Statutory Consultation 2022

Preliminary Environmental Information Report

Volume 3: Appendix 17.2

Generic Quantitative Risk Assessment

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1 INTRODUCTION

1.1 Scope

1.1.1 This Generic Quantitative Risk Assessment (GQRA) has been undertaken by Luton Rising (a trading name for London Luton Airport Limited) (the applicant) to support the application for a Development Consent Order (DCO) for the expansion of the airport, the Proposed Development. **Figure 1** shows the location and extent of the Proposed Development boundary. The proposed masterplan for the site is presented in **Figure 2a, 2b and 2c.**

1.1.2 The aim of this GQRA is to quantitatively assess the risks in relation to land contamination identified within the Preliminary Risk Assessment (PRA)[1]. It presents a quantitative assessment by comparing measured concentrations of contaminants of concern against criteria applicable for the protection of human health, ground gas and controlled waters. It is intended that this report is read in conjunction with the PRA.

Area covered by report

1.1.3 The extent of the Proposed Development boundary is shown in **Figure 1** and is described in detail in **Section 2**. The Proposed Development is split into three distinct geographical components:

a. Main Application Site;

b. Off-site Car Parks; and

c. Off-site Highways Interventions.

1.1.4 The findings of the PRA are discussed in detail in **Section 3**. Due to the size of the Proposed Development, it was subdivided in the PRA (Ref. 1) into smaller areas for ease of description. These areas are shown on **Figure 3.** The report identified that the main area of concern with respect to potential contamination is a former landfill site (Area A) and required additional quantitative risk assessment. In addition, the Airport Access Road was identified as requiring additional quantitative risk assessment. Ground investigation (GI) work had been undertaken previously but no assessment of the results had been undertaken to quantify the extent of contamination.

1.1.5 No other areas within the Main Application Site, or off-site areas were identified as requiring quantitative risk assessment at this stage. Background information on the other areas is presented in **Section 3.3**, including justification for not progressing to GQRA.

1.2 Objectives

1.2.1 The objectives of this report are to meet the requirements of a GQRA as defined by the Environment Agency's Land Contamination Risk Management (LCRM) Guidance (Ref. 2) and includes the following:

a. Detailed understanding of the spatial distribution of Contaminants of Concern (CoC) in soil and groundwater within the context of current

site conditions and during redevelopment (i.e. how the distribution alters with bulk earthworks etc.);

d. Quantitative assessment of Potential Contaminant Linkages (PCLs) for soil, groundwater and gas risks identified in the PRA;

e. Refinement and development of a robust Conceptual Site Model (CSM) that considers the source-pathway-receptor linkages both on current conditions and upon completion of redevelopment;

f. Identification of relevant PCLs which require further detailed assessment through Detailed Quantitative Risk Assessment (DQRA); and

g. Identification of Relevant Contaminant Linkages (RCLs) that require additional remedial work or management to allow the proposed development to proceed safely.

1.3 Information sources

1.3.1 Several ground investigations (GIs) and other reports were made available for the assessed areas. These were reviewed in detail in the PRA (Ref. 1). Data from these reports have been used to support this assessment.

1.4 Limitations

1.4.1 This report has been prepared by Luton Rising and takes into account their particular instructions and requirements. The benefit of this report may not be assigned to any third party. All reasonable skill, care and diligence have been exercised within the timescale available in accordance with the technical requirements of the brief. Notwithstanding the efforts made by the professional team by undertaking the assessment and preparing the report, it is possible that other ground contamination or conditions as yet undetected may exist and consequently reliance on the findings of this report must be limited accordingly.

2 SITE DETAILS

2.1 Site location

2.1.1 The application for development consent area is located approximately 3.5km east of Luton town centre and is located around the airport centred at National Grid Reference (NGR) 513400, 221800. **Figure 1** shows the location and extent of the Proposed Development.

2.2 The scheme

2.2.1 The Proposed Development covers approximately 360 hectares (ha). The majority of this land lies to the east of the existing airport, but also included are areas of the existing airport, runway and isolated land parcels north and west of the airport where road infrastructure will be upgraded.

2.2.2 The Proposed Development builds on the current operational airport with the construction of a new passenger terminal and additional aircraft stands on land owned by the Applicant located to the north east of the runway. The Proposed Development will be delivered in two phases with the second phase subdivided (Phase 1, Phase 2a and Phase 2b). The proposed masterplans for the site are presented in **Figures 2a, 2b and 2c**.

2.2.3 Further detail of the main elements, can be found in Chapter 4 Volume 2 of this PEIR.

2.3 Current land use

2.3.1 The current land uses of each of the areas of the Proposed Development are provided in **Table 2.1** and shown on **Figure 4**.

Table 2.1: Current land use of each area

Development Area (see Figure 4)	Current Land Use
Main Application Site	
Existing Airport Land	The airport infrastructure consists of a terminal building, runway with associated taxiways, stands, aprons and hangars, maintenance facilities and airport related offices. A fire station is located in the southwest of the terminal building. The associated business park to the north and west of the main airport area also accommodates a range of aircraft and airport production and maintenance businesses, including two fuel depots and a number of car parks for short-, mid- and long-term stay are provided for airport users.

Development Area (see Figure 4)	Current Land Use
LLAOL Contractor's Compound	The south eastern area of the airport (see Figure 4) is a compound used by the operator's contractors for storage of various items including construction arisings from Terminal 1 improvements. In the east is the fire training ground. South of this are two existing airport soakaways (known as the central soakaway). The north east balancing pond is on the boundary with Area B.
Airport Access Road	Parts of the eastern section is existing carriageways; President's Way and Percival Way, the remainder is on the landfill and is part of Wigmore Valley Park (WVP), see Area A below. Industrial /commercial land use are located on the central section of proposed carriageway and undeveloped land along the western section along Dairyborn escarpment.
A – Former Landfill	This area comprises public open space, known as WVP. Sports pitches are present in the north eastern part of the area. The long-stay car park for the airport is present in the west of the area. In the north west is another car park (operated by TUI). The central and southern part of the site are a County Wildlife Site (CWS).
B – Land West of Winch Hill	The northwest part of this area forms part of WVP. Within this area is a community centre, skateboard park, children's playground and allotment gardens as well as public open space, scrub and woodland areas. The rest of the area comprises agricultural land with a coppice and small woodland in the south, designated as ancient woodland. Winch Hill Fam and New Winch Hill Cottages are located on the eastern boundary on Winch Hill Lane.
C – Land East of Winch Hill	Predominately arable land with some hedgerows/trees. There is a woodland area present which bisects the site. Two agricultural barns are located at the western boundary and a large residential property 'Winch Hill House' to the south of these.
Off-site Areas	
D – Off-site Car Park North	Currently partly occupied by a trailer park for storage of heavy goods vehicle (HGV) trailers on the central and south eastern areas and an area of

Development Area (see Figure 4)	Current Land Use
	car parking and vehicle servicing area along the north western area.
E – Off-site Car Park South	The site is currently vacant, most recent land use was as a compound by the contractor working on the DART. Part of the site is covered with hardstanding and two unidentified structures are also present.
Off-site Highway Interventions	Asphalt carriage-way and landscaping to road verges, see PRA (Ref. 1) for further details.

2.4 Proposed Development

2.4.1 This section presents a description of the Proposed Development and the likely associated earthworks within each of the areas described in **Table 2.1** The extent of earthworks within each of the areas is important in assessing the potential risk to receptors from contamination. As discussed in **Section 1.1.4**, the scope of this report is a GQRA for Area A **(see Figure 3)** and the Airport Access Road. However, the assessment needs to consider works to be undertaken in the vicinity which could impact on Area A and cause potential preferential pathways for any potential contaminants. A description of the Proposed Development is described below in **Table 2.2** and shown in **Figure 2**. The Off-site Highway Intervention works and work on Existing Airport are excluded as detailed in **Section 1.1.5.**

Table 2.2: Summary of Proposed Development and associated earthworks

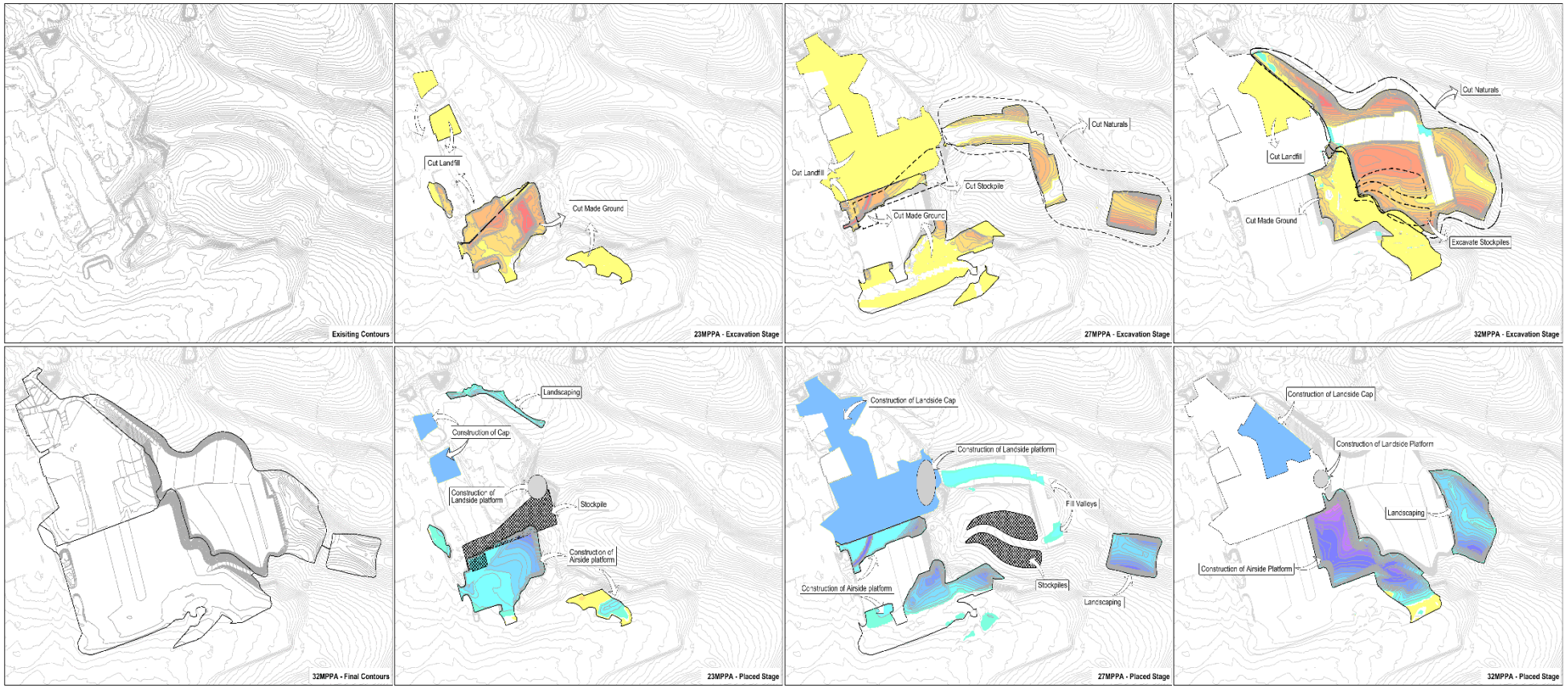
Development Area	Proposed Development	Likely earthworks work required
Existing Airport Land	Improvement of existing terminal area including refurbishment of Terminal 1, small extensions to the north east and south east corners, and a new apron and stands. A section of the DART extension will also be constructed by cut and cover. Relocation of the fire training ground with its associated facilities to the south of the runway. Relocation of staff car park..	Earthworks include piling for the new pier and excavation Made Ground and natural soils for the section of DART. Construction of decked car park. Relocation of the fire training ground is likely to require minor earthworks for construction of the soakaway and associated drainage.

Development Area	Proposed Development	Likely earthworks work required
LLAOL Contractor's Compound:	Apron, piers, stands taxiways and attenuation tank.	Earthworks will be required to create an aviation platform to tie-in with the existing airport levels. Made Ground and natural soils to be excavated and relocated to the southern end of Area A to surcharge the landfill prior to development. Construction of the airside platform with engineering fill (chalk) excavated from Area B for the platform.
Airport Access Road	Construction of new carriageway / duelling of existing carriageway to create a new link road from Airport Way to Terminal 2 (T2) with connections to a series of new access and on-airport distributor roads for T2 and New Century Park (NCP).	Earthworks will be required to create the new link road including excavation to create cuttings and construction of reinforced earth embankment. Excavation of landfill material where road is located in Area A.
A – Former Landfill	<u>North</u> Airport infrastructure car parking, new road infrastructure including eastern section of Airport Access Road. Energy centre, coach station and landscaping.	Excavation of landfill material for provision of Airport Access Road and minor access roads and to create development platform. Piling through the landfill into underlying chalk for foundations to proposed buildings and structures.
	<u>South</u> New terminal building. Piers, apron, stands and taxiways. Extension to the Luton DART to the new terminal and new station. Energy centre, coach station and car parking	Major earthworks to create a development platform to tie-in with the existing airport levels – excavation, processing and relocation of landfill material/ Made Ground to extend landside platform east of landfill and for DART tunnel and station. Import of engineering fill (chalk) from Area B for development platform. Surcharging of landfill with stockpiled soils excavated from LLAOL Contractor's compound.

Development Area	Proposed Development	Likely earthworks work required
		Piling through the landfill into underlying chalk for foundations.
B – Land West of Winch Hill Lane	Ancillary airport buildings. Aprons and stands. Fuel Storage Area Car parking. Water treatment plant Attenuation tank for drainage. WVP community centre, allotment gardens and parkland will be retained. Relocated public parkland.	Major excavation of clay and chalk to provide site-won engineering materials for the airside development platform. Piling into underlying chalk for foundations. Excavation of natural ground for provision of access road and car parks. Some landscaping works will be required for preparing the land to be suitable for re-provision of public parkland. Creation of temporary stockpiles of materials suitable for reuse in construction and landscaping.
C – Land East of Winch Hill Lane	Creation of infiltration basin (below ground infiltration tank).	Excavation for infiltration basin.
Off-site Areas		
D – Off-site Car Park North	Car park.	Potential for resurfacing, re-levelling.
E – Off-site Car Park South	Car park.	Construction of a multi-storey car park.
Off-site Highway Interventions	Junction improvements.	Low potential for minor level change, widening of carriageway, signalisation at junctions. Further details are provided in the PRA (Ref. 1).

2.4.2 A simplified schematic of the earthworks required to create the development platform for the expansion work is shown in **Drawing 1** below.

Drawing 1 Simplified sequencing of the earthworks required to create the development platform for the expansion work



3 SUMMARY OF PRELIMINARY RISK ASSESSMENT

3.1 Desk based information

3.1.1 The PRA involved a desk-based assessment of the potential risks associated with the proposed development using a range of data sources including historical information, regulatory databases and findings of previous GIs and quantitative risk assessments.

3.1.2 This section provides a summary description of the physical and environmental setting of the Proposed Development. This is based on the study area described in **Section 3.1** of the PRA (Ref. 1) and the identified information sources. The PRA should also be referred to for further details.

Table 3.1: Summary of Environmental Setting

Environmental Feature	Details
Geology (Figures 5 and 6)	**Made Ground** is confirmed or anticipated across the Main Application Site, but likely to be absent from agricultural land in Areas B and C and Off-site planting.
	Superficial deposits are present across all areas apart from Areas D and E and generally comprise Head deposits and Clay with Flints. Glaciofluvial deposits are present beneath the Off-site Highway Interventions at Hitchin.
	Bedrock is generally recorded as Lewes Nodular and Seaford Chalk Formation across the Proposed Development.
Mining/Ground workings	The Proposed Development is in an area which has been the location of chalk extraction. The whole of Area A is also identified as an unspecified workings/location of a refuse heap, a small unspecified quarry is recorded in the centre of Area B.
Natural cavities	Solution pipes are recorded as located 15m north of Area A and in Area D.
Radon	The site is not within a radon affected area (less than 1% above action level), and therefore radon protection measures are not required.
Hydrogeology (Figure 7)	Across the Proposed Development the Chalk groups (Lewes Nodular, Seaford, Holywell Nodular and New Pit Chalk formations) are all Principal Aquifers. A groundwater divide is located between the Existing Airport Land and Area A, see **Section 6** for further detail on regional hydrogeology and groundwater conditions beneath the site.

Environmental Feature	Details
Source Protection Zones (SPZ) (Figure 7)	The northern area of the Main Application Site lies within an SPZ3, Areas D and E are not within an SPZ, SPZ 1 is recorded in Off-site Highway Intervention areas at the M1 junction 10 and the A1081/London Road junction.
Abstraction (Figure 7)	**Groundwater**- two active abstraction licenses are recorded within 2km of the Main Application site redline boundary; 1.5km west for general use and 1.5km north east a potable water supply operated by Affinity Water Limited. Further private water supplies are located within 2km, see Figure 7. **Surface water –** no abstractions recorded.
Hydrology (Figure 7 and Figure 8)	No surface watercourses are located within the Main Application Site, the River Lea is approximately 300m south of Area E. Other surface water features on site include Thames Water Compound storage pond and Thames Valley Drain, numerous soakaways are located around the Existing Airport Land.
Environmental permits	Three are recorded to operations on the Main Application Site for operation of combustion plant, coating processes and dry cleaning.
Dangerous or hazardous sites	A lower tier Control of Major Accident Hazards (COMAH) site for storage of Jet A-1 fuel and a site licensed under the Manufacture and Storage of Explosive Regulations 2005 (MSER) are located on the Existing Airport Land.
Waste disposal	Area A was formerly the Eaton Green Landfill, in use between 1937 and early 1990s, wastes disposed included: inert, industrial, commercial, household and liquid sludge, see PRA(1) and previous studies(3) for further detail. An active, waste site is the Tidy Tip, a Local Authority recycling centre located in the north west of Area A, this is currently permitted.
Ecological designations	The following ecological designations are located on the Main Application Site; Area A – County Wildlife Site (CWS) is located within the south east area of WVP and Area B – a designated ancient and semi-natural woodland in the south east.
Unexploded Ordnance	Several UXO reports have been obtained and identify the Existing Airport, LLAOL Contractor's Compound and Area A as Very High risk for UXO. However, it should be noted that where works are to be undertaken within post war fill material/Made Ground

Environmental Feature	Details
	this is considered Low Risk. All other areas of the Proposed Development are Low to Moderate Risk.

3.2 Previous ground investigations

3.2.1 A number of previous GIs were reviewed and summarised in the PRA which covered the Existing Airport Land, LLAOL Contractor's Compound and Areas A and B, see **Figure 9** for GI locations. This identified Area A – Former Landfill as the significant potential source of contamination within the Proposed Development, and further risk assessment of soils, groundwater and gas results would be required to refine the CSM and PCLs. The report also identified that assessment was required of GI data for the Airport Access Road, further detail is provided in **Table 3.2.**

3.3 Preliminary conceptual site model

3.3.1 To complete the PRA a CSM was developed based on the desk study information which identified a number of PCLs as moderate to high risk. A summary of these PCLs is provided in **Table 3.2**. The PRA is provided as **Appendix 17-1** to the PEIR and should be consulted for a full list of PCLs and qualitative assessment of the risks.

3.3.2 As detailed in **Sections 1.1.4 and 1.1.5**, Area A and the Airport Access Road have been considered further in this GQRA report. A summary of justification of exclusion of other areas from further assessment is provided in **Table 3.2**, further details is provided in the PRA (Ref. 1) and the Preliminary Environmental Information Report (PEIR) (Ref. 4)

Table 3.2: Summary of PRA Conceptual Site Model

Area	Receptor	PCLs	Qualitative Assessment of Risk	Additional Assessment /GI required?
Existing Airport Land (including LLAOL contractors compound)	Human health	Inhalation of airborne contaminants by construction workers from Made Ground during construction works.	Moderate	**No** The PRA identified a potential moderate risk associated with excavation of materials during construction works to human health and a risk to foundations/infrastructure from aggressive ground conditions. A high risk from UXO was identified in the LLAOL Contractor's Compound. All of which can be addressed at detailed design stage with additional testing of materials and employment of mitigation and control measures during construction including adherence to a Construction Code of Practice (CoCP) produced as part of the earthworks strategy and measures to ensure that preferential pathways for gases from the landfill are not created
		Driving of piles impact UXO with risk to construction workers/public/airport operatives		
	Buildings/ Infrastructure	Direct contact with contaminated soils/groundwater	High	
Airport Access Road	Human health	Inhalation of airborne contaminants by construction workers from Made Ground during construction works.	Moderate	**Yes** The PRA noted that the areas of the proposed new road (off the landfill) has been subject to GI but no formal assessment of the data had been undertaken. It was therefore recommended that GQRA is undertaken to identify whether there is any contamination issues which require further consideration.
		Direct contact with Made Ground e.g. dermal, and/or		

Area	Receptor	PCLs	Qualitative Assessment of Risk	Additional Assessment /GI required?
		accidental ingestion by construction workers.		
	Buildings/ Infrastructure	Direct contact with contaminated soils/groundwater		
A- Former Landfill	Human health	Migration of ground gases from former landfill into future development.	Very High	**Yes** The PRA noted Area A was the main area of potential contamination within the Proposed Development. A significant part of the Proposed Development will be within this area including the new terminal building and as such a number of very high, high and moderate PCLs were noted. The PRA recommended the following further work: a. Further detailed assessment of GI results; b. Detailed assessment to understand the gassing conditions after work is undertaken to remodel the landfill. c. Complete full characterisation of the landfill waste based on the additional data gathered to inform the detailed assessment of the potential risks to groundwater and also to determine the potential for reuse of material. d. Develop a remedial strategy for the re-engineering of the former landfill material to
		Migration offsite to adjacent residential properties/ existing airport buildings of ground gases from former landfill through preferential pathways.	Moderate	
		Inhalation of airborne contaminants by adjacent site users (e.g. residential housing, existing Luton Airport) and construction workers from Made Ground/former landfill during construction works.	High	

Area	Receptor	PCLs	Qualitative Assessment of Risk	Additional Assessment /GI required?
	Controlled waters	Driving of contaminants downwards during any future piling and via preferential pathways to principal chalk aquifer and lateral migration of contaminants in groundwater to controlled water receptors	Moderate	ensure the potential risks associated with this material are assessed and controlled as to not present a risk to controlled waters or future users of the site. e. Detailed consideration of the gas management measures for the buildings/infrastructure on the Proposed Development. f. The geotechnical risks should be reassessed to finalise any ground improvement techniques/foundation design prior to construction and used to further develop the earthworks strategy for the Proposed Development.
	Buildings	Direct contact with aggressive ground conditions.	Moderate	
B-Land West of Winch Hill Lane	-	No moderate/high risk PCLs identified.	-	**No** This area has no history of contaminative use based on the available information assessed in the PRA. The PRA concluded no further GI or assessment is required for Area B. Construction works should include measures to ensure that preferential pathways for gases from the landfill are not created, as well as to detect, and if necessary treat, any existing features such as drains and other utilities that might be providing a preferential pathway for gases from the former landfill in Area A.

Area	Receptor	PCLs	Qualitative Assessment of Risk	Additional Assessment /GI required?
C- Land East of Winch Hill Lane	-	No moderate/high risk PCLs identified.	-	**No** The PRA concluded this area is greenfield and has only ever been agricultural land. On this basis it was considered unlikely there would be any potential sources of contamination and therefore, no GI for geoenvironmental purposes or further risk assessment is considered necessary
D – Off-site car Park North and	Human health	Inhalation of airborne contaminants by construction workers from Made Ground during construction works.	Moderate	**No** Further assessment or GI for geoenvironmental purposes is not required at this stage.– the PRA indicated there is no GI data available for this area and concluded that based on the desk study information there may be occasional areas of localised contamination from the historical uses and its current use as a trailer park, car parking and garage. The overall risk of contamination was considered low, detailed assessment of contamination risks is not required at this stage in the application for development consent. GI will be required to obtain geotechnical information for the Proposed Development in these areas, prior to construction, this would be coupled with a geoenvironmental investigation to verify existing mitigation requirements and design measures.
	Controlled waters	Leaching of contaminants in soil to principal chalk aquifer.	Moderate	
		Driving of contaminants downwards to principal chalk aquifer during any future piling.	Moderate	

Area	Receptor	PCLs	Qualitative Assessment of Risk	Additional Assessment /GI required?
E - Off-site Car Park South	Human health	Inhalation of airborne contaminants from Made Ground by construction workers from Made Ground during construction works.	Moderate	**No further assessment or GI required at present** – the PRA indicated there is no GI data available for this area and concluded that based on the desk study information no major contamination sources are likely to be present within these areas however an earthworks platform was constructed during the 1940s from material of unknown origin or quality, therefore, there is the potential for this material to be a source of contamination. The overall risk of contamination is considered to be low, detailed assessment of contamination risks is not required at this stage in the application for development consent. GI will be required to obtain geotechnical information for the Proposed Development in these areas, prior to construction, this would be coupled with a geoenvironmental investigation to verify existing mitigation requirements and design measures.
	Controlled waters	Leaching of contaminants in soil to principal chalk aquifer.	Moderate	
		Driving of contaminants downwards to principal chalk aquifer during any future piling.	Moderate	
Off-site Highway Interventions		No moderate/high risk PCLs identified.		**No** Further assessment or GI for geoenvironmental purposes is not required at present. The PRA identified that no GI has been completed within the areas of proposed Off-site Highway Interventions. However the overall risk was been determined as very low

Area	Receptor	PCLs	Qualitative Assessment of Risk	Additional Assessment /GI required?
				to low to future site users/infrastructure as the majority of the sites have shown little potential contaminative historical uses. In addition the proposed works in these areas will not involve substantial earthworks and as such there will be no interaction with soils and groundwater. Any risks associated with contamination can be mitigated during construction by use of site management procedures and personal protective equipment (PPE). Further GI will be undertaken prior to construction, post DCO consent, to inform detailed design and verify mitigation requirements.

3.4 Other risks identified in the PRA

Unexploded ordnance

3.4.1 Areas A and LLOAL Contractor's Compound have 'Very High' risk from UXOs and the risk will need to be addressed further when considering design and construction (Ref. 5). Areas D and E will require further UXO assessment since current assessments do not cover these areas. The Other areas of the Proposed Development; Existing Airport Land and Off-site Highway Interventions do not require further consideration as these areas have been previously developed and most the earthworks are anticipated to be relatively shallow.

Ecological risks

3.4.2 Invasive species have been identified in Area A, including Japanese Knotweed. Further ecological surveys may be required in other undeveloped areas of the Proposed Development as part of the detailed design stage to determine presence/absence of invasive species.

4 GROUND INVESTIGATION WORK

4.1 Ground investigation strategy

4.1.1 Preliminary GIs were undertaken in 2016/17 (Ref. 6)(Ref. 7)(Ref. 8)(Ref. 9) which provided coverage for the Airport Access Road, Area A and Area B. These GIs were reviewed in as part of the PRA(Ref. 1). Following the findings of the PRA a detailed GI was developed to focus on any data gaps and relevant PCLs within Area A, which was identified as the main area of potential contamination within the Proposed Development. The GI strategy (Ref. 10) was presented to the Environment Agency (EA) on 25th March 2018. The EA provided comments which indicated that the GI strategy was comprehensive and would obtain the expected level of data for a detailed assessment. The sampling strategy and minutes from the meeting are included in **Appendix A.**

4.1.2 The GI within Area A was intended to inform the following:

a. Confirm the depth of waste in the landfill;

h. Confirm the geological conditions, including presence/absence of Clay-with-Flints and potential presence of solution features;

i. Characterise in detail the type, age and condition of waste in the landfill;

j. Provide detailed information on leachate and gas conditions both on and off the former landfill;

k. Investigate potential contaminative sources within the landfill including asbestos;

l. Inform on landfill composition for preliminary geotechnical and earthworks design;

m. Confirm the groundwater elevations and condition beneath the landfill; and

n. Build on the existing network of groundwater monitoring boreholes across the DCO area.

4.1.3 The GI was designed to generate sufficient information for a detailed assessment. The detailed GI in conjunction with the previous preliminary GI has generated datapoints at approximately 50m intervals across the landfill for ground gas monitoring locations and 150m intervals for groundwater monitoring locations. This is consistent with recommended sampling grids for a main site investigation (Ref. 11).

4.1.4 The locations of previous ground investigation and the 2018 exploratory holes are shown in Figures 9 and 10. The investigation was split in two phases due to access restrictions. The first phase was conducted between 5 June to 2 July 2018 in Wigmore Valley Park and the County Wildlife Site. The second phase was conducted between 26 November to 14 December 2018 in the Long-Term Car Park (LTCP).

4.1.5 The scope of the GI for the Airport Access Road was developed by Pell Frischmann based on a Preliminary Sources Study Report (PSSR) (Ref. 12). The GI was completed over 2 phases.

4.2 Fieldwork

Overview

4.2.1 A summary of the 2018 GI locations on the former landfill and their purpose, including installation details is provided in **Table 4.1.** The GI locations are shown on **Figure 9.**

Table 4.1: Ground Investigation locations and purpose

Exploratory Hole Type	Purpose of hole	Number of holes	Maximum Depth (m)	Purpose of installation
Cable percussion	Boundary hole	3	20.9	Groundwater monitoring
Roto-sonic	Determine depth of Made Ground, characterise landfill waste and underlying natural ground	17	20.0	Gas monitoring
		4	18	Leachate monitoring
Dynamic sampling (Window sample)		24	5	Gas monitoring
		1	6	Leachate monitoring
	Boundary hole	15	5.45	Gas monitoring
Rotary cored/ Dynamic sampling with rotary follow-on/Sonic with rotary follow-on/ Cable percussion with rotary follow-on	Penetrate landfill and at least 10 m into chalk	5	36.2	Gas monitoring
	Deep boreholes for hydrogeological characterisation – within landfill boundary	5	64.5	Groundwater monitoring
	Deep boreholes for hydrogeological characterisation– not within landfill boundary	2	54	
	Determine depth of Made Ground, characterise landfill waste and underlying natural ground	8	14	Gas monitoring
Trial pits	General characterisation of ground/landfill waste	51	4.5	N/A

Exploratory Hole Type	Purpose of hole	Number of holes	Maximum Depth (m)	Purpose of installation
Cone Penetrometer Test	Penetrate chalk	5	26.2	N/A
	Penetration of landfill	62	22.8	
Dynamic probing		29	18.8	N/A
		15	6	

Note: These exploratory hole quantities are based on number of exploratory hole locations and do not include re-drills, locations that were cancelled, nor where CPT/DP refused early and was re-attempted.

Testing and monitoring

4.2.2 A number of in-situ tests and monitoring were undertaken during the fieldwork, full details are provided in the Factual GI report and summarised below:

During fieldwork

a. Forensic analysis of the waste- in an onsite laboratory (details below in **Section 4.4);**

b. Single Packer permeability testing- packer testing was undertaken at regular intervals in the Chalk strata in seven boreholes (GW201-GW206 inclusive and GW207a).

c. Environmental monitoring- as there was limited information regarding waste content, environmental monitoring was conducted during the course of the works. This included monitoring for vapour and gases at each work site, background dust and specialist monitoring for radionuclides.

d. UXO mitigation- prior to works commencing a detailed UXO survey was obtained, which identified parts of Area A which required specific measures during the works. These measures included the use of a magnetometer equipped CPT cone. Further details are provided in the Factual GI report**.**

e. Ecological surveys- species of ecological importance were identified by an ecologist including orchid, badgers, birds and reptiles. In addition, the invasive plan species Japanese Knotweed was identified in several areas of the site. Exploratory locations near site of ecological interest were surveyed by an ecologist and a watching brief undertaken by an ecologist during the works.

Post Fieldwork

a. Continuous gas monitoring- Five Ambisense GasFlux units were also installed to BH202, BH206, BH208, BH224, & BWS202. The GasFlux units were installed in August 2018 and decommissioned at the end of October/start of November 2018. Purge and recovery tests were also undertaken on the locations installed with the Ambisense GasFlux to inform gas emissions.

b. Spot gas measurements- gas readings for methane, carbon dioxide, oxygen, hydrogen sulphide and carbon monoxide were taken from standpipes using a GFM 435 gas analyser.

c. Bulk gas and vapour sampling- samples of soil gases and bulk landfill gases were taken from specific wells using either gas cannisters or vacuum bottles. Samples were analysed for semi-volatile and volatile compounds.

d. Data loggers for groundwater- data loggers were installed in three groundwater boreholes (GW201, GW204 and GW207A) which measured the groundwater level at five-minute intervals. The data was collected between October 2018 to March 2019.

e. Groundwater samples - were obtained using low flow micro-purging and sampling techniques to obtain samples representative of the chalk aquifer and minimise disturbance to the water column. The samples were tested for a range of analytes including metals, semi and volatile organic compounds (SVOCs and VOCs), total petroleum hydrocarbons (TPHs), polyaromatic hydrocarbons (PAHs), pesticides, phenols, polychlorinated biphenyls (PCBs) and volatile fatty acids (VFAs).

f. Leachate samples- five boreholes (LW201 – LW205) were installed for the monitoring of leachate collected from the landfill waste. These boreholes were installed with slotted pipe through the thickness of the landfill waste with a 1 m plain pipe installed at the base to act as a sump to collect leachate for monitoring and testing samples of leachate. Where present, leachate samples were obtained from wells. The samples were tested for a range of contaminants including metals, volatile organic compounds (VOCs), total petroleum hydrocarbons (TPHs), polyaromatic hydrocarbons (PAHs), pesticides, phenols, polychlorinated biphenyls (PCBs) and volatile fatty acids (VFAs).

g. Radionuclide survey- a survey was undertaken post GI works to follow up on locations where readings has been encountered above background levels. The further survey **(Appendix C**) indicated that the levels of radionuclides detected were consistent with expected natural background levels.

4.3 2018/2019 Groundwater/gas monitoring and sampling

4.3.1 In parallel to the GI a 12-month period of monthly groundwater and gas monitoring was undertaken across the network of boreholes established during the preliminary GIs. These locations were predominately within Area A and Area B, see **Figure 10**. The objectives of this monitoring were:

a. to establish whether there is any migration of contaminants from the landfill site and characterise their spatial extent;

b. determine the direction, rate and variability of groundwater flow and contaminant migration;

c. determine the baseline groundwater level, including variability and trends;

d. determine baseline groundwater quality including variability and trends; and

e. determine baseline gas concentrations including variability and trends.

f. monitoring, sampling and testing undertaken were as follows:

g. monthly monitoring for groundwater levels and samples taken at 17 groundwater quality monitoring points (GQMP);

h. monthly monitoring at 9 gas monitoring points and bulk gas/ SVOC and VOCs samples taken every two months;

i. monitoring of leachate thicknesses and sampling every 2 months at 4 leachate monitoring wells; and

j. obtaining samples of non-aqueous phase liquids (NAPLs), where present.

4.4 Logging of landfill material

4.4.1 Accurate and consistent description of landfill materials was a priority for this investigation, as it provides a vital indication of the material's likely geotechnical behaviour, the potential for contamination and/or the potential for ground gas generation. However, BS 5930:2015 (Ref. 13) and BS EN ISO 14688-1 (Ref. 14) provide only limited guidance on the description of anthropogenic "soils" and there is no published approach for logging former landfill materials.

4.4.2 An approach was developed for use during the GI to ensure consistent description of the landfill waste. This protocol for logging is included in **Appendix D.**

Forensic analysis of landfill material

4.4.3 Samples of landfill material were collected from either borehole core runs or trial pit bulk samples and transported to the field laboratory for forensic assessment **(see Photograph 1).**

4.4.4 The assessment comprised testing of the samples in accordance with Standard Test Method D5231-92 (Ref. 15). An initial assessment of the sample included weighing and sample description for the following parameters:

a. colour;

b. dampness: dry, damp and wet;

c. degradation: undegraded (materials fresh, predominantly in original state), moderately degraded (materials stained, some breakdown of material, some of original components unrecognisable) and highly degraded (materials falling apart, majority of original components unrecognisable);

d. odour: described in accordance with **Table 19** in BS5930-2015 (Ref. 13) (camphor, musk, floral, peppermint, ether, vinegar, putrid and hydrocarbon);

e. odour rating: 0 (no odour), 1 (faint odour), 2 (distinct but not strong), 3 (strong odour), 4 (strong odour discernible in ambient air) and 5 (very strong odour very discernible in ambient air);

f. sample texture; and

g. presence of leachate.

4.4.5 It should be noted that face protection was used at all times by the logging engineers and therefore, weaker odours may not have been detected.

Photograph 1 Sample forensic logging in the field laboratory

4.4.6 Following this initial assessment, a detailed assessment comprised splitting the sample into 14 categories of waste components as specified on the landfill waste logging sheet **(Appendix D)** and each individual component weighed. Observations regarding the presence of potential asbestos containing material were carried out at this stage. The individual waste components would then be recombined, the sample re-weighed and re-bagged for storage on site before final disposal at completion of the ground investigation works. **Appendix D** further details the methodology for forensic waste logging and waste category methodology. The 14 waste categories used to characterise the samples are described **in Table 4.2.**

Table 4.2 Waste component categories (adapted from ASTM D5231-92)(15)

Waste Component Categories	Description
Mixed paper	Office paper, computer paper, magazines, glossy paper, waxed paper and other paper not fitting the categories of newsprint and corrugated.
Newsprint	Newspaper.
Corrugated	Corrugated medium, corrugated boxes or cartons and brown (kraft) paper bags.

Waste Component Categories	Description
Plastic	All plastics – PET bottles, HDPE bottles, film, other plastics.
Garden waste	Branches, twigs, leaves, grass and other plant material.
Food waste	All food waste except bones.
Wood	Lumber, wood products, pallets and furniture.
Biological	Clinical waste, veterinary waste.
Other organics / combustibles	Textiles, rubber, leather and other primary burnable materials not included in above categories.
Construction waste	Concrete, brick, tiles, plaster, tarmac, bitumen.
Ferrous	Iron, steel, tin cans and bi-metal cans.
Aluminium	Aluminium, aluminium cans and aluminium foil.
Glass	All glass – clear, brown, green.
Other non-organics / non-combustibles	Rock, sand, dirt, ceramics, non-ferrous non-aluminium metals (copper, brass, etc), bones, ash, clinker, slag.

4.4.7 The results of the forensic waste analysis are presented in **Section 8.**

Quality Assurance of Forensic Assessment

4.4.8 Selected samples underwent additional forensic assessment in an external laboratory and the laboratory certificates are presented in **Appendix D.**

4.4.9 The methodology followed by the external laboratory split the waste components into seven groups listed below and some waste components were re-grouped in order to allow comparison of results **(see Table 4.3):**

a. Visible cloth and leather;
b. Other degradable material;
c. Visible wood, branches, trees, etc;
d. Visible vegetation, grass, food waste, etc;
e. Visible metal, glass, ceramics and other inert material;
f. Coarse inert particles, including gravel and concrete; and
g. Fine soil including gravel < 10mm.

Table 4.3 Splitting of waste components according to the methodology adopted by the external laboratory and the methodology used in the field.

Laboratory Waste Components	Field Waste Components
Sum of two fractions: Visible cloth and leather Other degradable material	Mixed Paper
	Newsprint
	Corrugated
	Plastic

Laboratory Waste Components	Field Waste Components
	Other organics / combustibles
Visible wood, branches, trees	Wood
Visible vegetation, grass, food waste, etc	Garden waste
	Food waste
	Biological
Visible metal, glass, ceramics, other inert material	Ferrous
	Aluminium
	Glass
Sum of two fractions: Coarse inert particles, including gravel and concrete Fine soil including gravel <10 mm	Construction waste
	Other inorganics

4.5 Ground investigation results

In-situ testing

4.5.1 Photoionisation Detector (PID) readings were undertaken during the GI, most locations within the landfill recorded a positive reading with a maximum recorded measurement of 346 ppm. Notable PID detections (above 50 ppm) are detailed in **Table 4.4 below and are shown on Figure 11.**

Table 4.4 PID readings above 50 ppm recorded during the GI

Exploratory location	Depth (mbgl)	PID Result (ppm)
BH209	10.8	94.3
BH225	0.7	50.9
BH226	6.0	73.6
BH231	3.8	271.1
	4.35	64.9
BH233	3.8	298.0
WS221	1.4	346.0
WS224	3.6	185.6
TP217	3.0	71.0
	4.5	52.3
TP220	2.5	67.0
	4.5	56.4
TP223	4.5	67.1
TP228	2.5	370.2
TP237	4.5	254.8
TP261	4.5	51.2
	5.5	78.9
TP262	5.7	51.2

Exploratory location	Depth (mbgl)	PID Result (ppm)
TP268A	4.5	55.8
	5.4	89.0
TP269	3.5	52.8
	4.5	98.2
	5.4	102.8
TP274	2.5	50.1
	3.5	72.9
	4.5	97.3
	5.4	101.3
TP275	4.5	50.2
	5.4	82.8

Visual and olfactory contamination

4.5.2 Visual and olfactory observations of contamination from the GI are detailed in **Table 4.5** and shown on **Figure 11**, with the exception of observations associated with degradation of organic waste in the landfill, which were widespread.

Table 4.5 Visual and Olfactory observations of contamination encountered during the GI

Hole ID	Observation Type	Depth (mbgl)	Description
BH208	Visual and olfactory	9.0 – 11.5	Oily sheen and hydrocarbon odour
BH223	Visual and olfactory	4.9 – 6.25	Oily sheen and faint putrid odour
BH224	Visual and olfactory	1.0 – 1.7	Oily sheen and strong musk and hydrocarbon odour
	Visual	6.0 – 7.0	Oily sheen
BH228	Visual and olfactory	7.0 – 7.5	Oily sheen and distinct putrid and hydrocarbon odour
BH231	Visual and olfactory	4.0 – 4.5	Oily sheen and strong ether and hydrocarbon odour
TP268	Visual	0.7	Barrel containing free product
WS224	Visual	4.0 - 5.0	Heavy black staining between 4.0 - 5.0mbgl and oily sheen on perched water surface

Groundwater Levels

4.5.3 Following the GI fieldwork, groundwater level monitoring was undertaken from July to October 2018 and from December 2018 to March 2019. Six rounds of monitoring were completed on each of the wells. Generally, the groundwater levels were recorded between 30 – 43m bgl beneath the

landfill. **Table 4.6** below records the monitoring results of groundwater levels within the Chalk.

Table 4.6 Groundwater levels within the Chalk during monitoring.

Hole ID	Date	Depth (m bgl)	Level (m AOD)
GW201	07/08/2018	30.64	111.01
	23/08/2018	30.6	111.05
	04/09/2018	31.12	110.53
	18/09/2018	31.70	109.96
	01/10/2018	31.86	109.79
	16/10/2018	32.13	109.52
	14/06/2019	29.22	112.43
GW202	07/08/2018	35.36	111.44
	23/08/2018	35.18	111.62
	04/09/2018	35.68	111.12
	18/09/2018	36.31	110.49
	01/10/2018	36.44	110.37
	16/10/2018	36.9	109.90
	14/06/2019	35.3	111.50
GW203	07/08/2018	41.8	110.65
	23/08/2018	41.76	110.70
	04/09/2018	42.26	110.19
	18/09/2018	42.84	109.61
	01/10/2018	42.03	110.42
	15/10/2018	42.4	110.05
	14/06/2019	41.07	111.38
GW204	07/08/2018	41.84	112.06
	23/08/2018	41.98	111.93
	04/09/2018	42.09	111.81
	18/09/2018	42.59	111.31
	01/10/2018	42.91	110.99
	18/10/2018	43.33	110.57
	14/06/2019	43.73	110.17
GW205	07/08/2018	41.91	111.29
	23/08/2018	42.09	111.12
	04/09/2018	42.25	110.95
	18/09/2018	42.76	110.45
	01/10/2018	43.1	110.10
	16/10/2018	43.21	109.99
	14/06/2019	44.78	108.42
GW206	14/01/2019	42.25	113.41
	21/01/2019	42.92	112.74
	07/02/2019	43.71	111.94
	18/02/2019	43.11	112.55
	05/03/2019	43.6	112.05

Hole ID	Date	Depth (m bgl)	Level (m AOD)
	21/03/2019	43.18	112.47
	14/06/2019	43.46	112.19
GW207A	15/01/2019	38.28	116.57
	05/02/2019	39.99	114.86
	07/03/2019	39.81	115.04
	21/03/2019	39.19	115.66
	14/06/2019	40.97	113.88

Leachate

4.5.4 Nine leachate monitoring wells are located within the landfill as shown on **Figure 10.** During 2018 leachate levels were monitored to assess the thickness of leachate that was being generated by the decomposition of landfill waste. The monitoring results are summarised in **Table 4.7** below.

4.5.5 Leachate is recorded to have accumulated in all installations with the exception of LF-BH07 which was dry on all monitoring visits. LW201, LW204, LF-BH06 and LF-BH12A have consistently recorded the greatest thickness of leachate (>0.9 m on average).

Table 4.7 Summary of leachate measurements

Location	Leachate thickness (m)		
	Minimum	Maximum	Mean
LW201	1.085	2.04	1.63
LW202	0	1.91	0.66
LW203	0	0.37	0.13
LW204	0.58	1.13	0.91
LW205	0.05	1.28	0.83
LF-BH06	0.9	4.22[1]	1.53
LF-BH07	0	0	0
LF-BH09	0	0.17	0.04
LF-BH12A	0.33	2.11	1.37

Note:

[1] The maximum leachate thickness recorded in LF-BH06 in December 2018 appears to be an erroneous result, on all other occasions the leachate thickness in this well ranged between 0.9m and 2m

Gas monitoring

4.5.6 Gas spot monitoring was undertaken between August to October 2018 and January to March 2019. Monitoring periods consisted of six rounds, every fortnight. In addition to the dedicated gas installations, boreholes with groundwater standpipes were included as part of the monitoring.

4.5.7 The readings were undertaken during periods of both high and low pressure (>/<1000mb). A summary of the range of gas concentrations and flow rates detected is summarised below in **Table 4.8**

Table 4.8 Summary of the range of gas concentrations and flow rates from the post fieldwork monitoring

Property	Result	Location of Max Result
Within Landfill Boundary		
Peak flow rates (l/hr)	<0.1 – 0.9	BH217
Peak Methane (% v/v)	0.1 – 80.6	WS224
Peak Carbon Dioxide (%v/v)	0.1 – 60	BH223
Minimum Oxygen (% v/v)	0 – 21.3	BWS217
Peak Hydrogen sulphide (ppm)	0 – 7	WS212
Outside Landfill Boundary		
Peak flow rates (l/hr)	<0.1 - 0.2	BBH204
Peak Methane (% v/v)	0 - 54.4	BWS211
Peak Carbon Dioxide (%v/v)	0.1 - 29.7	BWS211
Minimum Oxygen (% v/v)	0.1 - 21.5	BWS218
Peak Hydrogen sulphide (ppm)	0 - 1	BWS203
Notes: Only positive flows rates are reported in this table. Negative flow rates were encountered and are discussed further in **Section 12.**		

Soil vapours

4.5.8 Soil vapour samples were obtained from a total of 28 boreholes LF-BH12A, LF-BH10G, LF-BH08G, LF-BH05G, LF-BH03G, LF-BH04G, LF-BH09, LF-BH07, LF-BH06 and LF-BH02 (long-term monitoring wells), BH201, BH203, BH204, BH207, BH213, BH219, BH220, BH226, BWS203, BWS213, BWS2016, WS206 (WVP) and BH216, BH222, BH223, BH232, BWS217, WS224 (LTCP), which were tested in the laboratory for the following:

a. bulk gases i.e. methane, carbon dioxide, oxygen etc;
b. speciated volatile organic compounds (VOCs);
c. odorant gas analysis (hydrogen sulphide);
d. C1-C7 hydrocarbons (alkanes & alkene);

e. total petroleum hydrocarbon (TPH) in gas samples (aliphatic and aromatic C4 to C12); and

f. dioxins and furans.

4.5.9 The limit of detection varies for each determinand and between borehole samples due to dilutions needed to be conducted on the samples**. Table 4.9** below summarises the results where values above limit of detection (LOD) were recorded.

Table 4.9 Summary of soil vapour sample results

Contaminant	CAS No.	Min.	Max.	No. above LOD/ (total number of tests)
		µg/m³		
1,1,1-Trichloroethane	71-55-6	46.9	490	3
1,1,2,2-Tetrachloroethane	79-34-5	15.7	1300	6
1,1,2-Trichloroethane	79-00-5	46.5	1220	7
1,1-Dichloroethane	75-34-3	27.5	300	4
1,1-Dichloroethene+	75-35-4	27	68.8	3 (93)
1,2,3-Trimethylbenzene+	526-73-8	10.2	1020	10 (83)
1,2,4-Trichlorobenzene	120-82-1	10.5	5920	16
1,2,4-Trimethylbenzene+	95-63-6	6.91	48.7	9 (93)
1,2-Dibromoethane	106-93-4	44.8	44.8	1
1,2-Dichlorobenzene	95-50-1	9.94	45	2
1,2-Dichloroethane	107-06-2	42.7	42.7	1
1,2-Dichloropropane	78-87-5	44.6	44.6	1
1,2-Dichlorotetrafluoroethane	76-14-2	16	10200	19
1,3,5-Trimethylbenzene+	108-67-8	9.3	2200	18 (93)
1,3-Butadiene	106-99-0	100	100	1
1,4-Dichlorobenzene	106-46-7	26.5	588	5
1-Propanol	71-23-8	3.52	3.52	1
2-Butanone (MEK)	78-93-3	4.26	171	6
2-Pentanone	107-87-9	1010	1010	1
3-Pentanone	96-22-0	811	811	1
4-Methyl-2-pentanone	108-10-1	48.2	434	4
Acetone+	67-64-1 & 123-38-6	15.4	4000	16
Acetonitrile	75-05-8	5.5	4840	12
Acrolein	107-02-8	9.96	371	2
Benzene*	71-43-2	5.69	1040	38 (88)
Bromomethane	74-83-9	17.6	17.6	1
Carbon Disulphide	75-15-0	6.43	783	18

Contaminant	CAS No.	Min.	Max.	No. above LOD/ (total number of tests)
		µg/m³		
Carbon Tetrachloride	56-23-5	64.3	64.3	1
Chloroethane	108-90-7	31.4	1220	14
Chlorobenzene	75-00-3	34.6	34.6	1
Chloroform	67-66-3	23	134.3	3
Chloromethane	74-87-3	121	121	1
cis-1,2-Dichloroethene	156-59-2	17	571	12
cis-1,3-Dichloropropene	10061-01-5	30.4	30.4	1
Cyclohexane	110-82-7	8.2	2810	32
Dichlorodifluoromethane	75-71-8	11.5	2580	25
Difluorochloromethane	75-45-6	5.11	20100	32
Ethylbenzene*	100-41-4	5.84	5330	31 (90)
Hexachlorobutadiene+	87-68-3	15.5	107	5 (83)
Hexanal	66-25-1	5.65	116	5
Hexane	110-54-3	9.9	6320	35
Hydrogen Sulphide	7783-06-4	0	13500	79 (600)^
Isobutene	115-11-7	3.65	328000	43
m/p-Xylene*	108-38-3 & 106-42-3	8.51	101000	54 (90)
Methylacrolein	78-85-3	10.9	55	3
Methylene Chloride	75-09-2	7.11	703	7
Naphthalene		9.54	15	3 (90)
o-Xylene*	95-47-6	6.02	2070	25 (90)
Pentanal	110-62-3	8.24	290	2
Pentane	109-66-0	5.67	13600	36
Styrene	100-42-5	7.7	28.4	3
Tetrachloroethene +	127-18-4	8.9	273	20 (90)
Toluene*	108-88-3	6.47	2060	34 (93)
Trans-1,2-Dichloroethene	156-60-5	7.5	18.6	2
trans-1,3-Dichloropropene	1006-02-6	26.8	26.8	1
Trichloroethene	79-01-6	9.1	1080	5
Trichlorofluoromethane	75-69-4	11.8	1420	16 (93)
Trichlorotrifluoroethane	26523-64-8	90.2	90.2	1
Vinyl Acetate	108-05-4	11.5	1180	5
Vinyl Chloride	75-01-4	11.5	1730	13
p-Isopropyltoluene⁺	99-87-6	28	73	2 (41)
Dimethyl sulphide⁺	75-18-3	140	140	1 (31)
Ethyl Mercaptan⁺	75-08-1	91	91	1 (31)

Contaminant	CAS No.	Min.	Max.	No. above LOD/ (total number of tests)
		µg/m³		
Isopropyl benzene+	98-82-8	33	33	1 (41)
Sec-Butylbenzene+	135-98-8	18	18	1 (41)
Acetaldeyhyde+	75-07-0	20	50	6 (35)
Formaldehyde+	50-00-0	30	50	3 (35)
Arsenic+	7440-38-2	200	200	1 (35)
Mercury+	7439-97-6	1.3	1.3	1 (35)

Notes:
* Dataset includes additional results from TPH in Gas Suite
+ alternative suite A, 4 sets of results for long-term monitoring wells only, concentration calculated by laboratory from ng
^ includes results from spot monitoring and odorant gas suite

5 GROUND CONDITIONS

5.1 General

5.1.1 A 3-dimensional (3D) ground model of the area to assist the understanding of the Main Application Site was developed (Ref. 3). The 3D ground model has been developed by collating information from a range of data sources, including:

a. photogrammetry data at 5 m resolution;
b. topographical survey of the site;
c. historical aerial photographs;
d. historical maps;
e. GIs undertaken at the site; and
f. forensic logging of waste material within the landfill.

5.1.2 This model has been updated to include all additional ground investigation data. The most recent version includes data from the preliminary 2016/17 investigations as well as data from the 2019 ground investigation. Cross sections showing the geology and proposed development are shown on **Figure 12 and 13.**

5.1.3 The model has been used to inform the ground conditions presented in the following sections and the risk assessments presented **in Section 10**.

5.2 Stratigraphic sequence

5.2.1 The strata encountered during the ground investigation are detailed in **Table 5.1.** The ground investigation data and Arup's model broadly confirm the published geology and previously encountered conditions from historical GIs identified in the PRA.

Table 5.1 General geology of the site

Material Name	Typical Description	Typical Thickness (m)
Topsoil	Generally stiff gravelly sandy clay. The gravel comprises flint, chalk, brick, concrete and clinker.	Average of 0.3m in 'undeveloped' areas of the Development Area.
Made Ground (General)	Typically, arisings from past airport projects, but also includes the construction of car parks etc.	Generally <1.0m but up to 6 m to the immediate south of the landfill and up to 20m beneath the proposed Airport Access Road along the Dairyborn Escarpment.
Made Ground (Landfill)	Mixed domestic, commercial and construction/demolition waste	Up to 20m

Material Name	Typical Description	Typical Thickness (m)
	deposited between the 1930s and 1980s.	
Dry Valley Deposits	Silty clay and gravel.	2m within the valley bottom
Head Deposits	Clay associated with the weathering of material in the valley sides and floor.	2m (but up to 5m in places) in the valleys
Clay-with-Flints	Highly plastic clay containing flint gravel	3m (but up to 7m in places) on the plateau occupied by the existing airport. Absent in the valley areas
Chalk	Chalk – weathered near the surface.	Full thickness not proven

5.2.2 Each stratum within the ground model and in the wider proposed development are described in more detail below:

Made Ground

5.2.3 Made Ground is generally >1m in thickness across most of the proposed development, with the exception of the following areas where significant thicknesses were encountered (**see Figure 3** for location of Areas):

a. **Area A**- the former landfill covers most of Area A, with waste up to of 20+ m above the base of the valley. The nature of the landfill material is further discussed in detail in **Section 8.**

b. **Existing Airport Land (LLAOL Contractor Compound)**- Made Ground was observed to be up to 10m in thickness within the area to the south of the landfill. This material is understood to be the arisings from previous development across the airport and is material that is being temporarily stored in this area (Ref. 16). It is understood that this fill material was imported as part of the development of the runway and levelling of the area.

c. **Airport Access Road** - significant depth of Made Ground encountered at Airport Way up to 20.0m associated with the Dairyborn escarpment. This lies directly onto the underlying chalk bedrock in places.

d. **Areas D and E**- historical mapping suggests a significant amount of fill has been imported onto Area D to form an earthwork platform; the platform was built out from the existing slope. The volume of the material deposited is estimated to be 62,000 m^3, with a maximum fill depth of 15 m. Aerial photography indicates that this fill is likely to date from the mid-1950s and is predominately chalky in nature. The origin of this material is unknown, however, the aerial photography suggests excavations were occurring in a number of areas in the vicinity of the site at the time of its deposition. In Area E, historical mapping, aerial photography and current topography suggests that

up to 10 m of fill has been placed in parts of the site. The age and origin of the material is unknown but aerial photography and historical mapping suggest it may have been placed during the 1940s.

Landfill

5.2.4 A detailed review of the records pertaining to the landfill was undertaken previously (Ref. 1) which indicated that the landfill is not as extensive as the Environment Agency boundary. The GI observed that the north-eastern extent of the agency boundary comprises of natural strata **(see Figure 3).**

5.2.5 The landfill has filled the head of the dry chalk valley and the waste thickness reflect this, with thicker areas above the base of the valley (20+ m) and the thinner deposits towards the sides (4m – 5m).

5.2.6 The history of filling was previously estimated as part of assessment work on the landfill. The estimated filling history has been updated with the recent GI data combined with the following information:

a. Photogrammetry observations of waste deposited at different periods;
b. Dates recorded on waste material during the recent GI works;
c. Observations of the nature of material from the recent GI works; and
d. Structure of the landfill developed in the ground model.

5.2.7 The estimated order and extent of filling is shown in **Figure 14** and the estimated volume placed during each era of filling is provided in **Table 5.2.**

5.2.8 Detailed discussion of the characteristics of the waste and the variation between different periods of filling is presented in **Section 8.**

Table 5.2 Volumes deposited during waste filling periods

Period of filling	Estimated volume in landfill (m^3)	Typical components of this era of filling
Pre 1947	190,000	Ash/fines, wood, metal, fabric, rubber, ceramic, brick and glass
1947 – 1955	350,000	Ash/fines, wood, metal, fabric, rubber, ceramic, brick and glass
1955 – 1960	580,000	Ash/fines, wood, metal, fabric, rubber, ceramic, brick and glass
1960-1970	520,000	Ash/fines, wood, metal, fabric, rubber, ceramic, brick and glass Later 60s waste include plastic components
1970-1980	2,500,000	Brick, tile, concrete, polystyrene, paper, plastic, cans and food waste, cardboard, metal, rubber and glass.

Period of filling	Estimated volume in landfill (m^3)	Typical components of this era of filling
Post 1980	150,000	Non-landfill material. Fill material placed post closure of landfill on LTCP area to create a suitable surface for use as a car park.
Total	**4,400,000**	

5.2.9 Further detailed description of the waste types encountered within the landfill is provided in **Section 8**.

5.3 Superficial deposits

5.3.1 The distinction between of Clay-with-Flints, Head and Dry Valley Deposits has been made both by examining ground investigation logs and an understanding of where each of these materials should be present. Clay-with-Flints would have covered the entire development area, however the incision of the valley into the chalk would have eroded these deposits completely from the valley floor. Weathering of the remaining Clay-with-Flints on the valley sides resulted in Head deposits with some of this material eroding and deposited at the valley floor, forming Dry Valley Deposits. Further description of the superficial deposits is provided below.

Dry Valley Deposits

5.3.2 These deposits have been mapped by the BGS and are anticipated to be present in the valley floor throughout the proposed development.

5.3.3 These deposits are formed by a combination of processes including the weathering of the chalk bedrock under periglacial conditions, input of material supplied from the valley sides by solifluction and a degree of fluvial reworking by surface water.

5.3.4 The Dry Valley Deposits are typically described as firm to stiff (occasionally soft) light brown, dark brown, orangish brown, reddish brown or greyish brown slightly sandy, slightly gravelly clay. Rarely it is present as: sandy, slightly gravelly, clayey silt; very clayey, very sandy gravel; or slightly silty, slightly gravelly sand. The gravel is recorded as flint and occasionally chalk and subangular to subrounded cobbles of flint are frequently present

5.3.5 The 2016 ground investigations(Ref. 6)(Ref. 7)(Ref. 8)(Ref. 9) confirmed their presence within the valley bottom in Area B, between 0.7m and 2.1m thick.

Head

5.3.6 Head is present on the valley sides of the two dry valleys present within the development area.

5.3.7 The Head is typically described as firm to very stiff (occasionally soft) light brown, dark brown, orangish brown, reddish brown or greyish brown

slightly sandy, slightly gravelly clay. Rarely it is present as slightly sandy, slightly gravelly, clayey silt. The gravel is recorded as flint and chalk (occasionally chert). Subangular to subrounded cobbles of flint are frequently present.

Clay-with-flints

5.3.8 This formation overlies the chalk group and is a residual soil formed by the solution weathering of the chalk. The Clay-with-Flint Formation comprises stiff reddish brown slightly sandy gravelly clay with a medium cobble content. The gravel is angular to rounded and comprises flint gravel and occasional chalk.

5.3.9 The Clay-with-Flints varies in thickness across the development area. It is mainly present on the plateau (typically 3-5 m in thickness) and valley sides however is absent from the base of the valley. Previous GI has indicated it is typically 3.7 m thick across the Proposed Development area but has been recorded up to 15 m thick. This reflects the irregular dissolution contact between the Clay-with-Flints and the Chalk group. The GI completed along the proposed Airport Access Road alignment recorded Clay-with-Flints beneath the Made Ground from 0.5m bgl up to 7.45m bgl beneath the industrial areas on the Existing Airport Land but is generally absent at the western extent along the Dairyborn Escarpment where there is a greater depth of Made Ground.

5.4 Chalk

5.4.1 The bedrock beneath the proposed development consists of Cretaceous Chalk (undifferentiated Lewes Nodular and Seaford Chalk formations). These are classified as being part of the “Upper Chalk” and are composed of firm and hard chalk strata with common nodular and tabular flints and hardgrounds.

5.4.2 These in turn are underlain by the Holywell Nodular and New Pit Chalk formations, part of the “Middle Chalk” which outcrop within the dry valleys. These are generally similar in composition to the Upper Chalk formations but are generally flintless.

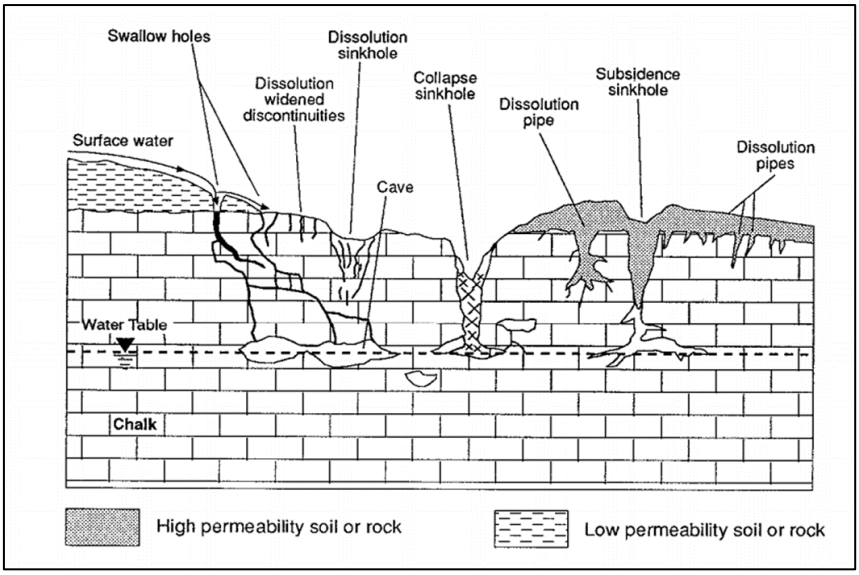
5.4.3 The Chalk is unusual compared to many other limestones, due to its almost entirely biogenic origin. In general, the Chalk is extremely fine grained (<10µm), soft and micritic. Coccoliths and other microfossils such as foraminifera and calcispheres make up a notable quantity of the matrix.

5.4.4 The condition of the chalk encountered during the GI beneath the Proposed Development area is variable. GI undertaken in Areas A, B and the Airport Access Road indicated that the upper levels of the chalk was heavily weathered and it was generally recovered as structureless sandy very silty gravel or sandy gravelly silt (Grade Dm). The depth of weathering is variable with different grades of chalk present up to Grade A at depth. This was generally present as very weak low or medium density white chalk.

5.5 Solution features

5.5.1 Solution features are formed by the dissolution of the Chalk as a result of chemical weathering. These features are present at the interface between the Clay-with-Flints formation and the Chalk. As such, these are predominately present where Clay-with-Flints formation is present such as the plateau and valley side but less frequent in the base of the valley. The types of solution features which can be encountered are shown in **Drawing** 2.

Drawing 2 Schematic illustration of common dissolution types (based on Applied Geology, 1993(Ref. 17) as cited in CIRIA C574 (Ref. 18).



5.5.2 It is difficult to detect solution features via ground investigation, as they are discrete features. Site investigation and observations from local construction projects suggest that fretting is a ubiquitous feature of the top of the chalk and that pipes features, like those exposed by the Direct Air to Rail Transit (DART) excavations, are frequent as shown in **Photograph 2.**

Photograph 2 Left: Irregular fretting of the top of the chalk in an excavation for DART Right: Possible solution features noted during DART excavation works

5.5.3 It is also likely that sinkholes of the type illustrated in **Drawing 2** are present in the area. The GI undertaken did not find any evidence of sinkholes but solution pipes and infilled fissures were found to be present beneath Area A (former landfill) and Area B. These features are important when considering potential pathways for contaminants to the groundwater, however they are difficult to detect through ground investigation and predict in terms of both location and frequency.

6 HYDROGEOLOGICAL CONDITIONS

6.1.1 A detailed review of the hydrogeological conditions beneath the site, has been undertaken (areas within the Mimram catchment) and is provided in the following report:

- Luton Rising (2021) Hydrogeological Characterisation. LLADCO-3B-ARP-00-00-RP-CG-0001 (Ref. 19)

6.1.2 The following sections are a summary of the information provided within the report.

6.2 Regional

6.2.1 The main water bearing strata in the region is the Chalk which is a dual-porosity aquifer where the matrix provides the storage and the fractures provide permeable pathways (Ref. 20). Most of the flow in the Chalk in the area is likely to occur in a few dilated fractures, typically occurring at or within a few tens of metres of the water table through dissolution enhanced features. However, it is often influenced by the presence of solution features in the chalk which can lead to interlinkages between groundwater catchments (Ref. 21).

6.2.2 The regional groundwater flow within the Chalk is predominantly towards the southeast in the dip direction of the Chalk. The main area of groundwater recharge is the Chiltern Hills along the northern boundary of the area where the escarpment forms a major groundwater divide (Ref. 20). The regional flow system is likely to be locally influenced by abstraction of groundwater from the aquifer, the nearest potable water supply borehole is located at King's Walden approximately 1.5km northeast of the Main Application Site (2.8 km northeast of the landfill boundary).

6.2.3 There are two main water body catchments which cover the Luton area; the Lee and the Mimram catchments. The former landfill (Area A) lies in the Mimram catchment and there is a groundwater divide to the west, where Luton Airport lies in the Lee catchment. Groundwater flow direction in the Lee catchment is influenced by local abstraction and flows in a westerly direction. Abstractions are identified on **Figure 7,** in the Lee Catchment these are generally for industrial use and clustered around the former Vauxhall Motor Works, two private water supplies are located south of the River Lee, a second potable supply operated by Affinity Water and a supply for commercial and domestic purposes. The groundwater flow in the Mimram catchment is affected by the potable abstraction near Kings Walden (Ref. 20) and a second potable water abstraction (Nine Wells) at Whitwell, east of the former landfill. Both may create a more easterly flow direction than the south easterly regional flow.

6.2.4 Two private water supplies are located east of the site. The abstractions are located approximately 1.5km northeast and 1.2km south east of the

Main Application Site (2.7km northeast and 2.6km south east of the landfill boundary) within the Mimram catchment, see **Figure 7.**

6.3 Groundwater levels and flow

Observed levels

6.3.1 Groundwater levels in the chalk within the Mimram catchment (underlying Area A-Former Landfill) have been measured in the boreholes installed during the most recent GIs. Recorded groundwater elevations have been contoured and are shown in Figure 15. The groundwater elevations beneath the landfill are typically 112m AOD (40m bgl) and range between 17.5m to 36m below the base of the landfill.

6.3.2 The highest groundwater level recorded beneath the site was in June 2018 at 124.46m AOD at LF-BH05 located to the southwest of the landfill. This is consistently higher than the levels recorded beneath the remainder of the landfill. It is possible that the groundwater levels in this borehole are being influenced by the presence of a nearby soakaway in the airport (the Central Soakaway) which is artificially increasing water levels in this borehole.

6.3.3 There are several soakaways present on-site within the existing airport, see **Figure 8** for locations. These are expected to cause local increases in groundwater levels, however are unlikely to directly influence the location of the main groundwater divide in the area.

6.3.4 The groundwater surface is lower in the south east of the main application area beneath the base of the valley floor, at approximately 106m AOD (14m below the level of the valley floor).

6.3.5 Groundwater levels within the Lee Catchment have been recorded as part of post fieldwork monitoring for the DART (Ref. 22). The monitoring data indicates groundwater levels to be around 110m AOD beneath the Existing Airport Land, (42m bgl) and dropping to 99m AOD beneath the Parkway Station and western end of Airport Way, approximately 39m bgl and 12m bgl respectively. The groundwater is much shallower at the Parkway Station due to the fall in ground levels to the southwest of the airport.

6.3.6 Based on these groundwater levels, the groundwater flow direction close to the former landfill is generally east-northeast, with a flow divide located to the south and west of the landfill site beyond which groundwater flows in a southwesterly direction beneath the main airport toward the River Lee.

6.3.7 The observed levels and flow direction correlate with the assumption that the flow system near the site is locally modified by abstraction of groundwater from the Chalk aquifer. The nearest potable water supply borehole is located approximately 2.8km northeast from the landfill at Kings Walden. A second potable water abstraction (Nine Wells) is located at Whitwell, approximately 4.5km east of the Main Application Site and

5.3km east of the former landfill. Both appear to be influencing a more easterly flow direction than the anticipated southeasterly regional flow.

Seasonal variability

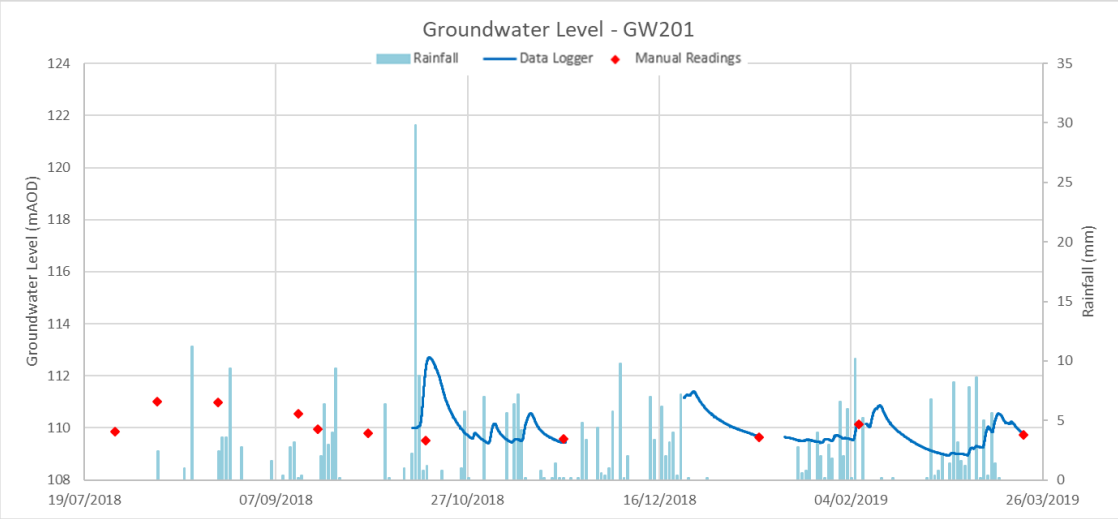
6.3.8 The groundwater levels recorded to date indicate that the valley that the former landfill lies within is dry, with no seasonal emergences. The numerous site walkovers undertaken in the area support this and no indications of any emergence of groundwater in the base of the valley have been observed e.g. marshy areas. The nearest point at which groundwater is known to emerge is at the River Mimram, northwest of Whitwell, approximately 4km to the southeast of the site.

6.3.9 Because there are no surface water features in the vicinity of the site the recharge to the underlying Chalk aquifer is almost entirely from infiltration of precipitation, either naturally through soils in the undeveloped areas, or more focused through several on-site engineered infiltration basins.

6.3.10 The anticipated low permeability of the Clay-with-Flints deposit, as well as hardstanding areas associated with the existing airport, may limit rainfall infiltration and therefore recharge to the underlying Chalk aquifer. Recharge is likely to occur to the Chalk aquifer where there is an absence of these low permeability deposits, such as where the Chalk is exposed in the dry valleys.

6.3.11 Observed groundwater levels show a seasonal response to rainfall. Groundwater levels recorded by data loggers installed on the Main Application site during 2018 show a relatively rapid response in groundwater levels following a high rainfall event as shown in **Drawing 3.**

Drawing 3 Groundwater levels recorded in GW201 compared to rainfall



6.3.12 The groundwater levels recorded below the landfill from January 2018 to December 2018 show a maximum seasonal variation of 10.94m, this was observed in borehole LF-BH04 between January and June 2018. This is due to a high groundwater level reading taken in June 2018 that is dissimilar to all other readings at this location and is considered to be

anomalous. The next highest seasonal variation observed is 7.6m within LF-BH05.

6.3.13 Larger seasonal and year-to-year variations in groundwater levels were observed beneath the landfill area than within the dry valley (part of the Century Park development ground investigation). Within the dry valley, most of the boreholes display a seasonal variation, between January and December 2018, of less than 5m. The largest seasonal groundwater variation recorded was 5.22m in CP-BH24. Though, due to the lower topographical elevation within the dry valley, groundwater levels are closer to surface (15m bgl to 35m bgl). This variation of fluctuation related to topography is common in the Chalk aquifer.

6.3.14 The variability in groundwater levels recorded during 2018 supports outputs from the Environment Agency's Hertfordshire Chalk regional groundwater model, suggesting that the likely seasonal range in groundwater levels is approximately 5m to 10m in the vicinity of the landfill, and up to a maximum 5 m variation within the dry valleys. The minimum and maximum groundwater levels recorded in May 2017 and June 2018 are contoured in **Figure 15.**

6.3.15 The majority of the groundwater monitoring completed within the Main Application Site is of limited duration and provides a short-term, non-continuous dataset of the groundwater levels and as such is unlikely to recorded extreme minimum and maximum groundwater events. A detailed assessment of potential maximum groundwater levels which might be expected to occur on site has been undertaken and is reported separately (19) The report concluded that absolute maximum groundwater levels are expected to range from 134m AOD in the centre of the groundwater divide, west of the landfill, to 116m AOD in the east of the proposed development area.

6.4 Aquifer properties

6.4.1 The Chalk is confined in some areas of the site by low permeability deposits such as the Clay-with-Flints and Head Deposits. Rainfall infiltration and recharge into the underlying Chalk aquifer may be limited in these areas (Ref. 21). As a result, the background chemistry between areas of confined and unconfined Chalk varies. In addition, areas where the Chalk aquifer is unconfined are more susceptible to pollution, in particular diffuse pollution from agricultural or domestic sources (Ref. 21).

6.4.2 The ability of groundwater to flow (transmissivity) within chalk is complex and is heavily influenced by the presence and geometry of fractures. Literature has noted the following important features of the fractures which affect the hydraulic properties of the chalk (Ref. 23).

a. The fracture density is generally thought to peak at about 20 mbgl; productive fractures decrease with depth. It is generally accepted that productive fractures are restricted to the upper few tens of metres of the aquifer (circa 50m).

o. Fractures are both horizontal and vertical.

p. The fractures can be termed primary and secondary fissures. Primary are the ubiquitous narrow fractures which have a typical hydraulic conductivity of the order of 0.1 m/d (1.2 x10^{-6}m/s) and contribute a transmissivity of 20m^2/d to the aquifer. The secondary fractures are the solution enlarged fractures and they contribute the remaining transmissivity of the aquifer, often more than 1000m^2/d. The transmissivity of the matrix is generally negligible.

q. The matrix of the chalk does not contribute directly to the permeability, but it has an important role in providing water to the fractures.

r. The areas of highest transmissivity generally tend to be beneath valleys, with the highest values in the unconfined chalk.

s. Aquifer properties are also strongly controlled by lithology, with hard bands of chalk rock having increased permeability as a result of associated fracturing.

t. It is further complicated by the weathered top of the chalk, which is often referred to as 'putty chalk', where the chalk is structureless and forms a clayey silt. This material can have significantly lower hydraulic conductivity reducing the transmissivity of the aquifer. The travel time within the putty chalk horizon is estimated to be between 2-15 times slower than in the main Chalk (British Geological Survey (1995)).

6.4.3 Packer testing was undertaken as part of the 2018 GI to inform the permeability of the Chalk aquifer beneath the site. Packer testing was undertaken at regular intervals in the Chalk strata in seven boreholes (GW201-GW206 inclusive and GW207a). The permeability results were variable with some tests displaying behaviour characteristic of a high conductivity system. These higher values are likely to be a result of interception of low frequency but high permeability fractures.

6.4.4 The packer test data has been separated in to 20m intervals from below the top of chalk to observe the variation in hydraulic properties with depth, the averages for each interval are shown in **Table 6.1.**

Table 6.1 Hydraulic conductivity with depth from top of Chalk

Depth from top of Chalk (m)	Mean hydraulic conductivity (m/s)	Geometric mean hydraulic conductivity (m/s)
0 – 20	2.37 x 10^{-5}	1.30 x 10^{-6}
20 – 30	8.04 x 10^{-6}	3.65 x 10^{-6}
30 - 40	6.00 x 10^{-6}	7.00 x 10^{-7}
40 – 52	3.36 x 10^{-7}	2.38 x 10^{-7}

6.4.5 The results of the packer tests indicate a decrease in hydraulic conductivity with depth, with the higher conductivities likely to be associated with the secondary fissures formed from dissolution around the water table fluctuations within the top 20m of the Chalk.

6.5 Background groundwater quality

6.5.1 The background chemical quality of groundwater in the vicinity of Luton is known to be poor because of a “low level halo” of solvent contamination due to the long history of industrial sites in the area. Published information indicates no single source of the pollution has been identified and it was attributed to widespread diffuse pollution with some ‘hotspots’ of high concentrations. Clean up of the aquifer was not considered a practical option and therefore treatment of the groundwater at abstraction points was adopted instead (Ref. 24).

6.5.2 A baseline report is available for the Chalk of the Colne and Lee river catchments as well as information on the contamination of the Chalk aquifer by chlorinated solvents (Ref. 24). This report indicates that a wide variety of contaminants including nitrate, ammonia, pesticides, bromate, hydrocarbons and solvents have been detected in the Chalk between the River Colne and the River Lee. The data in the report is for the Lee catchment, however there may be interlinkages between the catchments through solution features as discussed above and as such, may also be relevant for the Mimram catchment.

6.5.3 A comparison of literature values for groundwater quality for selected determinants within the Lee catchment are summarised in **Table 6.2**. The data is compared to groundwater quality data obtained from groundwater wells installed within the Chalk across the Airport which lies within the Lee catchment, these samples were obtained during ground investigations completed in 2016 and 2017. Background groundwater quality from the Mimram catchment obtained during the 2018 GI from two wells installed up-hydraulic gradient of the landfill (GW201 and GW202) is also summarised.

Table 6.2 Comparison of typical background concentrations of determinants in groundwater in the aquifer in the Luton area to site monitoring data for the Lee and Mimram catchments

Determinand	Units	Literature Values		Groundwater samples			
		Lee catchment		Lee catchment		Mimram catchment (up-gradient of landfill)	
		Min	Max	Min	Max	Min	Max
Calcium	mg/l	17	205	71	208	106	119
Magnesium	mg/l	1.7	113	2.2	8.7	2.42	4.07
Sodium	mg/l	6	589	7	83	40.3	51

Determinand	Units	Literature Values		Groundwater samples			
		Lee catchment		Lee catchment		Mimram catchment (up-gradient of landfill)	
		Min	Max	Min	Max	Min	Max
Potassium	mg/l	0.8	28.5	<1	6	1.44	4.63
Chloride	mg/l	14	1,250	12	122.86	62.3	108
Sulphate	mg/l	5	562	13.1	173	11.6	33.6
Nitrate	mg/l	<0.01	11.2	<0.07	21.9	<0.07	1.18
Nitrite	mg/l	<0.001	0.053	<.03	0.49	<0.02	0.27
Ammoniacal nitrogen	mg/l	<0.003	1.66	<0.015	0.3	<2	0.433
Arsenic	µg/l	<1	5	<0.15	2.52	0.586	6.68
Boron	µg/l	<100	600	<10	100	10.9	40
Barium	µg/l	25	93.6	35	100	60	89.7
Cadmium	µg/l	<0.05	0.35	<0.02	0.02	<0.08	<0.08
Chromium	µg/l	<0.5	3	<0.2	35	<1	10.8
Copper	µg/l	0.4	37.1	<1	17	<0.3	1.6
Iron	µg/l	<5	1280	5	1,900	<19	584
Mercury	µg/l	<0.1	0.7	<0.01	0.07	<0.01	0.0144
Manganese	µg/l	<2	40	0.4	300	117	641
Molybdenum	µg/l	<0.1	3.5	<0.05	1.1	<3	8.17
Nickel	µg/l	<0.2	78	<0.1	44	2.19	4.11
Lead	µg/l	<0.4	1.7	<0.2	1.1	<0.2	0.344
Antimony	µg/l	<0.05	1	0.7	15	<1	<1
Zinc	µg/l	<2	298	<1	18	1.33	23.6
Tetrachloroethene (TCE)	µg/l	1.12	631	<1	3	<1	<1
1,1,1-trichloroethane (TCA)	µg/l	5.5	1,020	<1	4	<1	<1
Tetrachloroethene (PCE)	µg/l	1.7	206	<1	4	<1	<1

6.5.4 In general, the concentrations recorded within both the Lee and Mimram catchments are similar to the literature values. Concentrations of chromium and manganese are elevated in wells within both catchments compared to literature values suggesting that there has been some impact on the aquifer from either on or off-site sources.

6.5.5 Low concentrations of solvents have been recorded in the groundwater within the Lee catchment and may be a result of the low-level halo of contamination across the wider Luton area. Solvent concentrations within the wells in the Mimram catchment were below the laboratory limit of detection, suggesting that there may be limited connectivity between

groundwater in the two catchments, although this cannot be completely ruled out.

6.6 Kings Walden abstraction groundwater quality

6.6.1 Groundwater quality data for the Kings Walden potable water supply abstraction (approximately 2.8km northeast of the Main Application site) was obtained from the Environment Agency which covered the period from November 1992 to September 2018.

6.6.2 A limited number of determinands are routinely monitored at the abstraction (pH, conductivity, ammoniacal nitrogen, nitrate and nitrite). Concentrations of nitrate are elevated (average of 11mg/l) when compared to the background groundwater quality data obtained from the on-site monitoring wells and are likely to be reflective of agricultural land use in the area surrounding the abstraction. No ammoniacal nitrogen, which is a common indicator of landfill leachate, is present in the groundwater at Kings Walden.

6.6.3 Limited samples of groundwater from the abstraction have been analysed for other contaminants including metals, hydrocarbons and solvents. The concentrations of these contaminants indicated that they are either absent or within the normal background groundwater quality range expected in the Chalk.

7 GROUND MODEL

7.1.1 The ground model is key to understanding the overall fate and transport of potential contaminants from the landfill. A 3D ground model was developed as part of the assessment as described in **Section 5.1.** This model has been used to inform the ground and hydrogeological features pertinent to the risk assessment. Key features of the ground model are:

a. The area is characterised by a series of dry valleys. The former landfill fills part of the head of one of the dry valleys.

b. The surface of the former landfill is undulating with an elevation between 150m AOD and 155m AOD with the southern part being particularly uneven and the ground level to the south and east dropping off steeply. The elevation at the bottom of the dry valley adjacent to the landfill is approximately 130m AOD.

c. Clay-with-Flints would have originally covered the area, but when the valleys were incised into the chalk this removed these deposits from the base of the valleys. Head deposits were formed on the valley sides through weathering of the Clay-with-Flints deposits, leaving only Head present on the valley sides. Some of this material eroded and was deposited in the bottom of the valleys, forming Dry Valley Deposits in the base of the valleys.

d. The ground model suggests that there may be discontinuous clay superficial deposits present beneath the landfill site which, where present, would retard the downward migration of leachate.

e. The strata underlying the Airport Access Road (off the landfill), varies, a significant depth of Made Ground (up to 20m) has been recorded directly onto weathered chalk along the Dairyborn escarpment, a thin band of Made Ground onto Chalk with Flints up to 7.0m thickness over weathered chalk is noted beneath the sections running through the Existing Airport Land.

f. The detailed GI found no consistent basal liner or engineered cap which confirms that the site is an old ‘dilute and disperse’ landfill.

g. The waste was noted to be relatively dry during the GI and this is supported by limited amount of leachate which collected within the leachate wells. This suggests that the infiltration is percolating through and is not retained by the landfill.

h. Monitoring suggests that the groundwater flows generally to the east beneath the side and generally it lies at least 15 m below the lowest part of the landfill.

i. Solution features were noted beneath the landfill during the GI, most commonly there were an irregular fretting of the top of the chalk, and solution pipes that extend further into the chalk. These features contain a mixture of deposits from sandy to clayey material. The features may contain more permeable deposits may provide a more

rapid route of transport of contaminants to the underlying groundwater.

j. The top of the chalk is weathered, which is often referred to as putty chalk, where the chalk is structureless and forms a clayey silt. This material can have significantly lower hydraulic conductivity reducing the transmissivity of the aquifer. The weathered chalk may retard the downward migration of leachate downwards.

k. Typically, hydraulic conductivity reduces with depth, with the higher conductivities likely to be associated with the secondary fissures that may have been enlarged by dissolution around the water table fluctuations within the top 20m of the Chalk.

l. The regional flow system in the Mimram catchment is likely to be locally modified by abstraction of groundwater from two potable absrtactions hwhich have modified flow direction to the east rather than south east.

m. Groundwater flow in the Lee Catchment beneath the Airport Access Road is to the south west toward the River Lee.

8 AREA A- LANDFILL WASTE CHARACTERISTICS

8.1 Methodology

8.1.1 Following the waste forensics assessment, as detailed in **Section 4.4**. a review of the investigation location logs, site photographs and site notes, each sample was assigned a waste type in accordance with the seven main waste types summarised in **Table 8.1**. The same process was also undertaken for the exploratory logs to assign the predominate waste type to each waste strata encountered. A total of 1,239 strata description were assessed.

8.1.2 The detailed methodology for assigning waste types is presented in **Appendix D.** This process was subjective and therefore the potential for bias exists. To ensure the results were representative a number of checks were undertaken on the data, these are detailed in **Appendix D.** In addition, a proportion of the forensic samples were sent off for laboratory analysis. Good correlations were found between the fraction of each waste component measured in the samples under laboratory conditions and the results obtained in the field laboratory.

Table 8.1 Categorisation of waste types

Waste Type	Overall description	Criteria for determining waste type	Representative example of waste type
Non-Chalky Cover	Cover material with a non-chalky matrix	The Non-Chalky Cover is largely derived from superficial deposits such as Clay-with-Flints Formation or Dry Valley Deposits. Generally described as brown or orangish brown, containing flint and occasionally chalk gravel. The majority of this waste type are natural materials (other non-organics) mostly soil with some inclusions of construction waste. Small proportions of other waste constituents may also be present within these layers, generally presumed to be from tracking materials whilst being placed.	
Chalky Cover	Cover material with a chalky matrix	The Chalky Cover is largely derived from Chalk. It is generally described as white, off-white or grey in colour and containing chalk and more occasionally flint gravel. Comprises mostly of natural materials (other non-organics), mostly soil with some inclusions of construction waste. Small proportions of other waste constituents may also be present within these layers, generally presumed to be from tracking materials whilst being placed.	

Waste Type	Overall description	Criteria for determining waste type	Representative example of waste type
Old Domestic	Household waste from pre-1970	Old Domestic waste typically comprised of ashy household waste, including newspaper, leather, bones, etc. Where dates where identified in the waste (e.g. on newspapers or food containers), this was used to separate the Old Domestic Waste from the Recent Domestic Waste. Where no dates were identified a combination of the types of items within the stratum and an assessment of the composition of the strata above and below were considered.	
Recent Domestic	Household waste from post-1970	Recent Domestic waste typically, brown to dark grey in colour and largely comprising ‘black plastic bag’ waste from household bins, mixed with other materials such as materials from domestic skips and characterised by the presence of plastic, newspaper and food containers. Where dates where identified in the waste (e.g. on newspapers or food containers), this was used to separate the Recent Domestic Waste from the Old Domestic Waste. Where no dates were identified a combination of the types of items within the stratum and an assessment of the composition of the strata above and below were considered.	

Waste Type	Overall description	Criteria for determining waste type	Representative example of waste type
Commercial	Office and retail waste	Commercial Waste typically comprised of office, school or retail waste from shops or the airport. Characterised by typically greater amounts of mixed paper, newsprint, corrugated, plastic and wood in the form of pallets.	
Industrial	Waste arising from factories, scrapyards, etc	Industrial Waste largely comprised of waste from local factories, garages and the former scrapyard located in the northwest of the landfill. This waste type spans the history of waste deposition into the landfill and is therefore varied in composition. Earlier Industrial Waste typically contains more construction waste, ash, clinker and slag than the later industrial waste of the 1960s and 1970s.	

Waste Type	Overall description	Criteria for determining waste type	Representative example of waste type
Construction	Material from construction projects	Construction waste was typically encountered near surface as a 'cover' layer but was also present throughout the landfill including at significant depths. Largely derived from reworked natural superficial deposits and described as brown or orangish brown in colour. This waste type is defined by the presence of brick and concrete with a lesser percentage of wood, plastic, glass, ferrous and other organics. Occasionally, brick and concrete may be absent, but other typifying waste items are present	

8.2 Results

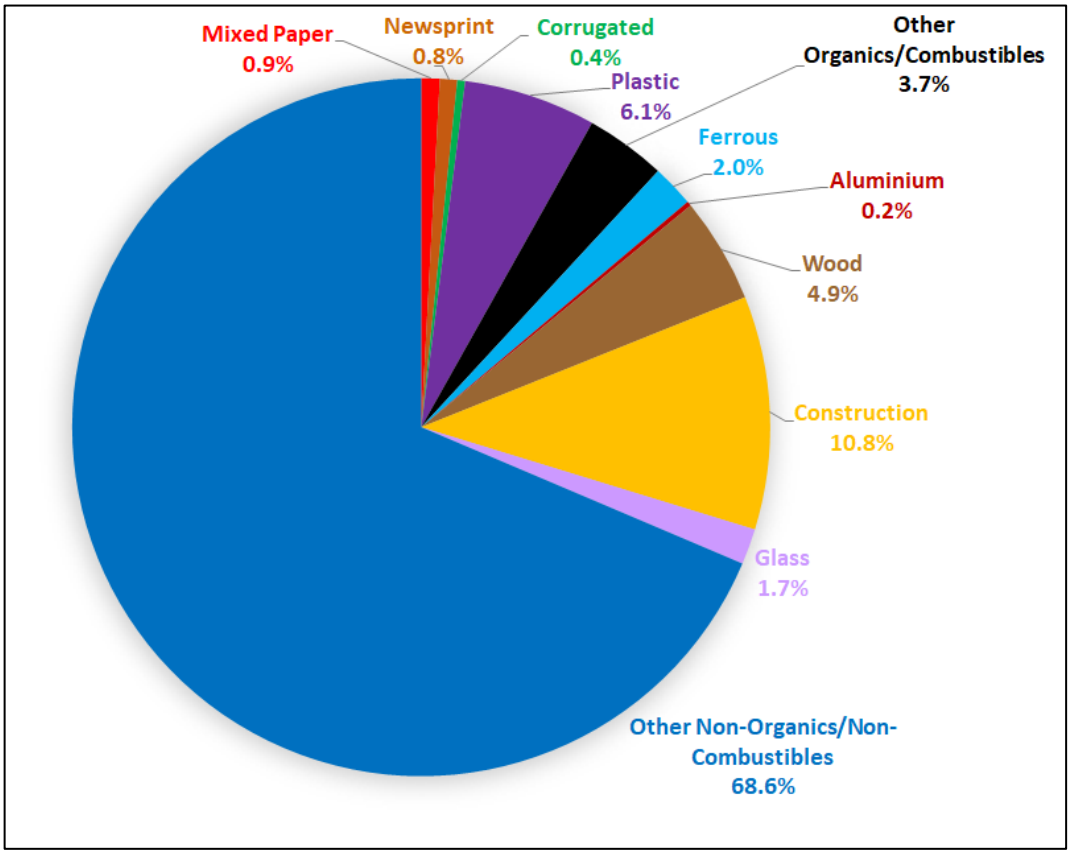
Overall waste composition

8.2.1 Understanding the overall components of the material in the landfill is important to the understanding of its current and future potential to produce leachate and landfill gas.

8.2.2 The forensic analysis of the waste provided a good estimate of the total proportions of different waste types within the landfill. As detailed in **Section 4.4** each waste component was weighed during the analysis, therefore the average percentage volume of each waste component can be calculated. **Drawing 4** shows the calculated overall percentages of the waste components.

8.2.3 The overall waste composition was found to be predominately (68%) other 'non-organics' which was defined as rock, sand, dirt, ceramics, non-ferrous metals (copper, brass etc), bones, ash, clinker and slag (see **Appendix D** logging protocol).

Drawing 4 Waste components presented as average volume percent in the landfill.



Age of waste

8.2.4 The age of the waste was estimated using the forensic analysis and observations of dates during GI works. These observations were

incorporated into the ground model developed **(see Section 5**). The model indicated that the major period of filling was during the 1970s (**see Table 5.2).**

8.2.5 The composition of the waste has changed over time reflecting the change in societal and economic growth in the UK. These trends can also be seen in the composition of the waste at the former Eaton Green landfill. The following trends can be seen in the composition of the waste:

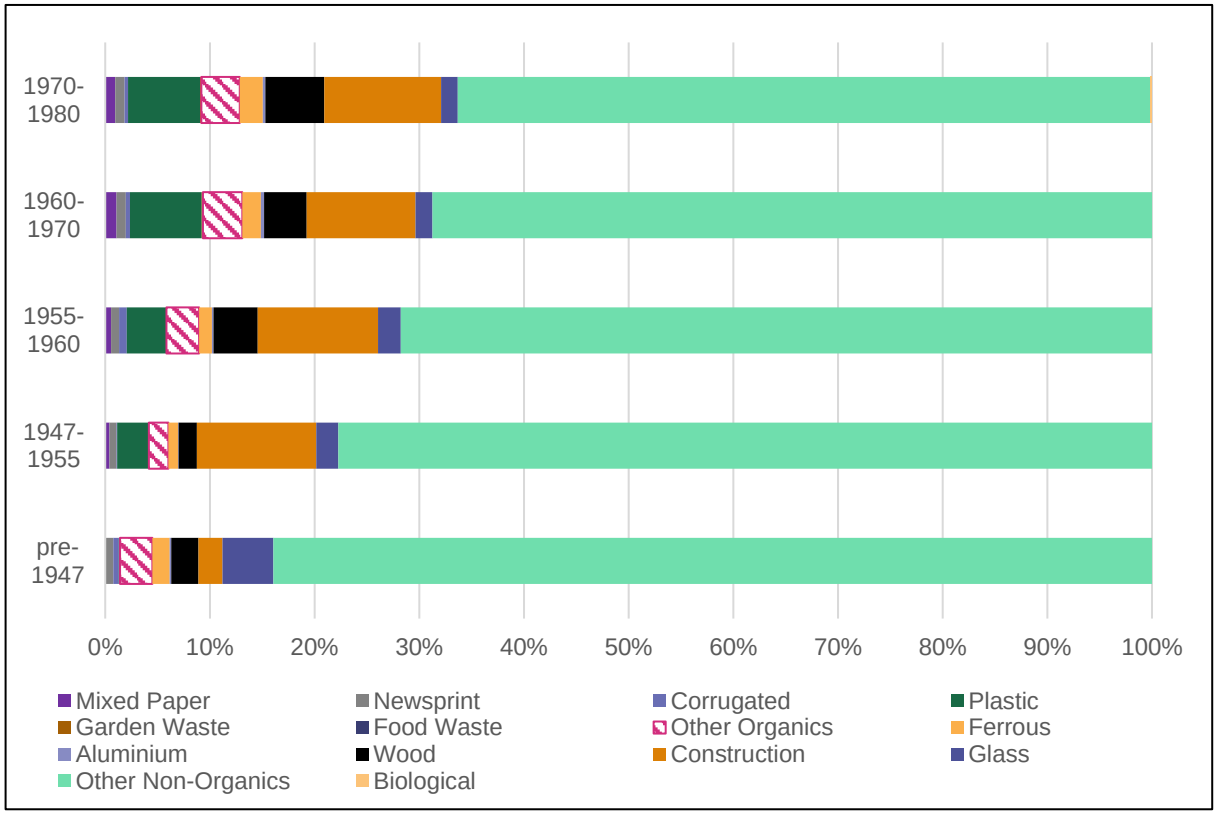
a. Prior to and during World War II very little waste was disposed of by household and industries, most by-products had a use and waste was collected for reuse and recycling i.e. rag-and-bone men (Ref. 25). This is illustrated **in Table 5.2** by the relatively low volumes of material disposed during this period;

a. There were also major changes in the composition of household waste as appliances replaced open fires for cooking, heating and water heading. Less paper and other waste was burnt on fires as appliances became more affordable (Ref. 25). The principal component of the pre-1947 waste at the former Eaton Green landfill is other non-organics material, which is likely to reflect waste of this era mainly comprising of household ash material. In addition, prior to 1950s a lot of waste was taken to ‘destructors’ by Local Authorities where waste was incinerated. The residue from these destructors also ended up in landfill (Ref. 26). The introduction of the Clean Air Act in 1957 led to a shift from incineration to disposal in landfills;

b. After World War II the 1950s were a period of economic growth and there was a big increase in carboard, plastic and glass waste which was due to a change in shopping habits towards the ‘self-service shop’ which meant every product had to be packaged. This can clearly be observed in the composition of the waste in **Drawing 5,** where there is a marked increase in the proportion of plastic, glass and paper derived materials; and

c. In all ages of waste there is a high component of either cover material or non-organic material. There is likely to be a lot of cover material present as even prior to the introduction of regulations on disposal of material to landfill, there was a requirement for ‘controlled tipping’ which required a covering of all waste within 72 hours and a minimum of 9 inches of final cover material (Ref. 25).

Drawing 5 Composition of waste by era



Waste types

8.2.6 An assessment of the waste was carried out as described in **Section 8.1,** supporting information is presented in **Appendix D.**

8.2.7 The overall percentage of different waste types by average volume in the landfill is present in **Table 8.2**. A large portion of the waste is categorised as construction (36 vol.%) or cover material (27 vol.%).

Table 8.2 Total percentage and estimated volumes of different waste types within the landfill

Waste Type	% volume	Estimated volume (m^3)
General Made Ground*	2%	85,000
Commercial	3%	130,000
Old Domestic	4%	170,000
Recent Domestic	10%	440,000
Chalky cover material	11%	485,000
Industrial	18%	790,000
Non-chalky cover material	16%	700,000
Construction	36%	1,600,000
	Total	4,400,000

Notes: Estimated total volume of material in the landfill is based on volumes calculated from the ground model (see **Section 5**).
* General Made Ground is material within the landfill not material placed post filing.

8.2.8 **Drawing 6** indicates that the distribution of waste types by era of filling. The following observations can be made:

a. there is a logical pattern demonstrated, with greatest proportion of old domestic waste in the pre-1955 waste and highest proportion of recent domestic waste in the post 1970s filling period. This supports the assessment work undertaken;

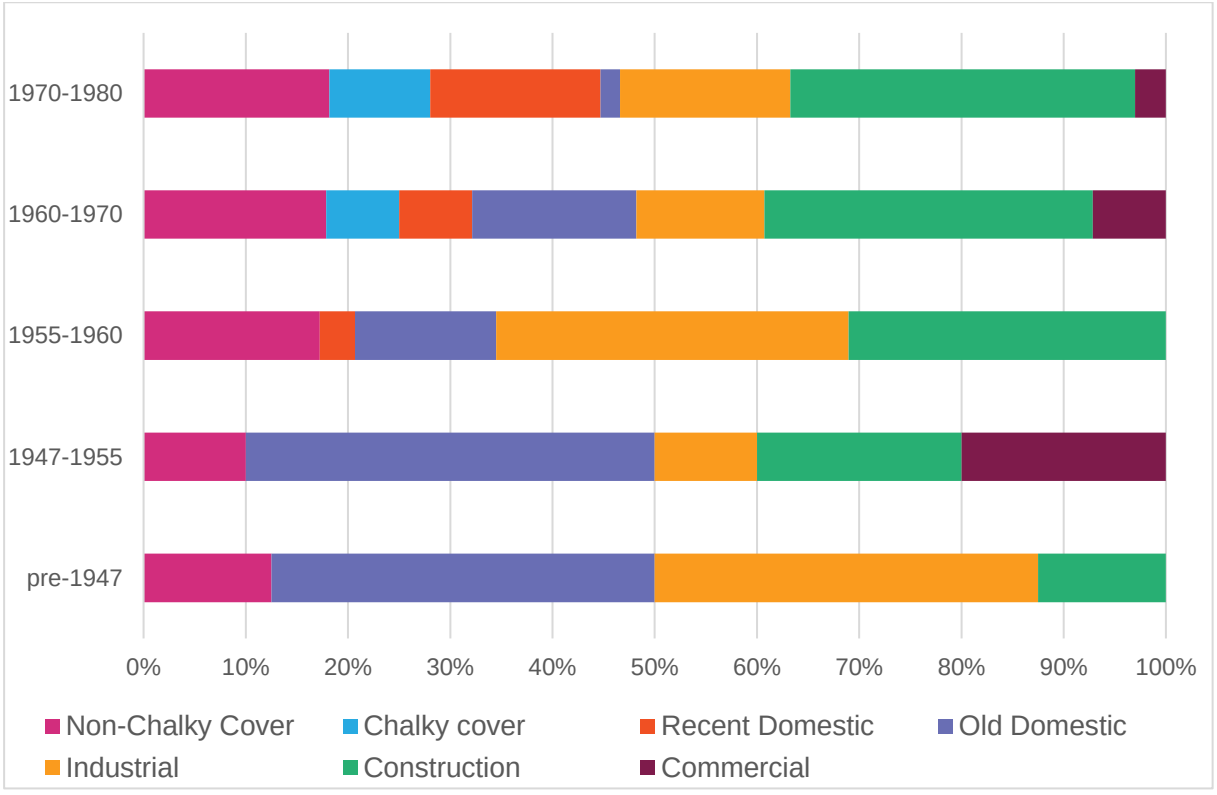
b. chalky cover material does not appear to have been used pre-1970;

c. the proportion of construction material is highest in the most recent waste post-1970s waste;

d. proportion of industrial waste appears to be highest in the older (pre-1960 waste). This may be due to difficulties distinguishing between ashy industrial and old domestic household ash waste; and

e. the proportion of cover material used appears to have increased from the 1960s onwards.

Drawing 6 Waste type by eras of filling



Chemical composition

8.2.9 The chemistry of the waste types has been examined to determine whether there are any patterns. The full analysis is presented in **Appendix D.** The following general observations in chemistry were noted:

a. The old domestic waste generally had higher concentrations of heavy metals than other waste types **(Drawing 7);**

b. There was no clear trend shown with the organic contaminants. However, generally industrial, construction and recent domestic had higher concentrations than the other waste types **(Drawing 7);**

c. Asbestos was detected most frequently and at the highest quantities in the industrial waste **(see Table 8.3**), further assessment of the asbestos encountered is provided in **Section 10.3.**

Drawing 7 Concentrations of arsenic (top left), mercury (top right), benzene (bottom left) and Naphthalene (bottom right) by waste type. Concentrations in mg/kg

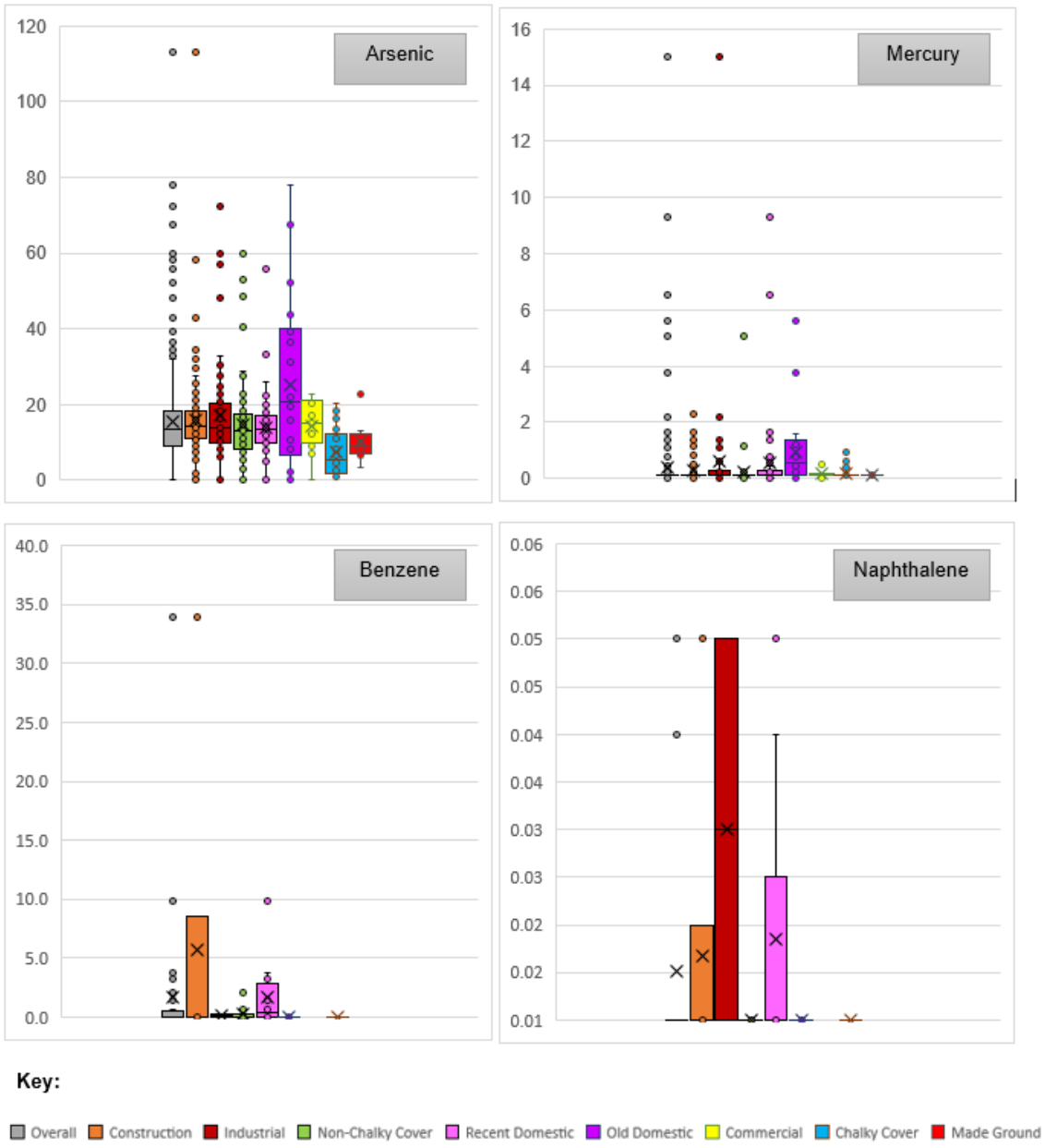


Table 8.3 Asbestos detections and quantities in waste types

Waste Type	No of samples	No. with asbestos fibres detected	% of detections	Min %w/w	Max %w/w
General Made Ground	14	2	14%	<0.001	0.0227
Commercial	12	4	33%	<0.001	<0.001
Old Domestic	19	4	21%	<0.001	0.963
Recent Domestic	50	12	24%	<0.001	0.225
Chalky cover material	28	1	4%	-	0.0534
Industrial	52	19	36%	<0.001	6.93
Non-chalky cover material	64	9	14%	<0.001	1.08
Construction	116	22	19%	<0.001	0.112

Decompostition status

8.2.10 The ability of a landfill to produce gas and leachate depends on the decomposition status of the waste and the age of the landfill. Therefore, it is important to understand the components in the waste which are degradable and the extent of degradation.

8.2.11 Degradation of waste material is controlled by the conditions in the landfill as well as the specific biochemical consistuents of the materials (i.e. their fat, sugar, protein, cellulose, hemicelluloses, lignin content etc). The degradation potential of materials is a function of the amount of degradable organic carbon (DOC) they contain, with cellulose and hemicellose making up 91% of the degradable carbon fraction. The typical degradability of different waste components from literature is presented in **Table 8.4** (Ref. 27).

Table 8.4 Degradability of different types of waste taken from LQM (2003)

Waste Category	Fraction of degradable carbon (%)			
	RM	MD	SD	Inert
Paper and card	0	25	75	0
Dense plastics	0	0	0	100
Film plastics	0	0	0	100
Textiles	0	0	100	0
Miscallenous non-combustible	0	0	0	100
Putrecible	100	0	0	0
Composted putrescibles	0	50	50	0

Waste Category	Fraction of degradable carbon (%)			
	RM	MD	SD	Inert
Glass	0	0	0	100
Ferrous metal	0	0	0	100
Non-ferrous metal and aluminium cans	0	0	0	100
Non-inert fines	100	0	0	0
Inert fines	0	0	0	100

Notes: RM- readily degradable. MD- moderately degradable. SD- slowly degradable

Degradable Organic Content (DOC)

8.2.12 The readily biodegradable fraction of municipal waste which can produce landfill gas is primarily made up of cellulose and hemicellulose, although not all the cellulose in waste is available for biodegradation. Therefore, the volume of degradable material can be estimated from the degradable organic content (DOC). The DOC of material has been estimated from the measured total organic carbon content (TOC) analysis from each era of filling using a conversion factor of 1.331 (Ref. 28). The range of DOC values are presented **in Table 8.5**

Table 8.5 Summary of the range of DOCs value of the landfill material within each era of filling

Waste Era	Location	Depth (mbgl)	Waste type	Range of values for degradable organic carbon (DOC) (%)
1947	LF-BH04	13.50	Industrial	7.8- 45.4
1955	LF-GW206	7.60	Old Domestic	0.09- 14.9
1960	LF-LW204	7.80	Construction	0.7- 23.51
1970	LF-BH228	5.30	Old Domestic	0.3- 18.32
1980	LF-BH212	9.40	Commercial	0.3- 37.15

8.2.13 The DOC readings suggest that the landfill waste is generally considered to have a low to moderate amount of DOC (28). However, there appears to be no significant correlation between the waste age/type and organic content of the landfill. Therefore, the nature of the degradable materials has been examined below to establish if any relationship exists.

Nature of degradable materials

8.2.14 Degradable materials encountered during the GI in the landfill comprised primarily of paper in its various forms (mixed paper, newsprint and corrugated) and wood. It is estimated that paper items account for 7.4 wt.% (2.1 vol.%) of the landfill mass, whilst wood waste accounts for 3.5 wt.% (4.9 vol.%) of the landfill. Newspaper print was noted from the forensic analysis to still be legible and relatively undegraded. However this should not be taken as an indicator of the overall degradation state of the landfill as newspaper does not degrade as efficiently as other paper such

as white office paper, due to its complex ligin-cellulose structure (Ref. 29) making it very slow to degrade.

8.2.15 Other clearly identifiable organic waste comprised textiles, rubber and leather, as well as other primarily combustible materials, which were classed under the ‘other organics/combustible’ waste fraction. Overall, this waste fraction comprised an average 5.3 wt.% (3.7 vol.%) of the total waste **(Drawing 4).**

8.2.16 Due to the age of the landfill (last known period of infilling recorded as late 1970s), biowaste comprising of garden waste, food waste and biological waste, was found to have degraded and was generally absent from the waste samples assessed. These three fractions, were observed, accounted for less than 0.5wt.% of the total weight of samples which is in agreement with the findings of previous studies (Ref. 30) that indicate that organic waste cannot be distinguished after 15 years of landfilling. This material is likely to have decomposed to a point where degraded organic matter and mineral content are now indistinguishable. Due to the low quantities of biowaste material observed, these items are included in the ‘other organics/combustibles’ waste fraction in Drawing 4. In total, it is estimated that 16.2 wt.% (10.7 vol.%) of the landfill is comprised of degradable material.

8.2.17 Field observations of the degree of degradation support this finding and with over 60% of the 189 samples assessed on site described as moderately (54%) or highly (7%) degraded.

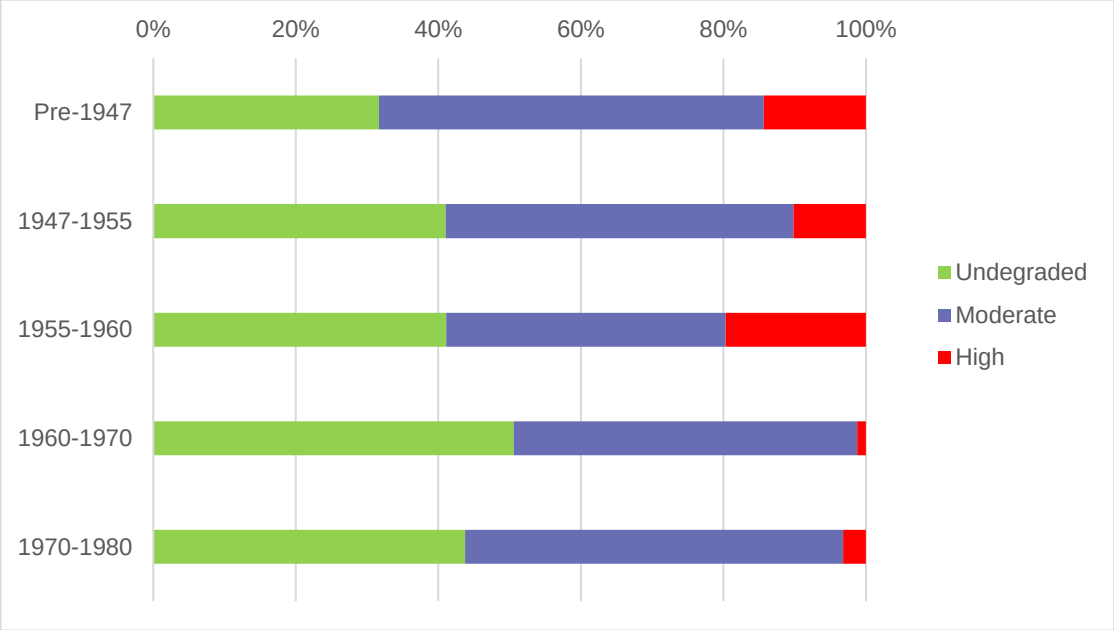
8.2.18 Non-degradable items encountered in the landfill include waste arising from construction and demolition activities (5.9 wt%) and material classed as ‘other non-organics/non-combustibles’ (67.2 wt%) comprising mostly of rock, sand, ceramics, bones, ash, clinker or slag. It is estimated that a total of 69 vol.% of the landfill is comprised of non-degradable materials.

8.2.19 In addition to clearly degradable and non-degradable materials, a minor fraction of the landfill is composed of inert items such as glass (2.8 wt.%), plastic (4.8 wt.%) ferrous (2.3 wt.%) and aluminium (0.8 wt%) waste.

8.2.20 When examined by age of waste there is a clear relationship to age. The older, pre-1960s, waste is predominately moderately or highly degraded (up to 75% degraded). In the younger waste (1970 onwards) there is still a

reasonably high component of undegraded waste (33-40%) with much less highly degraded waste. This is shown in **Drawing 8.**

Drawing 8 Observations of the degree of degradation of samples by era of landfill waste



Odours

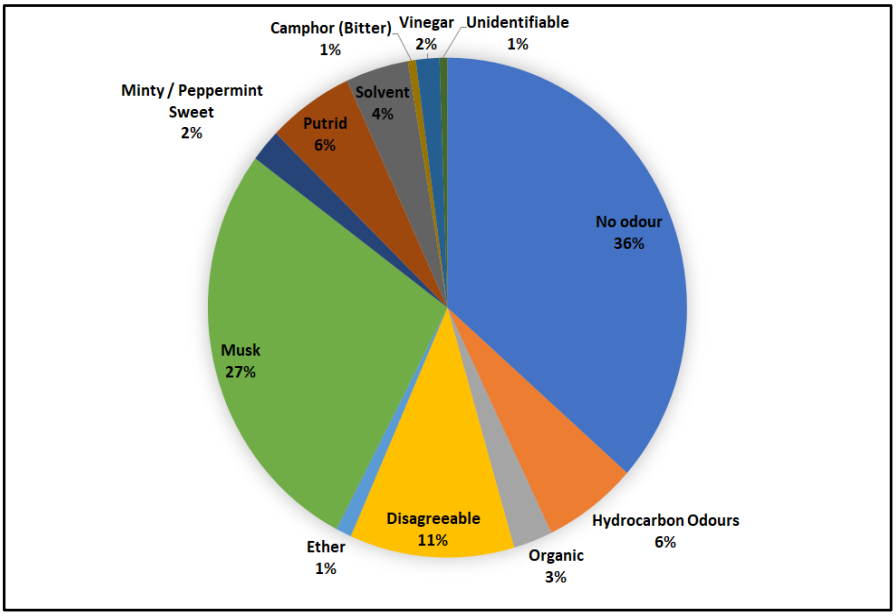
8.2.21 The assessment of odours provides qualitative information on potential contaminants within the waste and degradation state. The samples were described with an odour rating from 0 (no odour) to 5 (very strong). None of the samples analysed were described as having a strong odour. It should be noted that odours are very subjective, and observations can be interpreted differently by individuals.

8.2.22 The odours noted during exploratory locations were described into one of 12 categories. **Drawing 9** presents a summary of the overall odour observations. Approximately one third (37%) of the samples were found to have no discernible odour, with another third (28%) presenting a mostly musk odour which was occasionally associated with organic or hydrocarbon odours. Only 6% of the samples were described primarily as having a hydrocarbon smell (organic, petrol, diesel or tar) although hydrocarbons were frequently identified as secondary odours. Disagreeable odours (11%) were occasionally associated with a musk or organic smell. The musk and putrid notes odours are likely to be associated with the degraded waste and reflect the odours associated with volatile fatty acids such as propionic acid and formic acid (Ref. 31)(Ref. 32).

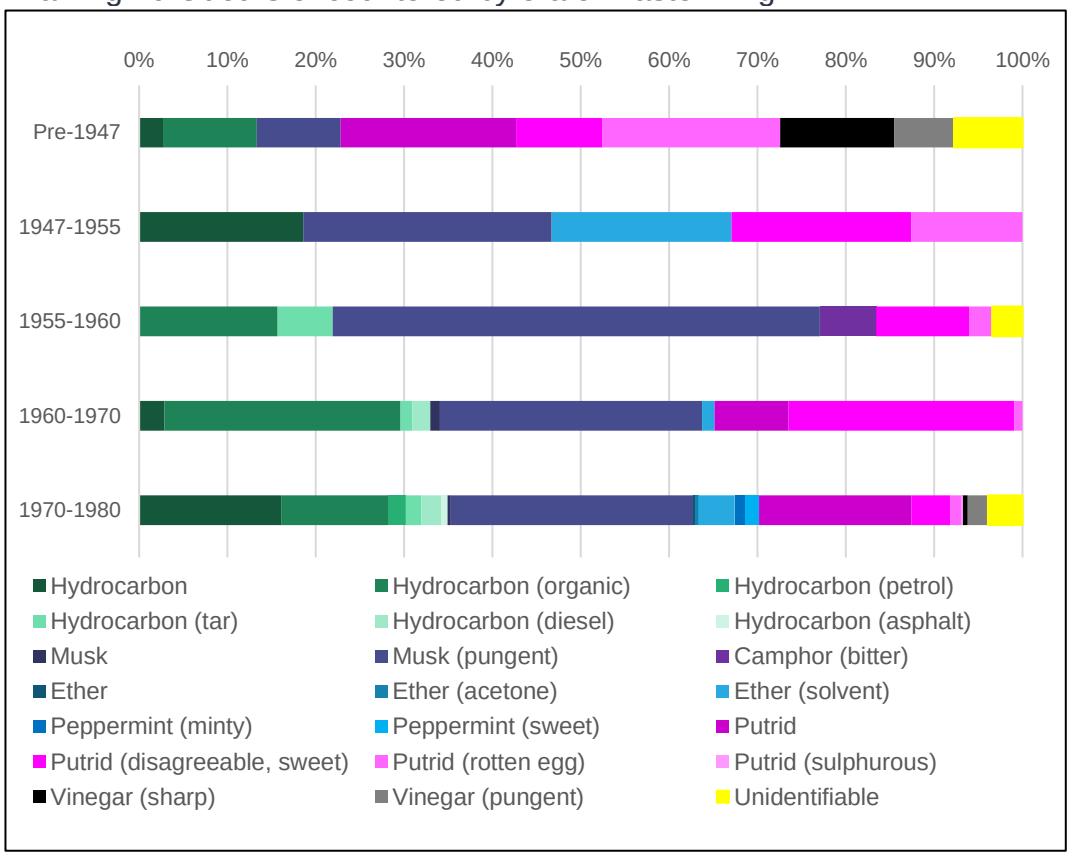
8.2.23 Review of the data by period of filling, indicated that hydrocarbon odours were most prevalent in the more recent waste (post 1970s) waste. Putrid and musk odours were more common in the older (pre-1960s) waste

which supports the fact that this material is more degraded than the more recent waste. This is shown in **Drawing 10.**

Drawing 9 Odour description of samples analysed by forensic



Drawing 10 Odours encountered by era of waste filling



8.3 Landfill leachate

8.3.1 The chemical quality of a landfill leachate is determined primarily by the composition and solubility of the waste constituents. Household waste and industrial waste will give rise to leachate. The leachate quality changes over time and for landfills which received non-hazardous municipal waste there is a series of distinct stages:

a. Leachate produced in the early stages of decomposition of waste is typically generated under aerobic conditions that produce a complex solution with near neutral pH. This stage generally only lasts a few days or weeks and is relatively unimportant in terms of leachate quality. However, because aerobic degradation produces heat, leachate temperatures can rise, sometimes as high as 80–90ºC, and if this heat is retained it can enhance the later stages of leachate production.

b. As decomposition processes develop, waste becomes anaerobic. At the early anaerobic stage (the acidogenic/acetogenic phase), leachate develops high concentrations of soluble degradable organic compounds and a slightly to strongly acidic pH. Ammonium and metal concentrations also increase during this phase. Even small quantities of this high-strength leachate can cause serious damage to surface water receptors.

c. After several months or years, methanogenic conditions are established, and the leachate becomes neutral or slightly alkaline, and of lower overall concentration, but it still contains significant quantities of some pollutants (e.g. ammonium).

d. As biodegradation nears completion, aerobic conditions may return, and the leachate will eventually cease to be hazardous to the environment.

8.3.2 Published literature reports that leachate from household waste is reasonably consistent in composition, with key changes in the composition occurring over time (as per stages 1-4 described above). As indicated in **Table 8.2,** the GI observations suggest that the landfill is predominantly construction waste, with some industrial, old and recent domestic wastes.

8.3.3 The quality of leachate obtained from the landfill has been compared to published literature values for recent and aged domestic wastes in **Table 8.6** to give an understanding of the stage of decomposition and the pollution potential of the leachate being generated.

Table 8.6 Comparison of literature values of typical composition of leachate from recent and aged domestic wastes at various stages of decomposition compared to leachate measurements from the site

Determinand	Leachate from recent wastes[1] (mg/l)	Leachate from aged wastes[1] (mg/l)	Average concentrations recorded in on-site leachate monitoring wells (mg/l)						
			LF-BH06	LF-BH12A	LW201	LW202	LW203	LW204	LW205
pH	6.2	7.5	6.9	6.7	7.3	8.06	7.9	7.4	7.1
COD	23,800	1,160	773	359	734	4,240	1,420	2,673	6,297
BOD	11,900	260	20	88	214	394	-	1,568	20
BOD/COD ratio	0.5	0.22	0.2	0.3	0.2	0.2	-	0.3	0.005
Fatty acids (as C)	5,688	5	<10[2]	13[2]	221[2]	26[2]	<10[2]	12[2]	<10[2]
Ammoniacal nitrogen	790	370	11	38	162	35	18	72	0.2
Oxidised Nitrogen	3	1	0.6	1.4	<0.1	<0.1	<0.1	0.1	2.1
Chloride	1,315	2,080	559	163	273	133	119	110	800
Sodium	960	1,300	374	195	446	254	1,250	84	313
Magnesium	252	185	11	33	60	26	21	25	4
Potassium	780	590	21	22	112	50	20	40	19
Calcium	1,820	250	233	169	213	140	36	215	201
Manganese	27	2.1	1.4	1.1	0.92	0.88	0.23	1.7	0.2
Iron	540	23	3	5	38	1.2	0.26	12	0.03
Nickel	0.6	0.1	0.31	0.008	0.043	0.021	0.03	0.022	0.014
Copper	0.12	0.3	0.43	0.002	<0.0003	<0.0003	0.0006	<0.0003	0.0031
Zinc	21.5	0.4	0.0014	0.004	0.012	0.031	0.01	0.006	0.34
Lead	8.4	0.14	0.0004	0.001	0.0004	0.0005	<0.0002	0.001	0.001

Notes:
[1] Typical composition taken from Waste Management Paper No.26 Landfilling Wastes (1986)
[2] Sum of fatty acids (C2-C7) above limit of detection; ethanoic acid, butanoic acid, hexanoic acid, propanoic acid and pentanoic acid

8.3.4 The comparison in Table 8.6 indicates the following:

a. The levels of contaminants are broadly consistent with leachate from aged waste, with the concentrations of many contaminants lower than those typical of an aged waste e.g. ammoniacal nitrogen, magnesium, manganese, zinc and lead.

b. The BOD to COD ratio provides an indication of the amount of organic matter present, a high ratio of BOD to COD suggest a large amount of biodegradable organic matter is present in a landfill. In LF-BH12A and LW204 the BOD/COD ratio is lower than that of a typical recent waste but slightly higher than an aged waste

suggesting that there may still be significant biodegradable matter in this part of the landfill. Both of these wells are located in the southern section of the landfill with LW204 towards the centre where the waste extends to approximately 11 m depth.

c. The BOD/COD ratio in the other leachate wells is similar to that of an aged waste, these wells are located across the northern and south west parts of the landfill.

d. Volatile fatty acids (VFAs) are formed via anaerobic degradation of larger organic molecules. The presence of VFAs such as acetic acid, would suggest that the landfill is continuing to break down organic matter and produce leachate. However, they are not present in very high concentrations in any of the wells, when compared to leachate from a typical recent waste, which suggests the landfill is approaching an aged state (between stages 3 and 4 outlined above).

e. The highest concentration of fatty acids was recorded in LW201 which is one of the locations where there has consistently been a greater accumulation of leachate recorded within the landfill. No VFAs were detected in leachate sampled from LF-BH06, LW203 or LW205.

8.1 Comparison with other landfills

8.1.1 There is very little available literature on the composition of waste in similar aged landfills within the UK. The most relvent information on composition of landfilled waste is a review of 60 landfill mining projects across Europe where the composition was determined (Ref. 33). **Table 8.7** indicates that the waste composition of Luton is broadly similar to other typical landfills across Europe.

Table 8.7 Average (wt.%) waste composition and comparison with literature values.

Waste Component	Typical Landfill (various countries) (wt.%)	Former Eaton Green Landfill (wt.%)
All paper fractions	5.3	7.5
Wood	3.5	3.5
Other organics / combustibles	11.1	5.3
Total Degradable Materials	***19.9***	***16.3***
Minerals / inert	5.8	-
Construction waste	9.0	5.9
Other non-organics	57.3	67.2
Total Non-Degradable Materials	***72.1***	***73.1***
Glass	1.1	2.8
Plastic	4.7	4.8
Total metals	2.0	-
Ferrous	-	2.3
Aluminium	-	0.8
Other	***7.8***	***10.7***

8.2 Interaction of earthworks with landfill

8.2.1 The proposed works have been designed to minimise the amount of landfill waste required to be excavated. The volumes of material to be excavated at each phase of the Proposed Development are shown in **Table 8.8**

Table 8.8 Volumes of landfill material proposed to be excavated in each phase

Phase	21.5mppa	21.5-27mppa	27-32mppa	Total required to achieve 32 mppa
	m^3	m^3	m^3	m^3
Landfill	27,000	312,000	11,000	350,000

8.3 Summary of waste characteristics

8.3.1 The waste forensics assessment, review of the exploratory logs, site photographs and site observations on the former landfill indicated the following:

a. much of the waste was deposited 40-50 years ago, and initial filling started almost 80 years ago. The most recent waste, in the capping layer, was deposited 30 to 40 years ago;

b. the waste is reasonably well degraded with no discernible biowastes. The slower degradable fractions of material are remaining such as newspaper;

c. an analysis of the waste components indicates that 69% is non-organic/non-combustible material;

d. the waste contains a high proportion of cover material (both non-chalky and chalky), particularly in the more recent wastes (1970s onwards);

e. a large portion of the waste is categorised as construction (36 vol.%) or cover material (27 vol.%);

f. the old domestic waste has higher heavy metal concentrations, which may be a function of the predominate material in this waste being ashy material;

g. there was no clear trend shown with the organic contaminants. However generally industrial, construction and recent domestic had higher concentrations than the other waste types;

h. chemical analysis of the landfill leachate indicated the levels of contaminants are broadly consistent with leachate from aged waste, with the concentrations of many contaminants lower than those typical of an aged waste e.g. ammoniacal nitrogen, magnesium, manganese, zinc and lead;

i. asbestos was detected most frequently and at the highest quantities in the industrial waste; and

j. overall there is no distinct spatial variation in the waste types or chemistry. The relative proportions of different waste types are defined by the era in which it was deposited. As such it is not considered necessary to sub-divided the landfill for any of the subsequent assessment detailed in the following sections.

9 GENERIC QUANTITATIVE RISK ASSESSMENT

9.1 Risk assessment process

9.1.1 The statutory guidance which accompanies Part 2A Environmental Protection Act 1990 legislation[34] details that the significance of any contamination should be evaluated through a risk assessment. The current best practice for risk assessment methodology is detailed in Environment Agency's Land Contamination Risk Management Guidance[2.]

9.1.2 The risk assessment process is underpinned by the concept of establishing whether a contaminant linkage exists between a source and a receptor via a viable pathway. For a potential risk to exist all three elements must exist to form a contaminant linkage.

9.1.3 The risk assessment process aims to establish whether unacceptable risks exist and if so what further actions need to be taken in relation to the site. It is an iterative tiered approach which consists of three progressively detailed stages of risk assessment; PRA, GQRA and DQRA. Depending on the nature of the site and contamination present, not all stages of risk assessment may be required.

9.2 Overall approach

9.2.1 As identified in **Section 9**, the PRA identified that Area A (former landfill) and the Airport Access Road, were the only areas requiring further risk assessment. Therefore, the assessment will focus on these areas.

9.2.2 As described in **Section 9**, overall there is no distinct spatial variation in the waste types or chemistry. As such it is not considered necessary to sub-divided Area A for the risk assessment. The risk assessment considers a reasonable worst-case scenario is representative of the conditions at the landfill. This is considered conservative but allows for the heterogenous nature of the landfill in the assessments.

9.2.3 Construction related impacts have been considered, where appropriate, in the assessment. Any breaking out of surfaces along the Airport Access Road where Made Ground or landfill material will be exposed, as well as the excavation work to the landfill for the Proposed Development described in **Section 2.4** will be undertaken in a manner in such that the potential impacts are controlled and minimised. These control measures will be detailed in the Draft Construction Code of Practice (**Appendix 4-2** to the PIER) and Remediation Strategy (**Appendix 17-5** to the PIER).

9.3 Data used in assessment

Area A - Former Landfill

9.3.1 All available data from the following GIs **(see Figure 10)** has been used to assess the conditions within Area A and the potential for impacts outside of the landfill boundary:

a. AECOM (2019) Luton Airport Landfill, Main Ground Investigation – Factual Report;
b. AECOM (2018) Luton Hangar 24 Ground Investigation, Factual Ground Investigation Report;
c. Structural Soils Limited (2017) Landfill Factual Report on Ground Investigation;
d. Structural Soils Limited (2017) Century Park Factual Report on Ground Investigation;
e. Structural Soils Limited (2017) Century Park Access Road, Factual Report on Ground Investigation; and
f. Concept Site Investigations (2015) Luton Airport Terminal Extension, Site Investigation Report.

Airport Access Road

9.3.2 Two GI's have been undertaken along the proposed road alignment:

a. Structural Soils Limited (2017) Century Park Access Road, Factual Report on Ground Investigation; and
b. Geotechnics Ltd (2018) Century Park Access Road Additional Works, Factual Report. Draft.

9.3.3 It is pertinent to note that the Airport access Road traverses the former Landfill towards the eastern extent and data from this area has been assessed under Area A.

9.4 Adequacy of data

Eaton Green Landfill

9.4.1 As discussed in **Section 4.1.3** preliminary and detailed GIs have been undertaken within the landfill area. The sampling locations have a good spatial, lateral and vertical distribution, encompassing all the main eras of waste deposition. A substantial number of samples have been undertaken including; soil (1219 samples), groundwater and leachate (328 tests) and gas/VOC samples (96 tests) to industry standards providing a comprehensive dataset for the area.

9.4.2 A considerable amount of gas monitoring has also been undertaken which has included:

a. twelve months' worth of spot gas monitoring (i.e. levels measured at monthly intervals from boreholes);
b. continuous gas monitoring in five boreholes across the landfill during the recent GI (which have taken continuous readings over a 3-month period); and
c. samples of bulk and trace gases to determine the constituents and volumes of gases within the landfill.

9.4.3 The investigations undertaken to date provide a good understanding of the general composition of the waste, groundwater, leachate and landfill gas conditions. Therefore, the data is considered to be adequate to inform the risk assessment. It should be noted there were some areas of the former landfill which were not accessible during the GI, including parts of the landfill which were airside and the southeastern end of the landfill which had a steep slope. Further GI may be required in these areas prior to works to ensure they are consistent with the general understanding of the ground conditions.

Airport Access Road

9.4.4 Two phases of ground investigation have been undertaken for the Airport Access Road in 2017 (Ref. 8) and 2018 (Ref, 9) which were reviewed in the PRA (Ref. 1). The sampling locations are distributed across the route at approximately 50m spacing. Chemical testing was not undertaken at each location, so in some areas the chemical sampling density does not meet that of an exploratory investigation as set out in BS10175 (Ref. 11). Samples were tested for a range of analytes relevant to the past contaminative land uses and provides a preliminary dataset to assess the risks posed to human health.

9.4.5 No groundwater testing or leachate testing was undertaken as part of the GI works. It is not envisaged that the proposed earthworks will interact with the groundwater. However, this will need to be reviewed at the detailed design stage.

9.4.6 Ground gas monitoring collected during the GI works has been used as part of an overall assessment of the area outside of Eaton Green Landfill.

10 HUMAN HEALTH GENERIC QUANTITATIVE RISK ASSESSMENT

10.1 Methodology

Soil

10.1.1 A human health generic quantitative risk assessment (GQRA) has been undertaken in accordance with the Environment Agency's Contaminated Land Exposure Assessment (CLEA) framework (Ref. 35). The CLEA model estimates human exposure (children and adults) to soil contaminants for those potentially living, working and/or playing on contaminated sites over long time periods (chronic exposure). It does not assess risks to groundwater and does not include short-term risks, for example to construction workers. Risks to construction workers should be covered by appropriate site management plans i.e. construction code of practice. However, an initial assessment of the acute risks has been undertaken to inform management of risks during future works. The approach to the acute generic risk assessment is described below in **Section 10.1.12.**

Radionuclides

10.1.2 Percival Works, which was located immediately west of the site, was a former aircraft manufacturer, including during World War II. It is known that during this period aircraft dials were commonly painted with radium to make them luminous. The PRA identified the potential for radionuclides to be present in the waste materials in Area A, if luminous aircraft dials from the nearby Percival Works were disposed there.

10.1.3 A survey was undertaken after the GI works to follow up on locations where readings had been encountered above background levels. This further survey **(Appendix C)** indicated that the levels of radionuclides detected were consistent with expected natural background levels and do not pose a risk to health. Therefore, no further risk assessment of the radionuclide risks is required. However, a watching brief will be required during excavation works and procedures in place to ensure any suspected radionuclide containing material encountered is appropriately managed.

Statistical analysis

10.1.4 A review of the data indicated that statistical analysis is unlikely to be appropriate for assessing the human health risks from the soils/waste in Area A for two main reasons:

a. Trial pits provide good representation of the material but were not able to progress beyond 5 m in the landfill waste. Therefore, the data is skewed towards the shallower horizons of the landfill due to the depth of the waste. **Table 10.1** indicates the number of samples obtained from the various depth horizons within the landfill. As detailed within the CL:AIRE guidance (Ref. 36), it is not appropriate to apply statistical testing to biased sampling; and

b. The conditions in the landfill are extremely variable therefore it is unlikely that the contamination concentrations detected will be attributable to any underlying population.

10.1.5 The ground model developed has been used to collate all the historical, site investigation and other data to develop an understanding of the contaminant concentrations and characteristics across the site based upon a “lines of evidence” methodology.

Table 10.1 Number of samples obtained for chemical analysis from within the landfill by depth

Depth (m bgl)	No. Samples
0 – 5	358
5 – 10	86
10 – 15	34
15 – 20	9
20 – 25	1
Total	488

10.1.6 Statistical analysis was also not applied to the Airport Access Road due to the following reasons:

a. The chemical sampling density is not sufficient to allow determination of suitable averaging areas or allow robust statistics; and

u. Chemical sampling along the route was largely targeted on potential areas of contamination and as detailed within the CL:AIRE guidance (36), it is not appropriate to apply statistical testing to biased sampling.

10.1.7 Therefore, comparison of the maximum concentration against appropriate assessment criteria is considered suitable for a preliminary assessment of the potential risks to human health receptors.

Chronic Exposure Risk Assessment

10.1.8 In order to use the most appropriate assessment criteria for determining the potential risk to future users, it is important to consider the proposed end use in the area. The proposed development within Area A and along the Airport Access Road includes:

a. Hotel;

b. Energy centre;

c. Café;

d. Offices/light industrial premises;

e. Areas of landscaping;

f. Car parking associated with the office/industrial units;

g. Access road;

h. DART extension from T1 and new DART station;

i. New terminal building; and

j. Apron, stands and taxiways.

10.1.9 **Table 10.2** below provides justification for the Generic Assessment Criteria (GACs) selected for proposed land use associated with the proposed development. The soil analysis has then been compared to the lowest GAC for each contaminant for the proposed land uses in order to make an initial conservative assessment of the potential risk to human health. A soil organic matter (SOM) content of 1% has been used to provide an initial assessment.

10.1.10 The chronic exposure risk assessment is based on the current proposals. If the proposed end uses change to a more sensitive use then revaluation of the data may be required.

Table 10.2 Summary of proposed infrastructure in the development

Infrastructure proposed	Generic assessment criteria	Justification
Hotel	Female Adult Commercial	The future occupants of hotel may include children using the hotel. However, their exposure is likely to be infrequent and short in duration. Therefore, the most sensitive receptor is considered to be those working at the hotel, who are likely to have more prolonged exposure.
Energy centre		General public are unlikely to access the energy centre, therefore the most sensitive receptor is considered to be those working at the energy centre.
Café		Future visitors the café may include children, however their exposure is likely to be infrequent and short in duration. Therefore, the most sensitive receptor is considered to be those working at the café.
Offices/light industrial premises		The most sensitive receptor is considered to be those working at the office/light industrial premises.
Areas of landscaping	Female child 0 – 6 years – Public open space	These areas of the proposed scheme are likely to be accessible to the general public meaning children accessing the site may have occasional contact with soils and or inhalation of gases/vapours. Therefore, public open space criteria for a child aged 0-6 years has been considered sufficiently protective of end users of this area.

Infrastructure proposed	Generic assessment criteria	Justification
Car parking associated with the office/industrial units	Female adult maintenance worker for open space	No potential for accumulation of vapours or gases in indoor air. Areas to be covered in hardstanding so no potential for member of the public to come into contact with underlying soils. Therefore, main receptor is considered to be a maintenance worker who may have occasional direct contact with soils.
Airport Access Road		No potential for accumulation of vapours or gases in indoor air. Areas to be covered in hardstanding so no potential for member of the public to come into contact with underlying soils. Therefore, main receptor is considered to be a maintenance worker who may have occasional direct contact with soils.
Extension of the DART from T1 and new DART station.	Female Adult Commercial	The future users of the airport will be members of the public including children. However, their exposure is likely to be infrequent and short in duration. Therefore, the most sensitive receptor is considered to be those working at the airport, who are likely to have more prolonged exposure.
New terminal building, apron, stands and taxiways		

Dioxin, furans and dioxin like polychlorinated biphenyls (PCBs) compounds

10.1.11 The approach outlined in the above sections has been used for assessing the chronic exposure risk to all contaminants with the exception of dioxin, furans and dioxin like polychlorinated biphenyls (PCBs) compounds. These compounds were identified as potential contaminant of concern in Area A from the PRA. A different approach is required for these compounds as the published GACs are based on the assumption that the source is atmospheric deposition. This is unlikely to be the case for Area A, as sources are more likely to be from material deposited in the landfill such as electrical equipment. Therefore, the published Environment Agency excel worksheet for PCDD, PCDFs and dioxin-like PCB compounds for a commercial land use scenario (Ref. 37) has been used to enable a site-specific comparison of total exposure from these compounds in soil with the health criteria value. This results in a Hazard Index (HI). A HI greater than 1.0 indicates a potential risk and further consideration is required. A HI of less than 1.0 indicates that the concentration does not pose a potential risk to future users of the site.

Acute Exposure Risk Assessment

10.1.12 The principal risks to human health are from the chronic risks resulting from long term exposure to specific contaminants. Chronic risks often occur at lower doses than acute risks, therefore they are often the key risk driver. The Society of Brownfield Risk Assessment (SoBRA) recently published an approach for assessing acute risks to human health from short term exposure to soil contamination and associated acute generic assessment criteria (AGAC) (Ref. 38). The SoBRA approach looks at two scenarios:

a. Short term exposure of the public by direct contact or ingestion. In addition, inhalation of dusts or vapours arising from excavation activities (e.g. during construction or remediation) The direct contact pathways assumes trespass onto an active construction site, which is considered unlikely but has been included as a conservative assessment of the risks; and

b. Short term exposure by workers involved with excavations.

10.1.13 It is not intended to replace health and safety guidance on managing risk and controlling exposure, or replace monitoring, or other controls. It is intended to highlight potential acute risks prior to work commencing and/or inform the design of appropriate cover systems.

10.1.14 The maximum soil concentrations have been compared to the AGAC derived by SoBRA.

Groundwater Vapours

10.1.15 Volatile contaminants in groundwater have the potential to cause risk to human health via volatilisation and migration of vapours into overlying buildings or outdoor air space followed by inhalation.

10.1.16 The groundwater in the underlying chalk aquifer is at a significant depth below the ground level, typically 40 mbgl, beneath both the landfill and Airport Access Road and as such there is not considered to be a potential risk to the future development from volatilisation of contaminants. However, during the 2018 GI some perched water was encountered in the landfill. Therefore, the potential risks associated with volatile contaminants in perched water has been assessed.

10.1.17 In order to assess this the measured concentrations of volatile contaminants in groundwater have been compared with published groundwater vapour generic assessment criteria (GACgwvap) developed by SoBRA (Ref. 39).

10.1.18 Further details of the assessment criteria used for both soil and groundwater are presented **in Appendix E**

Soil Gas Vapours

10.1.19 There are no generic assessment criteria for assessing soil gas vapour concentrations. Therefore, PCLs associated with soil gas vapours have

been considered through DQRA and are presented in the DQRA for Human Health, **Appendix 17-3** of the PEIR.

Asbestos

10.1.20 The term ‘asbestos’ refers mainly to six fibrous minerals that are known to cause serious health effects when inhaled. The main commercially exploited forms are chrysotile (white asbestos), amosite (brown asbestos) and crocidolite (blue asbestos). Between 1900 and 1980, asbestos was widely used in a plethora of construction and insulation products due to the physical, thermal and chemical properties of the fibres. The importation of crocidolite had ceased by 1970 (except for limited specialised applications such as battery casings). The importation of amosite ceased in 1980. The importation and use of asbestos in the UK was finally banned (for nearly all purposes) in 1999 (Ref. 40).

10.1.21 Asbestos-containing materials (ACMs) are found commonly in buildings constructed up to the year 2000 as floor and ceiling tiles, pipe lagging, insulation board, roofing materials, protective coatings, textured decorations etc, as well as being widely used in brake linings.

10.1.22 Historical waste management and demolition practice has resulted in asbestos-containing materials (ACMs) being potentially present in the soil or made ground at any brownfield site (Ref. 40).

10.1.23 In order for asbestos found within soil to pose a risk to health, it has to be present in a form that can release fibres to air for inhalation. Currently there is no UK soil guideline criteria for Asbestos Containing Soils (ACS) in relation to the risk from long-term environmental exposure to human health. The research to date suggests (Ref. 40) there is no safe or threshold level for asbestos exposure below which there is no discernible increase in risk.

10.1.24 In the absence of any published threshold value the WHO Air Quality Guideline (Ref. 41) value of <0.001 fibres/ml (equivalent to 0.001 %w/w) has been used as initial screening criteria to determine whether further assessment is required.

10.2 Results

Comparison of soil analysis to GAC’s

Chronic assessment criteria

10.2.2 Comparison of the soil samples against the GAC indicated exceedances within Area A as summarised in **Table 10.4** and shown on **Figure 16.**

10.2.3 No exceedances were observed along the Airport Access Road against the GAC for commercial /industrial end use. However several samples exceeded the soil saturation limits for particular TPH chains and a few PAHs, see **Table 10.3.** The full screening assessment is provided in **Appendix E.**

Table 10.3 Exceedance of soils saturation limits for TPH and PAHs for the Airport Access Road

Contaminant	Number of exceedances/ (total samples tested)	Location	Depth (mbgl)	Maximum Conc. (mg/kg)	Soil Saturation Limit	GAC (mg/kg)
PAHs						
Indeno (1,2,3-c,d)pyrene	15/(43)	PFCPRC24	15.0	1.54	0.15	506
Dibenzo(ah) anthracene	9/(43)	PFCPRC24	15.0	0.21	0.0098	3.55
Benzo (g,h,i) perylene	22/(43)	PFCPRC24	15.0	1.47	0.04	3950
Chrysene	1/(43)	PFCPRC24	15.0	1.23	1.10	352
TPH						
Aromatic C21-C35	5/43	PFCPRC04	0.6	236	12.1	28400
Aliphatic C16-C21	2/43	PFCPRC04	0.6	103	21.2	10700000
Aliphatic C21-C35	5/43	PFCPRC04	0.6	584	21.2	10700000

10.2.4 The samples where the soil saturation limits are exceeded are all Made Ground and generally reworked chalk with limited visual or olfactory evidence of potential contamination sources other than occasional gravel of clinker. Exploratory hole PFCPRC24 which has the maximum concentrations recorded strong hydrocarbon/organic odour. Although the soil saturation limits are exceeded none of exploratory hole logs recorded any free-phase petroleum products. The TPH fractions which are recorded as exceeding the soil saturation limit all have a carbon chain greater than C16 (The 'C' refers to the length of the carbon chain in the chemical compound). These fractions have an air-water partition coefficient (K_{aw}) lower than 4 $x10^{-4}$, which means they are not considered to be volatile (Ref. 42). Combined with the fact there is no free-phase and no evidence of a contaminant source it is unlikely a potential vapour pathway from soil contaminants would be formed and therefore this has been excluded from further assessment.

Table 10.4 Exceedances of contaminants in soil when compared to generic assessment criteria (GAC) for Area A.

Contaminant	Number of exceedances/(total samples tested)	Location	Depth (mbgl)	Concentration (mg/kg)	Waste type	GAC (mg/kg)
Polyaromatic Hydrocarbons						

Contaminant	Number of exceedances/(total samples tested)	Location	Depth (mbgl)	Concentration (mg/kg)	Waste type	GAC (mg/kg)
Benzo(b) fluoranthene	7/(357)	BH05*	0.10	18.8	Non-chalky cover	13.2[i]
		BH231*	4.35	13.3	Non-chalky cover	
		BH232*	5.80	14.1	Old Domestic	
		TP214	1.50	45.0	Construction	
		TP223	3.5	22.2	Recent Domestic	
		TP232	2.3	15.5	Industrial	
		WS224	4.5	103	Construction	
Benzo(a)pyrene	12/(357)	BH05*	0.10	18.5	Non-chalky cover	10.8[i]
		TP214	1.50	43.1	Construction	
		TP232*	2.30	13.6	Industrial	
		TP258*	1.50	11.5	Construction	
		WS224	4.50	83.7	Construction	
		BH231*	4.35	13.4	Non-chalky cover	
		TP213	3.5	11.4	Industrial	
		TP214	1.5	43.1	Construction	
		TP223	3.50	25.6	Recent Domestic	
		TP232	2.30	13.6	Industrial	
		TP258*	1.5	11.5	Construction	
		WS224	4.5	83.7	Construction	
Dibenzo(ah) anthracene	10/(357)	BH05*	0.10	2.9	Non-chalky cover	1.15[i]
		BH232*	5.80	1.16	Old Domestic	
		TP207	1.6	1.51	Industrial	
		TP214	1.5	4.98	Construction	
		TP223	3.5	3.79	Recent Domestic	
		TP232	2.3	2.03	Industrial	
		TP243*	4.3	1.27	Old Domestic	
		TP258*	1.50	1.58	Construction	
		TP270	5.60	1.17	Commercial	
		WS224	4.5	7.69	Construction	
Indeno(1,2,3-cd) pyrene	1/(357)	WS224	4.50	80.4	Construction	44[iii]
Chrysene	1/(357)	WS224	4.50	114	Construction	91[iii]
Benzo(a)anthracene	2/(357)	TP214	1.50	51	Construction	48.8[i]
		WS224	4.50	134	Construction	
Naphthalene	1/(357)	GW203B	4.70	285	Industrial	193[ii]
2-Methyl-naphthalene	2/(186)	GW203B	4.70	425	Industrial	193[ii]
		TP220	2.50	213	Recent Domestic	

Contaminant	Number of exceedances/(total samples tested)	Location	Depth (mbgl)	Concentration (mg/kg)	Waste type	GAC (mg/kg)
Metals						
Lead	13/(481)	BH09	6.40	15700	Recent Domestic	1300 [i]
		BH203	5.30	1490	Recent Domestic	
		BH217	13.20	2170	Non-Chalky Cover	
		BH219	16.00	1470	Recent Domestic	
		BH222*	3.55	6680	Chalky cover	
		BH231*	3.80	1600	Non-Chalky Cover	
		BH231*	6.50	2410	Construction	
		BWS215*	3.40	3410	Construction	
		LW202	7.60	1570	Construction	
		TP228	2.50	1590	Industrial	
		TP250*	4.10	2000	Old Domestic	
		TP261	5.50	3790	Recent Domestic	
		WS224	3.60	2430	Construction	
Nickel	8/(481)	BH209 (PFCP73)	4.70	2310	Construction	804 [i]
		BH231*	3.80	847	Non-Chalky Cover	
		TP211	3.00	5620	Recent Domestic	
		TP216	2.80	2350	Recent Domestic	
		TP241	1.50	1080	Construction	
		TP242	5.50	18100	Old Domestic	
		TP274	2.50	1040	Construction	
		WS218	3.70	1330	Construction	
Beryllium	1/(477)	BH228	10.80	13.5	Natural- not within waste	11.7 [ii]
Chromium**	1/(481)	TP242	5.50	8670	Old Domestic	8570 [ii]
Copper	2/(481)	TP241	4.50	78200	Industrial	44400 [i]
		TP243*	4.30	87600	Old Domestic	
Petroleum Hydrocarbons						
1,2,4-Trimethylbenzene	5/(161)	BH231*	3.80	514	Non-Chalky Cover	39.4 [ii]
		BH231*	4.35	200	Non-Chalky Cover	
		GW203B	4.70	5570	Industrial	
		LW204	7.80	58.9	Construction	
		WS224	3.60	658	Construction	
TPH Aliphatic >C8-10	1/(208)	WS224	3.60	2320	Construction	2000 [ii]
TPH Aromatic >C21-35	1/(209)	LW204	7.80	10500	Construction	7820 [ii]

Contaminant	Number of exceedances/(total samples tested)	Location	Depth (mbgl)	Concentration (mg/kg)	Waste type	GAC (mg/kg)
Other organics						
Bis(2-chloroethoxy) methane	1/(158)	LW204	7.80	1.890	Construction	0.956 [ii]
Dibenzofuran	5/(158)	BH08	3.40	31.4	Construction	10.8 [i]
		BH225	3.10	93.8	Recent Domestic	
		TP213A	3.50	11.7	Industrial	
		TP232	2.30	12.4	Industrial	
		WS224	4.50	68.4	Construction	
Carbazole	2/(158)	BH225	3.10	53.7	Recent Domestic	10.8 [i]
		WS224	4.50	48.3	Construction	

Notes:
Green shaded cells indicate exceedances are within an order of magnitude of the GAC
Orange shaded cells indicate exceedance are within two orders of magnitude of the GAC
Red shaded cells indicate GAC is exceeded by more than two orders of magnitude of the GAC
[i] Public Open Space Park GAC
ii Commercial GAC
iii Public Open Space Maintenance Worker GAC
* Locations are within area which will be excavated to form the aviation platform
**GAC is based on chromium III, no exceedances of chromium VI GAC.

10.2.5 Comparison to the assessment criteria indicated the following for Area A:

a. Overall there was very few exceedances in relation to the number of tests undertaken. For all contaminants less than 3 % of the samples undertaken for analysis had exceedances.

b. The majority of the exceedances were within the construction waste type (40 %). Non-chalky cover, recent domestic and industrial waste types had 14 %, 15 % and 17 % of the overall exceedances respectively. The fewest exceedances were in the old domestic (11 %), commercial (1 %) and chalky cover (1 %) waste types.

c. Exceedances were mainly for polyaromatic hydrocarbons (PAHs) and metals. The risk driving pathway for these contaminants is through direct contact pathways such as dermal contact, soil ingestion and inhalation of soil derived dusts. These contaminants are not volatile and therefore do not pose a risk through inhalation of vapours.

d. The majority of the exceedances are within one order of magnitude of the GAC, with a number only marginally exceeding the criteria.

e. One marginal exceedance for beryllium was noted in the natural strata at BH228 (10.8m bgl). Future receptors will not come into contact with material at this depth and therefore it is not considered a potential risk.

f. Occasional exceedances were noted which were greater than one order of magnitude of the GAC for nickel, lead and 1,2,4-Trimethylbenzene. These occasional elevated concentrations reflect the variable nature of the waste. The main risk from lead and nickel

contamination is through direct exposure to the contaminant in the soils i.e. ingestion or inhalation of soil derived dusts. The exceedances were located at 6.4 m and 5.5 m respectively, any future receptors are unlikely to come into contact with contaminants at this depth. 1, 2, 4- Trimethylbenzene is a volatile aromatic hydrocarbon. The highest exceedances of this compound was at GW203B (4.7m bgl) and was co-located with other volatile compounds which exceeded their respective GACs i.e. naphthalene and 2-methylnaphthalene. The main risk driving pathways from these compounds is inhalation. The risks from soil vapours requires further consideration and is assessed further as part of a DQRA.

g. Overall the concentration of contaminants are not significantly elevated. The majority of contaminants present pose a risk through direct contact and as the development is largely hardstanding (see Figure 16) future users are unlikely to come into direct contact with the underlying material. However, given the heterogeneous nature of landfills and the lack of engineered cover system, it should be assumed that measures will be required, particularly in landscape areas, to prevent direct contact with the waste.

Acute assessment criteria

10.2.6 Comparison of the soil samples against the AGAC is shown in **Table 10.5.** The results only indicated one exceedance for arsenic of the oral criteria for a child trespasser within Area A. As previously discussed this scenario is considered unlikely. Appropriate measures should be undertaken during construction to ensure the site is secure and dusts are controlled. Based on the results of the acute assessment no special precautions, above and beyond best practice, are considered necessary during construction works to control potential acute risks.

Table 10.5 Comparison of maximum soil concentrations to AGAC

Contaminant	Receptor	Pathway	AGAC (mg/kg)	Max Recorded Value (mg/kg)	
				Area A	Airport Access Road
Arsenic	Child	Oral	80	113	17
		Dermal	7,000,000		
	Adult	Oral	7,000		
		Dermal	14,000,000		
Benzene	Child	Oral	47	0.37	<LOD
		Dermal*	14,000,000		
		Inhalation	190		
	Adult	Oral*	4,100		
		Dermal*	79,000,000		
		Inhalation	370		
Cadmium	Child	Oral	140	73.9	10.6
		Inhalation	1,800,000		
	Adult	Oral	12,000		

Contaminant	Receptor	Pathway	AGAC (mg/kg)	Max Recorded Value (mg/kg)	
				Area A	Airport Access Road
		Inhalation	3,500,000		
Free Cyanide	Child	Oral	24	<LOD	No Testing
		Inhalation	380		
	Adult	Oral	2,100		
		Inhalation	1,400		
Phenol	Child	Oral	2,000	370	No Testing
		Inhalation*	160,000		
	Adult	Oral*	175,000		
		Inhalation*	320,000		
Trichloroethene (TCE)	Child	Inhalation	16,000	0.24	<LOD
	Adult		33,000		
Vinyl Chloride	Child	Inhalation	110	<LOD	<LOD
	Adult		220		

Notes:
* AGAC likely to exceed soil saturation limits.
<LOD = all results less than Limit of Detection

Groundwater Vapour Assessment

10.2.7 Comparison of the perched groundwater samples against the GACgwvap is summarised **in Table 10.6.** The assessment was completed for Area A only no groundwater samples were obtained for the Airport Access Road and this PCL has been discounted for this area as there are no buildings or enclosed spaces planned. See **Appendix E** for the detailed assessment.

Table 10.6 Exceedances of contaminants in groundwater when compared to generic assessment criteria (GACgwvap).

Contaminant	Location	Installation response zone	Concentration (mg/l)	GAC (mg/l)
TPH >C10-C12 Aliphatic	WS224	1-5m	3.64	3.6*
			4.51	
1,2,4 Trimethylbenzene			4.49	2.2**
			3.04	

Notes:
* Solubility limit for contaminant is 0.034 mg/l
** Solubility limit for contaminant is 559 mg/l

10.2.8 The results for Area A indicated the following:

a. Only one location, WS224, had exceedances of contaminants in the perched groundwater when compared to the GACgwvap. This location is within the current Long Term Car Park (LTCP).

b. The solubility limit for TPH >C10-C12 aliphatic was exceeded, suggesting that free product may be present at this location. During the monitoring rounds a thin layer of product was consistently noted on the surface of the water at this location and the laboratory comments confirmed that this sample contained oil/product.

c. Observations from site during the GI works at location WS224 showed heavy black staining between 4-5m bgl **(Photograph 3),** suggesting the presence of localised product. An elevated PID reading of 185.6 ppm at 3.6m **bgl (see Table 4.4)** was also noted at this location.

d. No product was noted at any other locations within the LTCP. Therefore, this location appears to be an isolated hotspot.

e. WS224 is in proximity to the exacavation works for the aviation platform and there is the potential for the product present to be mobilised during the works and a pathway created to the underlying Chalk. Therefore, the free product at this location should be removed as part of the works. Any perched water in the material should also be removed. The material from this location is unlikely be suitable for reuse without treatment to remove the product present. The removal of this material should be included within the Remediation Strategy.

Photograph 3 Staining noted in core at location WS224 between 4-5m bgl

10.3 Asbestos

Area A

10.3.1 There are two identified potential sources of asbestos within Area A:

a. Former landfill - historically asbestos has been used in a wide range of products and forms. Therefore, there is the potential for asbestos products to be present in the landfill; and

b. Former scrap yard - the area which is currently occupied by Tidy Tip **(see Figure 4**) was identified in the PRA (Ref. 1) as historically been used as a scrapyard. Therefore, asbestos products may be presented

associated with clutch and brake linings. Any asbestos waste from the scrapyard may have been disposed of in the landfill and dispersed or may still be present locally in the area of the former scrapyard.

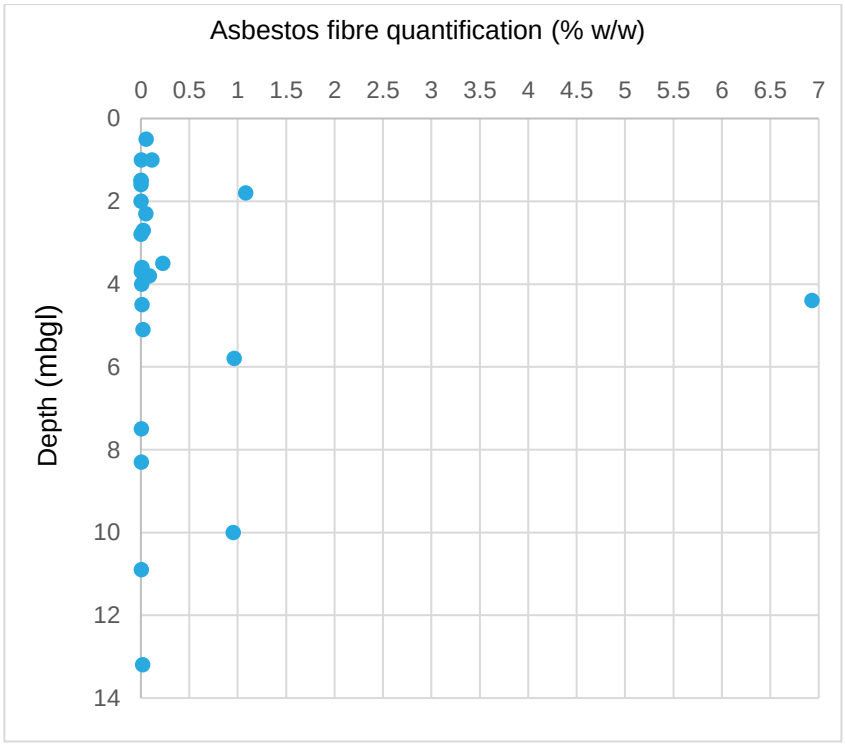
Former Landfill

10.3.2 Asbestos testing has been undertaken during both the preliminary and detailed GI. During the initial phase of investigation in 2016/17 asbestos testing was undertaken on 28 samples and was found to be present in three locations. Where asbestos was found, quantification was undertaken. Loose fibres of chrysotile were identified at LF-BH03, LF-BH07 and LF-BH08 and all were less than the limit of detection (<0.001% w/w).

10.3.3 Asbestos testing was undertaken on 355 samples and asbestos fibres/ACMs were visually identified and/or confirmed to be present in 73 samples. The asbestos was generally in the form of chrysotile or amosite fibres or combination of chrysotile and amosite. Only one sample proved positive for crocidolite, which was present combined with chrysotile.

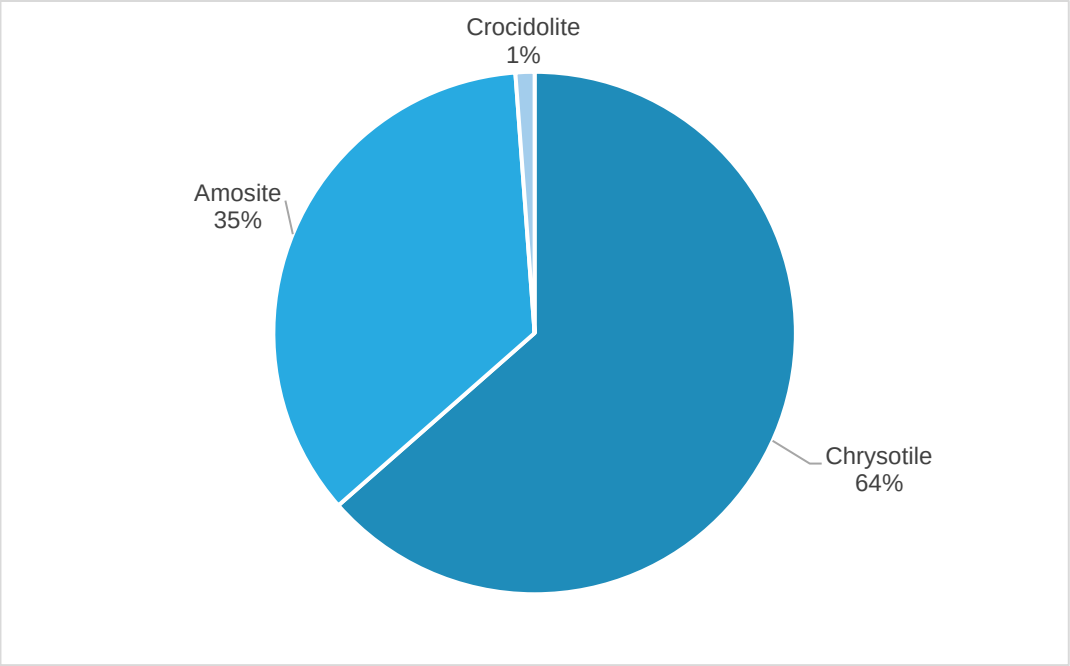
10.3.4 No asbestos caches or 'cells' of asbestos waste were identified, results indicate asbestos fibres and ACMs are dispersed throughout the landfill mass at various depths. Asbestos quantification was undertaken on 68 samples, the distribution of results is shown in **Drawing 11** and this indicates that higher asbestos fibre quantities were detected in the top 5m of the landfill. However, this is likely to be a result of the higher sampling frequency at this depth, see **Section 10.1.**

Drawing 11 Asbestos quantification in the landfill compared to depth



10.3.5 Chrysotile (white asbestos) was historically the most commonly used form of asbestos in the UK (Ref. 43). This is reflected in the results from the GIs which indicated 64% of the asbestos fibre detections were for chrysotile **(see Drawing 12).**

Drawing 12 Percentage of asbestos types identified during the GIs



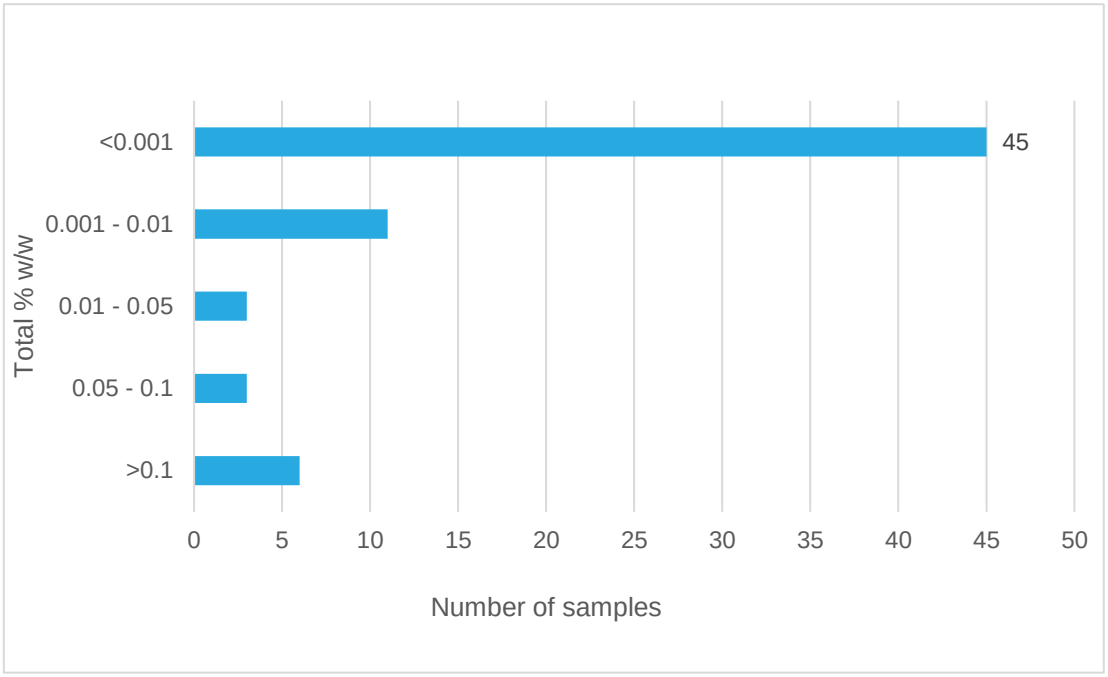
10.3.6 Asbestos was detected in all eras of waste **(see Table 10.7),** indicating its extensive use in products throughout the period of filling at the landfill. The highest fibre contents were seen in the 1960-1970 waste.

Table 10.7 Asbestos detections and fibre content by era of waste

Waste Era	No of samples	No. with asbestos fibres detected	% of detections	Min (%w/w)	Max (%w/w)
Pre 1947	7	3	43%	0.0037	0.963
1947-1955	7	2	29%	<0.001	0.001
1955-1960	17	2	12%	<0.001	0.0856
1960-1970	43	11	26%	<0.001	6.93
1970-1980	244	52	21%	<0.001	0.953

10.3.7 The results of the quantification analysis indicated that the asbestos fibre content was generally <0.001% (46 out of 68 samples). Only six samples had asbestos fibres content above the hazardous waste threshold of <0.1%. The results of the quantification analysis from the GIs is shown in **Drawing 13.**

Drawing 13 Total % w/w asbestos identified



10.3.8 Whilst the majority of the asbestos fibres in the soils detected were below 0.001% there are some higher results. In general, higher concentrations of asbestos in soil have the capacity to liberate higher concentrations of asbestos fibres into the air but this is also very dependent on the type of ACM present and its ability to release fibres.

Former Scrapyard

10.3.9 The former scrapyard was situated on the north western boundary of the landfill, in the location of the current Tidy Tip and is shown on aerial photography from late 1960s until early 1970s.

10.3.10 A ground investigation was undertaken in this area as part of work to examine the potential relocation of Hangar 24 (Ref. 44). During the GI 26 samples were tested for the presence of asbestos, eight samples positively identified the presence of asbestos (30% of samples). The results are shown in Table 10.8**Error! Reference source not found.**. The results of the quantification analysis indicated that the asbestos fibre content was generally <0.001%, only three were above the detection limit. Only one had asbestos fibres content above the hazardous waste threshold of <0.1 %.

10.3.11 It should also be noted that one location was terminated during the works (TP104) due to potential bundles of loose asbestos fibres at the base of the trial pit to prevent fibre release.

Table 10.8 Locations where asbestos was detected during the Hangar 24 GI (Ref. 44)

Location	Depth (m)	Asbestos detected	Form	Quantification (%w/w)
TP101	1.10	Chrysotile	Small bundles of fibres	<0.001
TP102	0.90	Amosite & Chrysotile	Bundles of fibres	0.008
			Cement	0.369
TP104	0.30	Amosite	Bundles of fibres	< 0.001
TP104	2.60	Chrysotile & Crocidolite	Cement	n/a
TP105	1.30	Chrysotile	Bundles of fibres	0.001
TP107	0.90	Amosite	Bundles of fibres	< 0.001
BH103	1.00	Amosite	Small bundles of fibres	<0.001

10.3.12 The nature of the asbestos encountered in the area of the former scrapyard appeared to be different from that encountered within the landfill, no visible bundles of fibres were noted in the landfill during the GI.

10.3.13 The presence of asbestos appears to be limited to the bunds on the boundary of the Tidy Tip site. Demolition or possible landfill type materials (including bricks, concrete, metal and plastic) were evident in all of the samples recording positive results. Based on a review of historical aerial photographs the material within the bund appears to have originated from the scrapyard.

Risk from Asbestos

10.3.14 Due to the nature of the works to be undertaken within Area A i.e. extensive excavation and the detection of some higher concentrations of asbestos fibres in the GIs, further assessment is required. The further assessment has been considered as part of a DQRA to understand whether specific remediation is required to address this risk prior to construction works.

Airport Access Road

10.3.15 Asbestos testing was undertaken on 53 samples across the route and asbestos fibres were confirmed to be present in 7 samples of Made Ground. The asbestos was generally in the form of chrysotile fibres with one occurrence of amosite fibres and amosite board. Four samples were measured to have a concentration of <0.001%, two samples with a concentration of 0.002% and one sample with 6.622%. No asbestos containing materials were recorded as part of the investigative works.

10.3.16 The distribution of the detected samples was typically limited between Dairyborn Escarpment/Airport Way and Percival Way/Presidents Way. A summary of detected asbestos is presented in **Table 10.9.**

Table 10.9 Locations where asbestos detected along the route of Airport access Road

Area	Location	Depth (mbgl)	Asbestos Type	Asbestos Identification	Asbestos Quantification	Site observations
Percival Way / Presidents Way	PFWS10	1.00	Loose Fibres	Chrysotile	<0.001	No visual ACM
	PFWS12	0.20	Loose Fibres	Chrysotile	<0.001	No visual ACM
	PFWS12	1.00	Loose Fibres	Chrysotile	0.002	No visual ACM
Dairyborn Escarpment/ Airport Way	PFCP60	0.30	Loose Fibres	Amosite	<0.001	No visual ACM
	PFWS41	1.50	Board (Loose Fibres)	Amosite	6.622	No visual ACM
	PFWS44	0.50	Loose Fibres	Chrysotile	0.002	No visual ACM
	PFWSHH01	0.50	Loose Fibres	Chrysotile	<0.001	No visual ACM

Risk from Asbestos

10.3.17 The greatest potential risks from asbestos will be during enabling and construction works, when soils are disturbed and may allow fibres to be released into ambient air. Further consideration of the potential risks from asbestos fibres should be undertaken at the detailed design stage to inform the risks to construction workers. The likely classification of works under the Control of Asbestos Regulations (Ref. 43) and risks to construction workers will need to be assessed using CL:AIRE's Joint Industry Working Group (JIWG) Decision Tools (Ref. 45) prior to any works.

10.4 Area A- PCBs

10.4.1 Using the PCDD, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario a HI was derived for Area A. The spreadsheets are provided in **Appendix E**. The HI for each of the samples is presented below in **Table 10.10.** None of the concentrations had a hazard index greater than 1.0 indicating that the concentrations are unlikely to pose a risk to future users of the site.

Table 10.10 Derived Hazard Index (HI) for PCDD, PCDF and dioxin like compounds in soils.

Location	Depth (mbgl)	Hazard Index (HI)
LFBH02	6.0	0.00
LFBH04	5.5	0.07
LFBH06	5.0	0.02
LFBH07	3.5	0.01
LFBH08	3.4	0.00
LFBH09	6.4	0.00

Location	Depth (mbgl)	Hazard Index (HI)
LFBH10	4.0	0.00
LFBH12	6.5	0.01
BH202A	8.6	0.00
BH207A	12.3	0.00
BH216	6.1	0.00
BH217	13.5	0.04
BH219	16.2	0.01
BH221	7.1	0.00
BH233	6.2	0.01
GW206	7.8	0.00
LW201	13.9	0.00
LW204	1.9	0.00
TP206	3.5	0.00
TP209	1.6	0.00
TP214	2.6	0.01
TP221	3.6	0.00
TP222	2.2	0.01
TP229	4.5	0.01
TP242	5.5	0.02
TP246	4.4	0.01
TP260	4.4	0.00
TP274	5.6	0.02
WS224	3.9	0.02

11 GROUND GAS RISK ASSESSMENT

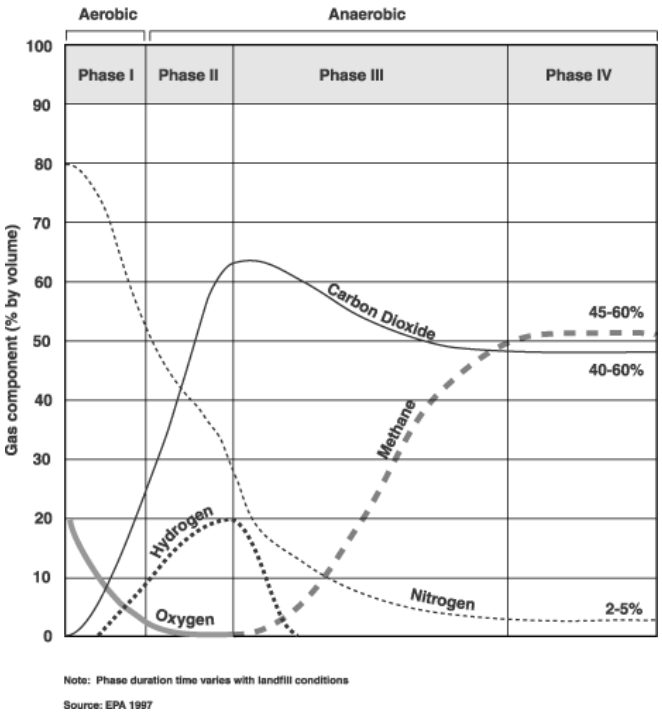
11.1 Introduction

11.1.1 There is known to be methane, carbon dioxide and potentially other trace gas present within Area A due to its former use as a landfill.

11.1.2 Landfill gas is a complex mixture of gases created by the action of microorganisms within a landfill. The volume that a landfill gases depends on its age, the decomposition status of the waste and the types of waste within it. Generally, more recently buried waste will produce more gas than older waste. Landfills usually produce appreciable amounts of gas within 1 to 3 years. Peak gas production usually occurs 5 to 7 years after wastes are dumped. Almost all gas is produced within 20 years after waste is dumped; however, small quantities of gas may continue to be emitted from a landfill for 50 or more years. The phases of landfill gas generation are shown in **Drawing 14.**

11.1.3 By volume, landfill gas typically contains 45% to 60% methane and 40% to 60% carbon dioxide. Landfill gas also includes small amounts of nitrogen, oxygen, ammonia, sulphides, hydrogen, carbon monoxide, and nonmethane organic compounds (NMOCs) such as trichloroethylene, benzene, and vinyl chloride.

Drawing 14 Phases of gas generation in a landfill



11.1.4 Significant depths of Made Ground have been recorded in certain areas of the Airport Access Road. However, the proposed access road does not include any buildings, as such there is no potential for accumulation of vapours or gases in indoor air. However, further GI and/or assessment

may be required at the detailed design stage to inform the risks to construction workers and future maintenance workers.

11.1.5 Other areas of Made Ground across the wider airport site may also be a potential source of ground gases, however these are considered to be less significant than the landfill. Therefore the following sections provide an assessment of Area A only.

11.2 Methodology

11.2.1 Current UK guidance on the monitoring of ground gas emissions, the associated assessment of risk and the implications for the design of new development is contained in the following principal documents:

a. CIRIA C665 2007, Assessing risks posed by hazardous ground gases to buildings (Ref. 46); and

b. British Standard, BS 8485:2015+A1:2019, Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings (Ref. 47).

11.2.2 In addition, reference has been made to the following document in order to inform the design of the gas monitoring regime:

a. Chartered Institute of Environmental Health (2008) The Local Authority Guide to Ground Gas (Ref. 28).

11.2.3 The results of the spot gas monitoring were assessed using the classification system presented within CIRIA C665 (Ref. 46) for Situation A, to provide an indication of the gassing regime at the site. The classification system uses gas concentrations and recorded flow rates for methane and carbon dioxide to determine a gas screening value (GSV). The GSV is calculated by multiplying the maximum recorded flow rate (l/hr) against the maximum recorded gas concentration (%) from all individual wells across the site to determine a value reflecting the 'worst credible' scenario. The GSV is used to determine a Characteristic Situation (CS) for the site. The CS is a qualitative method of defining the risk to a proposed development constructed on gassing ground. The CS ranges from 1 to 6, where 1 is very low risk and 6 is very high risk. The characteristic situations are shown below in **Table 11.1.**

Table 11.1 Characteristic situations used in ground gas assessment (Ref. 46)

CS (CIRIA 665)	Risk classification	Gas screening value (CH_4 or CO_2) (l/h)	Additional factors	Typical source of generation
1	Very low risk	<0.07	Typically CH_4 not to exceed 1 percent by volume and /or CO_2 not to exceed 5 percent by volume	Natural soils with low organic content

CS (CIRIA 665)	Risk classification	Gas screening value (CH_4 or CO_2) (l/h)	Additional factors	Typical source of generation
			otherwise consider increase to CS 2	"Typical" made-up ground
2	Low risk	<0.7	Borehole air flow rate not to exceed 70 l/hr otherwise consider increase to CS3	Natural soil, high peat/organic content
3	Moderate risk	<3.5		Old landfill, inert waste, mineworking flooded
4	Moderate to high risk	<15	Quantitative risk assessment required to evaluate scope of protective measures	Mineworking-susceptible to flooding, completed landfill.
5	High risk	<70		Mineworking unflooded inactive with shallow workings near surface
6	Very high risk	>70		Recent landfill site

11.2.4 The CIRIA C665 guidance document (Ref. 46) and Local Authority Ground Gas Guidance (Ref. 48) details the monitoring requirements for the period and frequency of monitoring for a low sensitivity (commercial) development with a high source gas generation potential. The requirements have been met as follows:

a. **Monitoring frequency** - the requirements detailed in CIRIA 665 are 12 monitoring occasions over a 12 month period with at least two sets of readings at low and falling atmospheric pressure (but not restricted to periods below <1,000 mb). The current spot monitoring data alongside the continuous monitoring data obtained during 2018 is considered sufficient to meet the requirements of CIRIA C665 and to inform the design of ground gas protection measures;

b. **Number of monitoring points within the landfill**- the requirements for number of monitoring points, frequency and duration of ground gas monitoring is detailed in a number of best practice guidance documents including CIRIA 665 and Local Authority Ground Gas Guidance. For older domestic landfills (moderate hazard potential) and low sensitivity of end use it details a spacing of 25-75 m spacing. The higher end of the spacing was adopted as continuous monitoring techniques, in

conjunction with conventional spot sampling give additional confidence in the ground gas regime. The 75 m spacing across 450,000 m^2 site is equal to 80 locations. 24 locations were undertaken in the preliminary GI and 55 locations during the detailed GI. A mixture of deeper (boreholes) and shallow locations (window samples) has been undertaken to profile the gassing occurring in the waste;

c. **Number of boundary monitoring points** - **Table 5.2** in the Local Authority ground gas guidance details recommended range of typical borehole spacing for boundary monitoring to assess off-site conditions. For fissure or fracture flow dominated permeable strata (for example blocky sandstone or igneous rock) and development within 150 m, the borehole monitoring spacing should be 5-20 m. A range of spacing has been used around the boundary depending on the proximity and sensitivity of the land use. Full details area provided in the GI strategy (Arup (2018)). The number of locations undertaken during the GIs meets the requirements of the guidance.

11.3 Results

Area A -Landfill

11.3.1 Gas measurements were taken from all monitoring wells installed within the landfill waste as follows:

a. Boreholes installed as part of 2016 Airport Access Road GI (Ref. 8) monitored on up to 8 occasions between October and November 2016;

b. Boreholes installed as part of 2017 landfill GI (Ref. 6) monitored on up to 4 occasions in 2017 and up to 12 monthly rounds between April 2018 and March 2019;

c. Boreholes installed as part of 2018 GI monitored on up to 6 occasions over a 3 month period following installation (Ref. 44); and

d. Continuous gas monitoring in 4 wells between August and October 2018 (Ref. 44).

11.3.2 Only the spot monitoring results have been considered in this GQRA. The continuous gas monitoring has been as part of a DQRA (Ref. 49) for Human Health, **Appendix 17-3** of the PEIR.

11.3.3 The analysis shown in **Table 11.2** and **Figure 17** indicates that the majority of gas spot monitoring results were considered to be CS2 with a few CS3 readings. The CS3 readings recorded were as a result of negative flow rates, which were considered to be a positive flow rate for the purposes of the initial assessment. Negative flow rates indicate that the gas pressures within the ground are below that of atmospheric pressure and can occur due rapid changes in atmospheric pressure. It is noted from the monitoring results that in many instances the negative flow rate was only recorded on initial opening of the gas tap. The effect of atmospheric pressure on the gas regime is more accurately measured with continuous gas monitoring. The detailed assessment of the effect of

atmospheric pressure and the gas regime of the site has been further considered as part of a DQRA.

11.3.4 The full gas results are presented in **Appendix F.**

Table 11.2 Ground gas assessment summary within landfill waste

Location	Maximum Recorded Value			GSV Methane (l/hr)	GSV Carbon Dioxide (l/hr)	Characteristic Situation (CS)
	Flow rate (l/hr)	Methane (%)	Carbon Dioxide (%)			
Spot monitoring data						
PFCPRC38[1]	0.4[2]	48.0	16.9	0.192	0.068	2
PFCPRC39[1]	6.0[2]	46.0	19.5	2.76	1.17	3
PFCPRC40[1]	5.7[2]	31.8	24.2	1.81	1.37	3
PFCPRC41[1]	1.8	59.8	20.8	1.07	0.37	3
PFCPRC41A[1]	3.3[2]	46.2	19.6	1.52	0.65	3
PFCPRC43[1]	0.3	42.7	25.8	0.13	0.077	2
PFCPRC44[1]	2.4[2]	31.0	23.5	0.74	0.56	2
LFBH03G[3]	0.1	51.8	21.8	0.052	0.022	2[4]
LFBH04G[5]	0.3	28.2	15.1	0.084	0.045	2
LFBH06[3]	0.3	56.3	20.3	0.17	0.061	2
LFBH07[3]	0.2	61.2	23.6	0.12	0.047	2
LFBH08G[3]	0.2	62.1	53.1	0.12	0.11	2
LFBH09[5]	0.1	43	15.9	0.043	0.016	2[4]
LFBH10GA[3]	0.1	40.5	7.6	0.041	0.008	2[4]
LFBH12A[3]	0.1	6.2	20.8	0.006	0.021	2[4]
PFWS58A[6]	0.1	2	4.9	0.002	0.005	2[4]
BWS212[6]	0.3	48.1	16	0.14	0.048	2
BWS216[6]	0.1	0.8	11.9	0.0008	0.012	2[4]
BWS217[7]	9[2]	25.6	6.9	2.3	0.621	3
WS201[6]	0.2	0.8	9.4	0.002	0.019	2[4]
WS203[6]	0.1	54.9	30.3	0.055	0.03	2[4]
WS204[6]	0.1	48.3	15.7	0.048	0.016	2[4]
WS205A[6]	0.1	64.5	48.3	0.065	0.048	2[4]
WS206A[6]	0.1	69.6	29.6	0.07	0.03	2
WS207[6]	0.1	40.6	17.2	0.041	0.02	2[4]
WS208[6]	0.1	65.2	30	0.065	0.03	2[4]
WS209[6]	0.1	59	34.3	0.059	0.03	2[4]
WS210[6]	0.1	64.5	25	0.065	0.025	2[4]

Location	Maximum Recorded Value			GSV Methane (l/hr)	GSV Carbon Dioxide (l/hr)	Characteristic Situation (CS)
	Flow rate (l/hr)	Methane (%)	Carbon Dioxide (%)			
WS211[6]	0.1	37.4	20.3	0.037	0.02	2[4]
WS212[6]	0.1	73.7	32.2	0.074	0.03	2
WS213[6]	0.1	56.2	27.3	0.056	0.03	2[4]
WS214[7]	4.6[2]	46.2	5.9	2.13	0.271	3
WS215A[6]	0.1	37	21.8	0.037	0.02	2[4]
WS216[6]	0.1	37.3	22.7	0.037	0.02	2[4]
WS217B[6]	0.1	0.9	6.6	0.001	0.007	2[4]
WS218[6]	0.1	52.3	23.6	0.052	0.024	2[4]
WS219[6]	0.1	53.6	25.9	0.054	0.026	2[4]
WS220[7]	0.4	72.9	23.2	0.292	0.093	2
WS221[6]	0.1	38.6	13	0.039	0.013	2[4]
WS222[7]	0.3	76.8	10.1	0.230	0.030	2
WS223[7]	0.9	42	8.8	0.378	0.079	2
WS224[7]	0.1	80.6	7.6	0.081	0.008	2
WS225[7]	0.8[2]	59.2	18.6	0.474	0.149	2
BH201[6]	0.1	32.2	25.5	0.032	0.026	2[4]
BH203[6]	0.1	45.7	21.2	0.046	0.021	2[4]
BH204[6]	0.3[2]	50.7	20.5	0.152	0.062	2
BH205A[6]	0.1	57.7	32.2	0.058	0.032	2[4]
BH207[6]	0.1	74	25.2	0.074	0.025	2
BH209[6]	0.1	68.9	47.6	0.069	0.048	2[4]
BH210[7]	0.6	64.2	12.5	0.39	0.08	2
BH212A[6]	0.1	37.4	29.6	0.037	0.030	2[4]
BH213[6]	0.1	59	24.7	0.059	0.025	2[4]
BH214[6]	0.1	41.6	33.4	0.042	0.033	2[4]
BH216[7]	0.7	57.4	16.8	0.4	0.12	2
BH217[7]	0.9	62.6	12.3	0.56	0.11	2
BH218[6]	0.1	68	28.6	0.068	0.029	2[4]
BH219[6]	0.1	26.6	22.4	0.027	0.022	2[4]
BH220[6]	0.1	56.4	27.6	0.056	0.028	2[4]
BH221[6]	0.1	29.3	18.7	0.029	0.019	2[4]
BH222[7]	0.1	73.4	17.1	0.073	0.017	2
BH223[7]	0.1	74.5	60	0.075	0.06	2

Location	Maximum Recorded Value			GSV Methane (l/hr)	GSV Carbon Dioxide (l/hr)	Characteristic Situation (CS)
	Flow rate (l/hr)	Methane (%)	Carbon Dioxide (%)			
BH225[6]	0.2[2]	26.3	18.9	0.053	0.038	2[4]
BH226[6]	0.1	14.9	17.1	0.015	0.017	2[4]
BH227[7]	0.1	34.4	16.4	0.034	0.016	2[4]
BH228[7]	0.2[2]	45.2	16.7	0.09	0.033	2
BH229[6]	0.1	43.9	27.3	0.044	0.027	2[4]
BH231[7]	0.2	75.6	8.2	0.151	0.016	2
BH232[7]	0.1	60.7	18.1	0.061	0.018	2[4]
BH233[6]	0.1	16.6	18.6	0.017	0.019	2[4]

[1] Well monitored on up to 8 occasions October 2016 to November 2016
[2] Maximum flow rate recorded was a negative pressure. For purposes of this assessment the flow rate was assumed to be positive pressure for a conservative initial assessment
[3] Well monitored on up to 4 occasions in 2017, and on up to 12 monthly rounds between April 2018 and March 2019
[4] Characteristic Situation increased to CS2 based on elevated methane and/or carbon dioxide concentrations due to presence of potential high risk gas source.
[5] Well monitored on up to 4 occasions February to May 2017
[6] Well monitored on up to 6 occasions August to October 2018
[7] Well monitored on up to 7 occasions January to March 2019
[8] Continuous gas monitoring for 12 weeks between August and October 2018

Outside landfill

11.3.5 Outside of the landfill includes perimeter wells and monitoring wells along the proposed Airport Access Road alignment. The concentrations of gas recorded are low, with the general exception of BWS203, BWS211, BWS214, BBH209, BBH210 and LF-BH05G, which are all located adjacent to the landfill boundary. LF-BH05G and BBH210 are located within an area which has a significant thickness of Made Ground. Flow rates across the holes were low. The analysis shown in **Table 11.3** indicates that the area outside the landfill ranges from CS1 to CS2, which is considered low risk, although care should be taken during the design and construction phases of the development to ensure that no preferential pathways are created.

Table 11.3 Ground gas assessment summary outside landfill waste

Location	Maximum Recorded Value			GSV Methane (l/hr)	GSV Carbon Dioxide (l/hr)	Characteristic Situation (CS)
	Flow rate (l/hr)	Methane (%)	Carbon Dioxide (%)			
Spot monitoring						
GW201 (gas)[1]	0.1	0.9	5.6	0.0009	0.006	1
BWS203[1]	0.1	4.1	12.2	0.004	0.012	2[2]
BWS206[1]	0.2	0.5	3.2	0.001	0.006	1

Location	Maximum Recorded Value			GSV Methane (l/hr)	GSV Carbon Dioxide (l/hr)	Characteristic Situation (CS)
	Flow rate (l/hr)	Methane (%)	Carbon Dioxide (%)			
BWS207[1]	0.2	0.5	1	0.001	0.002	1
BWS209[1]	0.2	0.5	5.9	0.0001	0.012	1
BWS210[1]	0.2	0.4	0.9	0.0008	0.002	1
BWS211[1]	0.2	54.4	29.7	0.109	0.059	2
BWS213[1]	0.1	0.7	23	0.0007	0.023	2[2]
BWS214[1]	0.1	9.3	12.7	0.009	0.013	2[2]
BWS218[1]	0.2	0.4	1.1	0.0008	0.002	1
BBH204[1]	0.2	0.5	3.6	0.001	0.007	1
BBH209[1]	0.1	27.7	20.5	0.028	0.021	2[2]
BBH210[1]	0.2[3]	9.3	3.3	0.019	0.007	2[2]
LFBH01[8]	0.1	0.1	5.4	0.0001	0.005	1
LFBH05[8]	0.2	0.4	1.1	0.0008	0.002	1
LFBH05G[4]	0.1	8.7	9.7	0.009	0.01	2[2]
LFBH10[8]	0.1	<0.1	2.6	0.0001	0.003	1
LFBH13[8]	0.1	0.2	1.7	0.0002	0.002	1
H24-BH101[5]	6	<0.1	2.9	0.006	0.174	2
H24-BH102[5]	0.1	<0.1	0.6	0.0001	0.0006	1
MPT-BH101-Deep[6]	0.1	0.1	2.8	0.0001	0.003	1
MPT-BH101-Shallow[6]	0.1	<0.1	3	0.0001	0.003	1
MPT-BH102-Shallow[6]	0.1	<0.1	0.7	0.0001	0.0007	1
MPT-BH105[6]	0.1	<0.1	2.7	0.0001	0.003	1
MPT-BH116-Deep[6]	0.5[3]	<0.1	0.7	0.0005	0.004	1
MPT-BH116-Shallow[6]	0.2	<0.1	0.1	0.0002	0.0002	1
MPT-BH117[6]	0.2	<0.1	1.8	0.0002	0.004	1
CP-BH11[7]	0.1	<0.1	2	0.0001	0.002	1
CP-BH12[7]	0.1	<0.1	3.7	0.0001	0.004	1
CP-BH24[7]	0.1	0.1	2.5	0.0001	0.003	1
CP-BH27[7]	0.6	0.1	1.4	0.0006	0.008	1
CP-BH29[7]	0.1	0.1	1.8	0.0001	0.002	1

Location	Maximum Recorded Value			GSV Methane (l/hr)	GSV Carbon Dioxide (l/hr)	Characteristic Situation (CS)
	Flow rate (l/hr)	Methane (%)	Carbon Dioxide (%)			
CP-BH32[7]	0.1	0.1	1.2	0.0001	0.001	1
CP-BH50[7]	0.1	0.2	1.3	0.0002	0.001	1
CPBH51[7]	0.1	0.1	1.7	0.0001	0.002	1
CP-BH55[7]	0.1	0.1	2.2	0.0001	0.002	1
PFCP31[9]	0.1	<0.1	0.6	0.0001	0.0006	1
PFCP33[9]	0.2	<0.1	0.3	0.0002	0.0006	1
PFCP36[9]	0.2	<0.1	6.2	0.0002	0.012	1
PFCPRC02[9]	0.2	0.1	2.2	0.0001	0.004	1
PFCPRC07[9]	0.2	<0.1	1.2	0.0002	0.002	1
PFCPRC18[9]	0.2[3]	<0.1	2.4	0.0002	0.005	1
PFCPRC24[9]	0.4[3]	<0.1	0.5	0.0004	0.002	1
PFCPRC25[9]	0.2	<0.1	4.1	0.0002	0.008	1
PFCPRC27[9]	0.1[3]	<0.1	0.3	0.0001	0.0003	1
PFCPRC46[9]	0.8[3]	0.1	2.7	0.0008	0.022	1
PFWS02[9]	0.2	<0.1	6.2	0.0002	0.012	1
PFWS04[9]	0.1	<0.1	3.1	0.0001	0.003	1
PFWS05[9]	0.2	<0.1	2.8	0.0002	0.006	1
PFWS08[9]	1.1	<0.1	4.2	0.001	0.046	1
PFWS13[9]	0.3[3]	<0.1	2.7	0.0003	0.008	1
PFWS26[9]	0.1	<0.1	2.8	0.0001	0.003	1
PFWS30	0.1	<0.1	0.8	0.0001	0.0008	1
Concept-BH01[10]	0.1	<0.1	0.5	0.0001	0.0005	1
Concept-BH04[10]	0.1	<0.1	2.3	0.0001	0.0023	1
Concept-BH06[10]	0.1	<0.1	0.4	0.0001	0.0004	1
Concept-BH07A[10]	0.1	<0.1	0.5	0.0001	0.0005	1
Concept-BH08[10]	0.1	<0.1	7.9	0.0001	0.008	1
Concept-WS05[10]	0.1	<0.1	<0.1	0.0001	0.0001	1

Location	Maximum Recorded Value			GSV Methane (l/hr)	GSV Carbon Dioxide (l/hr)	Characteristic Situation (CS)
	Flow rate (l/hr)	Methane (%)	Carbon Dioxide (%)			
Concept-WS03[10]	0.1	<0.1	0.3	0.0001	0.0003	1

[1] Well monitored on up to 6 occasions August to October 2018

[2] Characteristic Situation increased to CS2 based on elevated CH4 and/or CO2 concentrations due to presence of potential high risk gas source.

[3] Maximum flow rate recorded was a negative pressure. For purposes of this assessment the flow rate was assumed to be positive pressure for a conservative initial assessment

[4] Well monitored on up to 4 occasions in 2017, and on up to 12 monthly rounds between April 2018 and March 2019

[5] Well monitored on up to 6 occasions October 2017 to January 2018

[6] Well monitored on up to 8 occasions January to March 2017

[7] Well monitored on up to 5 occasions October to December 2016

[8] Well monitored on up to 5 occasions November 2016 to May 2017

[9] Wells monitoring on up to 9 occasions October to November 2016

[10] Wells monitored on up to 4 occasions November 2014 to February 2015

12 CONTROLLED WATERS GENERIC QUANTITATIVE RISK ASSESSMENT

12.1 Methodology

12.1.1 The potential pollution risks to controlled waters have been assessed in accordance with the Environment Agency's Remedial Targets Methodology (RTM) (Ref. 50).

12.1.2 The first stage of risk assessment comprises an initial screening of the contaminants to identify those which are at concentrations above screening criteria and warrant further detailed investigation. The landfill site is considered to be the main source of potential contamination within the Main Application site.

Area A

12.1.3 The most sensitive controlled water receptor is considered to be groundwater within the chalk principal aquifer which is abstracted for public water supply. The nearest abstraction is located at Kings Walden 1.5km northeast of the Main Application Site boundary (approximately 2.8 km from the boundary of the landfill). A private water supply abstraction well is located at approximately the same distance as the Kings Walden abstraction, to the north east and a second private groundwater abstraction within the Mimram catchment is 1.5km south east of the Main Application Site. The nearest surface waterbody down-gradient of the landfill is the River Mimram 6 km to the southeast. As the river is a considerable distance from the site it has not been considered to be a receptor.

12.1.4 The GQRA has considered available contaminant data (soil and leachate) from within the landfill waste and groundwater data from the chalk aquifer.

Airport Access Road

12.1.5 No groundwater sampling or soil leachate testing was undertaken as part of the GI on the proposed New Road. It is not envisaged that the proposed earthworks will interact with the groundwater which is approximately 40m bgl. However, this will need to be reviewed at the detailed design stage. Therefore no further assessment is required for controlled water risks this stage.

12.1.6 The drainage strategy for the road will also be undertaken at the detailed design stage but it should ensure that no infiltration will occur across the landfill area or in other areas of Made Ground along the alignment.

Groundwater assessment

12.1.7 The screening criteria used for assessing the data, and for deriving remedial targets, were based on published water quality guideline values. As the chalk aquifer is used for public water supply, UK Drinking Water Standards (DWS) were used. Where DWS have not been derived for

certain contaminants the following hierarchy was followed when selecting suitable screening criteria:

a. Freshwater EQS (FEQS);
b. World Health Organisation (WHO); and
c. United States Environmental Protection Agency (USEPA)

12.1.8 In some cases, no standard was available, therefore a substitute screening value from the same group of contaminants with similar or higher mobility in groundwater was applied. Justification for all of the screening values used in the controlled waters assessment are provided in **Appendix G**

12.1.9 The available groundwater data which has been screened as part of this GQRA is summarised in **Table 12.1.**

Table 12.1 Data used in GQRA to assess contaminants in groundwater in the chalk **(see Figure 9 and 10 for locations)**

Data	Source	Purpose
Groundwater beneath the landfill (Mimram catchment)	2017 and 2018 GI and long-term monitoring data	Groundwater quality in the chalk aquifer directly beneath the landfill has been assessed to determine if there is any evidence of impact to groundwater as a result of leaching of contaminants from the landfill
Groundwater upgradient of the landfill (Mimram catchment)	Data from GW201 and GW202 monitored as part of 2018 GI	To provide background groundwater quality and assess if there is evidence of contaminant migration within the chalk from off-site sources
Groundwater down-gradient of the landfill (Mimram catchment)	2017 and 2018 monitoring data from wells installed to east and southeast of the landfill site	To assess if there is evidence of any significant migration of contaminants down gradient which could be attributed to the landfill or wider airport area.
Groundwater from wider airport site (Lee catchment)	Concept 2015 and MPT 2017 GI monitoring data	Not used in GQRA but has been used to inform background quality measurements in the wider area (see **Table 6.2).** Limited groundwater sampling beneath the wider airport area was undertaken during 2015 and 2017. The landfill site lies within the Mimram catchment and therefore the data from this catchment is considered the most representative to assess the potential impacts of the landfill

Soil, soil leachate and leachate assessment

12.1.10 In addition to the groundwater data, the following has also been assessed:

a. the soil/ landfill waste chemical data to determine the potential for this material to leach to groundwater;

b. soil leachate data, which are tests undertaken to confirm the leaching potential of the soil/landfill waste material; and

c. landfill leachate and perched groundwater within the landfill collected from wells on site.

12.1.11 **Table 12.2** summarises the data used, and the methodology used to assess this data.

Table 12.2 Data and approach used in soil, soil leachate and landfill leachate assessment

Data	Source	Assessment approach
Total soil concentrations within landfill waste	2017 and 2018 GI	Data compared to soil screening values calculated from controlled waters screening criteria (see methodology in 13.1.10 below)
Soil leaching tests (10:1) within landfill waste	2017 and 2018 GI	Data compared directly to controlled waters screening criteria
Leachate quality data	Leachate monitoring wells, 2017 and 2018 GIs	
Perched groundwater quality data	Perched groundwater samples from wells located within landfill waste, 2018 GI	

12.1.12 To determine the risk to groundwater of contaminants leaching from the soil, the groundwater screening values were first converted to soil screening values using the Level 1 equation in the Environment Agency RTM re-arranged as follows:

$$Cs = Cl \times \left[\frac{Kd + (\emptyset w + \emptyset a \times H)}{P}\right]$$

Where:

Cs = soil concentration (mg/kg)

Cl = target concentration for water (mg/l)

Kd = partition coefficient (l/kg)

θw = water filled porosity (fraction)

θa = air filled porosity (fraction)

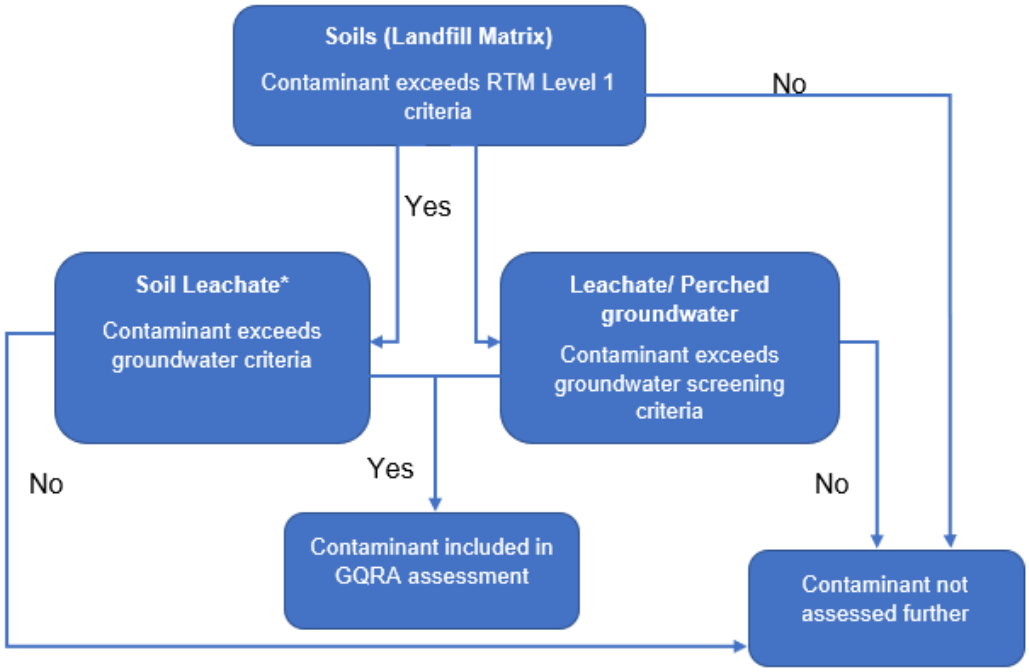
H = Henry's Law constant (dimensionless)

P = soil dry density (g/cm³)

12.1.13 The methodology follows the guidance for RTM Level 1 Soil (Ref. 50). This considers whether leaching of contaminants from the Made Ground within the landfill poses a risk to the receptor, while ignoring dilution, dispersion and attenuation along the pathway.

12.1.14 Comparison of soil concentrations to soil screening values based on theoretical calculations is conservative and concentrations often exceed the criteria. The soil leachate and leachate/perched groundwater data available is considered to be a more realistic representation of potential contaminants in the landfill which could pose a risk to controlled waters. In order to determine the key contaminants of concern for the assessment the contaminants which exceeded the RTM Level 1 values were then compared to soil leachate and leachate/perched ground. The process of selecting the key contaminants of concern is shown in **Drawing 16.**

Drawing 15 Process for selecting key contaminants of concern in the soils (landfill matrix)



*Due to the nature of the analysis, soil leachate testing is only valid for metals and inorganic contaminants

Statistical analysis

12.1.15 Statistical analysis has been used within the controlled waters GQRA in order to determine whether contaminant exceedances were considered

statistically insignificant (i.e. rare exceedance) or likely to pose a risk to controlled waters. When calculating the statistics, where concentrations were below the laboratory limit of detection (LOD) the LOD value was used.

12.1.16 The statistical analysis has been used to determine whether further assessment beyond GQRA is required for specific contaminants. The criteria for determining whether contaminants require further DQRA is in **Table 12.3.**

Table 12.3 Criteria for determine whether further controlled water assessment is required for contaminants

Criteria	Action
No samples exceed the criteria value	No further assessment required
97th percentile concentration less than criteria value	No further assessment required
97th percentile concentration less than 2x criteria value	Requires further review
97th percentile concentration less than 10x criteria value	Requires further review / likely to require DQRA
97th percentile concentration greater than 10x criteria value	Likely to require DQRA

12.2 Results

Groundwater

12.2.1 This section presents the results of the screening assessment of groundwater samples collected from the chalk principal aquifer. and the follows the guidance for RTM Level 2 Groundwater assessment. This considers an assessment of groundwater beneath the site to determine if groundwater has been impacted by contaminants which may have leached from the landfill or sourced from other parts of the airport or the wider Luton area.

12.2.2 The results of the screening assessment for contaminants within the groundwater are presented in in **Appendix G.**

12.2.3 A summary of the contaminants with concentrations exceeding the screening values within the groundwater is presented in **Table 12.4 to Table 12.8.**

Table 12.4 Summary of groundwater concentrations of **metal and organotin** contaminants which exceed the screening criteria

Contaminant	Units	Screening criteria value	Criteria source	Groundwater beneath landfill				Groundwater down gradient of landfill				Groundwater up-gradient of landfill			
				No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max
Boron	µg/l	1,000	DWS	61	7	1,502	4,060	121	1	645.2	1,100	6	0	39.8	40
Hexavalent chromium	µg/l	3.4	FEQS	80	0	-	<LOD	121	2	10	17	6	0	-	<LOD
Iron	mg/l	0.2	DWS	80	9	0.42	0.7	155	2	0.16	0.42	6	2	0.55	0.58
Manganese	µg/l	50	DWS	80	50	818	964	155	26	146.9	950	6	6	603	641
Mercury	µg/l	1	DWS	79	3	0.98	3.9	165	2	0.588	2.15	6	0	0.01	0.014
Nickel	µg/l	20	DWS	80	4	22.6	25	165	2	13	30	6	0	3.93	4.11
Selenium	µg/l	10	DWS	80	2	5.8	11	165	0	3.4	9.8	6	0	2.32	2.56
Tributyltin compounds	ng/l	0.2	FEQS	80	0	-	<LOD	130	0	-	<LOD	6	1	4.79	5.11
Dibutyltin	ng/l	0.2	FEQS	80	0	-	<LOD	130	2	10	600	6	0	-	<LOD

Legend: green (97th percentile < criteria, maximum>criteria); Yellow (97th percentile <2x criteria); Orange (97th <10x criteria); Red (97th percentile >x10 criteria)

Table 12.5 Summary of groundwater concentrations of **inorganic** contaminants which exceed the screening criteria

Contaminant	Units	Screening criteria value	Criteria source	Groundwater beneath landfill				Groundwater down gradient of landfill				Groundwater up-gradient of landfill			
				No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max
Sulphate	mg/l	250	DWS	80	4	270	319	155	0	53.68	94	6	0	32.4	33.6
Chloride	mg/l	250	DWS	80	4	257	361	155	0	120	200	6	0	107	108
Ammoniacal nitrogen	mg/l	0.39	DWS	80	18	2.37	5.93	155	22	1.9	7.2	6	2	0.432	0.433
Thiocyanate	mg/l	0.05	DWS	80	2	0.20	0.21	122	2	0.20	0.31	6	0	-	<LOD
Nitrate as NO3	mg/l	50	DWS	80	9	67.8	88.3	155	10	60.0	71.1	6	0	5.17	5.23
Nitrite as NO2	mg/l	0.5	DWS	80	2	0.9	1.04	155	4	0.42	12	6	2	0.833	0.832

Legend: green (97th percentile < criteria, maximum >criteria); Yellow (97th percentile <2x criteria); Orange (97th <10x criteria); Red (97th percentile >x10 criteria)

Table 12.6 Summary of groundwater concentrations of **petroleum hydrocarbon** contaminants which exceed the screening criteria

Contaminant	Units	Screening criteria value	Criteria source	Groundwater beneath landfill				Groundwater down gradient of landfill				Groundwater up-gradient of landfill			
				No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max
TPH >C21-C35 aliphatics	µg/l	300	WHO	80	2	1443	1,530	132	0	-	<LOD	6	5	1,518	1,710
TPH >C16-C21 aromatics	µg/l	90	WHO	75	0	-	<LOD	136	0	10	19	6	1	100.9	103
TPH >C21-C35 aromatics	µg/l	90	WHO	75	0	10	50	136	0	10	31	6	2	509	546
Legend: green (97th percentile < criteria, maximum >criteria); Yellow (97th percentile <2x criteria); Orange (97th <10x criteria); Red (97th percentile >x10 criteria)															

Table 12.7 Summary of groundwater concentrations of **PAH, phenol, VOC and SVOC** contaminants which exceed the screening criteria

Contaminant	Units	Screening criteria value	Criteria source	Groundwater beneath landfill				Groundwater down gradient of landfill				Groundwater up-gradient of landfill			
				No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max
Phenol (SVOC)	µg/l	7.7	FEQS	80	0	3.46	4.25	152	0	-	<LOD	6	1	16.9	19.7
Fluoranthene	µg/l	0.0063	FEQS	80	8	0.01	0.04	162	0	-	<LOD	6	5	0.47	0.48
Benzo(b) fluoranthene	µg/l	0.1	DWS	80	0	-	<LOD	162	0	-	<LOD	6	3	0.76	0.788
Benzo(k) fluoranthene	µg/l	0.1	DWS	80	0	-	<LOD	162	0	-	<LOD	6	3	0.31	0.317
Benzo(a) pyrene	µg/l	0.01	DWS	80	0	0.0033	0.00408	162	0	-	<LOD	6	4	0.56	0.57
Indeno(1,2,3-cd)pyrene	µg/l	0.1	DWS	80	0	-	<LOD	162	0	-	<LOD	6	3	0.24	0.243
Benzo(ghi)perylene	µg/l	0.1	DWS	80	0	-	<LOD	162	0	-	<LOD	6	3	0.37	0.378
Vinyl chloride	µg/l	0.5	DWS	80	15	6.26	7.1	152	0	-	<LOD	6	0	-	<LOD

Contaminant	Units	Screening criteria value	Criteria source	Groundwater beneath landfill				Groundwater down gradient of landfill				Groundwater up-gradient of landfill			
				No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max
1,1-Dichloroethane	µg/l	3	DWS	80	4	1	5	152	0	1	2.1	6	0	-	<LOD
1,2-Dichloroethane	µg/l	3	DWS	80	11	4.83	7.44	152	0	-	<LOD	6	0	-	<LOD
Trichloroethene	µg/l	10	DWS	80	24	11.03	131	152	2	6.26	60.5	6	0	-	<LOD
Bis(2-ethylhexyl) phthalate	µg/l	8	WHO	80	1	6.92	89	152	0	2	5.9	6	0	-	<LOD
Legend: green (97th percentile < criteria, maximum >criteria); Yellow (97th percentile <2x criteria); Orange (97th <10x criteria); Red (97th percentile >x10 criteria)															

Table 12.8 Summary of groundwater concentrations of **pesticides/herbicides and PFAS** contaminants which exceed the screening criteria

Contaminant	Units	Screening criteria value	Criteria source	Groundwater beneath landfill				Groundwater down gradient of landfill				Groundwater up-gradient of landfill			
				No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max
PFOS	µg/l	0.01	DWS (T2)	61	22	0.15	0.19	110	54	0.23	0.33	10	1	0.01	0.0102
PFOA	µg/l	0.01	DWS (T2)	62	15	0.14	0.17	110	43	0.13	0.14	10	3	0.02	0.02
PFOS	µg/l	0.1	DWS (T3)	61	7	0.15	0.19	110	24	0.23	0.33	10	0	0.01	0.0102
PFOA	µg/l	0.1	DWS (T3)	62	9	0.14	0.17	110	9	0.13	0.14	10	0	0.02	0.02
PFOS	µg/l	1	DWS (T4)	61	0	0.15	0.19	110	0	0.23	0.33	10	0	0.01	0.0102
PFOA	µg/l	1	DWS (T4)	62	0	0.14	0.17	110	0	0.13	0.14	10	0	0.02	0.02
Metaldehyde	µg/l	0.1	DWS	45	6	0.4	0.4	111	20	0.54	1	0	-	-	-
Metoxuron	µg/l	0.1	DWS	75	0	-	<LOD	121	1	0.2	4.9	6	0	-	<LOD
Atrazine	µg/l	0.1	DWS	75	2	0.09	0.155	121	18	0.15	0.18	6	5	0.55	0.59
Simazine	µg/l	0.1	DWS	75	0	0.04	0.05	121	0	0.09	0.1	6	3	0.14	0.141
Mecoprop	µg/l	0.1	DWS	75	29	0.6	0.841	121	15	0.22	0.49	6	0	0.037	0.04

Contaminant	Units	Screening criteria value	Criteria source	Groundwater beneath landfill				Groundwater down gradient of landfill				Groundwater up-gradient of landfill			
				No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max
Dichlorprop	µg/l	0.1	DWS	75	2	0.07	0.457	121	0	0.02	0.05	6	0	0.01	0.01
Dicamba	µg/l	0.03	DWS	75	1	0.02	0.11	121	1	0.02	0.12	6	0	-	<LOD
2,4-D	µg/l	0.1	DWS	75	0	-	<LOD	121	1	0.02	0.12	6	0	-	<LOD
Bentazone	µg/l	0.1	DWS	75	0	-	<LOD	121	1	0.04	0.25	6	0	-	<LOD
Triclorpyr	µg/l	0.1	DWS	75	0	-	<LOD	121	1	0.02	0.59	6	0	-	<LOD
Azinphos-methyl	µg/l	0.1	DWS	80	0	-	<LOD	130	0	-	<LOD	6	0	-	<LOD
Diuron	ng/l	100	DWS	75	13	230	290	121	11	154.3	200	6	0	89.4	90
Monuron	ng/l	100	DWS	75	4	137	260	121	0	50	64	6	0	84.5	87
Legend: green (97th percentile < criteria, maximum >criteria); Yellow (97th percentile <2x criteria); Orange (97th <10x criteria); Red (97th percentile >x10 criteria)															

12.2.4 Several groundwater samples contained contaminants that exceeded the groundwater criteria both from beneath the landfill site and from adjacent areas **(see Table 12.4-Table 12.8).** The following is noted about these exceedances:

Metals, Organotins and inorganics

a. Concentrations of manganese were elevated in a number of samples directly beneath the landfill and in some samples down-gradient. Manganese can be elevated due to natural impurities in the Chalk, however as the maximum concentrations recorded in groundwater beneath the landfill are above the background concentrations it is considered that this requires further assessment.

b. Hexavalent chromium and dibutyltin were not detected in the groundwater directly beneath the landfill. However, two samples of hexavalent chromium and dibutyltin down-gradient of the landfill exceeded the screening criteria. Hexavalent chromium was detected in BH51 and BH13 on one occasion (on 14/04/2018 and 08/08/2018 respectively) all other occasions it was below limit of detection. Dibutyltin was detect in BH01 and BH13 on one occasion (both on 07/03/2017), all other occasions it was below limit of detection. Given that these contaminants are not being continuously detected, despite significant monitoring being undertaken and appear to be random spikes they are not considered significant and therefore further assessment is not required. This is in accordance with the government published groundwater protection guidance (Ref. 51).

c. Tributyltin was only detected up-gradient of the landfill on one occasion in GW201 and not in the groundwater directly beneath the landfill or

down-gradient. Therefore, the landfill is not considered to be the source of the concentrations detected at this location and further assessment is not required.

d. Mercury and selenium recorded a few marginal exceedances in the groundwater directly beneath the landfill and in the case of mercury two exceedances down gradient of the landfill. For both of these contaminants the 97th percentile concentration was less that the criteria value, indicated marginal sporadic exceedances. Therefore, further assessment of these contaminants is required.

e. Several other metals (iron and nickel and boron) recorded exceedances within groundwater directly beneath the landfill and/or down-hydraulic gradient for which the 97th percentile was greater than two times the criteria value. Therefore, these contaminants require further assessment.

f. Ammoniacal nitrogen is often found in landfill leachate and therefore the exceedances recorded in groundwater below the landfill may indicate the presence of leachate in the groundwater and therefore requires further assessment. Ammoniacal nitrogen was recorded in some wells immediately down-gradient of the landfill which suggests some migration of this contaminant may be occurring **(see Figure 18).** Therefore, this contaminant requires further assessment.

g. Nitrate and nitrite are present in the groundwater both beneath the landfill and down-gradient. These are compounds which can occur naturally, but can also be present in elevated concentrations due to anthropogenic sources and the decomposition of organic material in soils. Ammoniacal nitrogen also oxidises to form nitrate and nitrite. These compounds can therefore be both an indicator of the presence of landfill leachate, and be common in agricultural areas. The concentrations of nitrate recorded beneath the landfill may indicate the presence of landfill leachate, however the concentrations down-hydraulic gradient show minimal impact. Therefore this contaminant requires further assessment.

h. Marginal exceedances of both chloride and sulphate were recorded below the landfill, however the exceedances were only in a low number of samples and therefore further assessment is not considered necessary.

i. Two exceedances of thiocyanate were noted in groundwater below the landfill and two down-gradient. The exceedances were noted in different locations on individual monitoring rounds, all other occasions it was below limit of detection. Given that thiocyanate is not being continuously detected, and significant monitoring has been undertaken, the detections appear to be random spikes and are not considered significant and therefore further assessment is not required.

Petroleum hydrocarbons, PAHs, Phenols, VOCs and SVOCs

a. TPH Aliphatic >C21-C35 was detected in groundwater directly beneath the landfill in GW206 on two occasions (13/02/2019 and 07/03/2019), it was not detected in any of the subsequent monitoring rounds. No other TPH fractions were detected in the groundwater beneath the landfill. Guidance on hydrocarbons in groundwater indicates that TPH Aliphatic C21-35 has a very low mobility in groundwater (Ref. 52.) This is supported by the fact it was not detected in groundwater down-gradient of the landfill. Given that it is not being continuously detected, despite significant monitoring being undertaken and it has very low mobility in groundwater the exceedances are not considered significant and no further assessment is required.

b. Exceedances of TPH Aromatic >C16-21 and >C21-35 were recorded in samples obtained from the up-gradient background wells but not in groundwater directly beneath the landfill, which indicates there may be a localised off-site source of TPH. Therefore, the landfill is not considered to be the source of these exceedances and further assessment is not required.

c. Elevated concentrations of phenol and several PAH compounds (benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, benzo(g,h,i) perylene) were detected with 97th percentile concentration greater than two times the assessment criteria in up-gradient wells. These compounds were not detected above the assessment criteria in groundwater beneath the landfill, indicating that there may be a localised off-site source impacting groundwater. Therefore, the landfill is not considered to be the source of these exceedances and further assessment is not required.

d. Fluoranthene was detected in seven groundwater samples beneath the landfill, with the 97th percentile concentration exceeding the assessment criteria by at least two times. This contaminant was also detected at elevated levels downgradient. Therefore, further assessment of this contaminants is required.

e. Trichloroethene (TCE) and its breakdown products, 1,2-dichlroethane and vinyl chloride, were detected above the screening criteria in several samples directly beneath the landfill, with the 97th percentile concentration exceeding the assessment criteria by at least two times. Low levels of TCE, but none of the breakdown products, have been recorded in groundwater down-gradient of the landfill (CP-BH55). Therefore, further assessment of this contaminant is required.

f. Bis(2-ethylhexyl)phthalate is not considered to require further assessment as there was only one exceedance and the 97th percentile concentration did not exceed the assessment criteria. Therefore the exceedance is not considered significant and no further assessment is required.

PFAS

a. Concentrations of perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) have been recorded above the laboratory limit of detection in a number of groundwater samples obtained from the site. Both PFOS and PFOA are two of the most abundant substances of a group of contaminants known collectively as poly and perfluorinated substances (PFAS).

b. Historically PFAS was manufactured for a wide range of industrial, commercial and household applications. PFAS were common components of fire-fighting foams and are commonly encountered at airports, military sites, fire training areas and other large industrial facilities [49] The use of fire-fighting foam products containing >0.001 %wt PFOS was banned in the EU in June 2011. Disposal to landfill is often the end life cycle for consumer products that contain PFAS and household wastes in landfill such as carpets, textiles and clothing can contribute as a source. Additionally, industrial waste can be a significant source in landfills and landfill leachate (Ref. 53).

c. The highest concentrations of PFOS recorded in groundwater have typically been in groundwater wells which are located close to the airports fire training facility. It is understood that the airport does not use fire-fighting foams which contain PFAS and therefore it is likely that the presence of PFAS in groundwater is a result of historic use of fire-fighting foams at the airport and from other industrial sites across the wider Luton area.

d. Samples have been compared to assessment criteria recently published by the Drinking Water Inspectorate (Ref. 54) which include a tiered assessment. As the tiers increase, the onus of the minimum action to be taken increased.

e. Tier 1 is a qualitative assessment based where PFAS should be considered a hazard. Tiers 2 to 4 provide a drinking water guidance value to assess concentrations against.

f. Minor exceedances of Tier 2 guidance values are observed upgradient of the landfill, with no further exceedances of Tiers 3 and 4 criteria. 36% of samples from groundwater beneath the landfill are recorded as above Tier 2 criteria, which reduces to 11% exceeding Tier 3 criteria. No samples are above Tier 4 criteria. 49% of samples downgradient are exceeding Tier 2 criteria which reduces to 22% exceeding Tier 3 criteria. No exceedances of Tier 4 criteria are observed.

g. The minimum action to be taken as recommended by the DWI for Tier 2 exceedances is additional monitoring to establish long term trends and risks. Minimum actions recommended by the DWI for Tier 3 exceedances is to consult with appropriate persons to reduce concentrations as soon as is practicable.

h. It is pertinent to note that the assessment using the DWI values is considered conservative as they are applicable to treated drinking water and applying the criteria to the principal aquifer is extremely

conservative. The use of the DWI values within this report is to provide an indicative risk. As the majority of exceedances are values between Tier 2 and Tier 3, the risk to controlled waters is considered to be low. Therefore, at this stage PFAS have not been taken forward to DQRA. However, there is work ongoing by the Environment Agency to understand the risks and develop pragmatic approaches to PFAS assessment. Further monitoring and assessment will be required based on the assessment to date. Although monitoring suggests that the risk with respect to PFAS is low at the development site they should be considered contaminants of concern until the guidance is available and any further assessment work completed.

Pesticides

a. A number of pesticides have been recorded within the groundwater, however the exceedances are generally localised and typically only marginally above the screening criteria. The sources of pesticides within the groundwater are likely to have arisen from a number of sources including agricultural application across the wider development site. More frequent exceedances of mecoprop and diuron have been recorded in groundwater beneath the landfill and are therefore considered to require further assessment.

12.2.5 Overall relatively few exceedances of potential contaminants of concern have been recorded in groundwater beneath the site. Those which did exceed tended to be in boreholes beneath or close to the landfill and were typically in localised areas. There is limited evidence of any significant contaminant plume migrating down-hydraulic gradient of the landfill.

12.2.6 The following contaminants of concern **(Table 12.9)** have been identified in the groundwater which exceed the screening criteria and are considered to potentially pose a risk to controlled waters receptors and should therefore be further assessed. The maximum concentrations of these contaminants recorded in the groundwater monitoring wells is shown on **Figure 18.**

Table 12.9 Summary of contaminants of concern within groundwater requiring further assessment

Contaminants of Concern
Metals and Inorganics
Manganese
Ammoniacal nitrogen
Nitrate
Boron
Iron
Nickel
Petroleum hydrocarbons, PAHs, Phenols, VOCs and SVOCs
Fluoranthene

Contaminants of Concern
Metals and Inorganics
Trichloroethene (TCE)
Vinyl chloride
1,2-dichloroethane
Pesticides
Diuron
Mecoprop

Soil, soil leachate and leachate

12.2.7 Comparison of the total soil concentrations to RTM Level 1 values indicated a large number of exceedances. The contaminants where the maximum value exceeded the RTM by at least 100 times are summarised in **Table 12.10**. The full results are provided in **Appendix G.**

Table 12.10 Contaminants in the soil (landfill matrix) for which the maximum value exceeded the RTM Level 1 values by at least 100 times

Determinand	RTM screening Value	Units	No. results >LOD	No. results >RTM	Range	
					Max	Min
Cyanide	0.26	mg/kg	132	125	155.0	<0.1
Complex Cyanide	0.26	mg/kg	16	16	346.0	<0.2
Ammoniacal Nitrogen	0.11	mg/kg	20	20	242.0	<2
Naphthalene	0.08	mg/kg	191	117	51.6	<0.009
Phenanthrene	3.35	mg/kg	406	69	372.0	<0.015
Anthracene	0.16	mg/kg	310	179	119.0	<0.016
Fluoranthene	0.01	mg/kg	412	412	339.0	<0.017
Pyrene	1.88	mg/kg	415	126	267.0	<0.015
Benzo(b)fluoranthene	0.61	mg/kg	390	181	103.0	<0.015
Benzo(a)pyrene	0.07	mg/kg	386	358	83.7	<0.015
Indeno(1,2,3-cd)pyrene	0.51	mg/kg	372	147	56.4	<0.018
Antimony	1.26	mg/kg	216	172	311.0	<1
Cadmium	0.50	mg/kg	581	384	73.9	<0.1
Chromium	315.49	mg/kg	717	13	8670	<0.9
Lead	10.00	mg/kg	714	636	15700	<0.002
Nickel	10.01	mg/kg	721	613	18100	<0.004
Benzene	0.0043	mg/kg	11	10	0.4	<0.001
Ethylbenzene	0.53	mg/kg	94	28	904	<0.001
Xylene	0.23	mg/kg	129	69	370	<0.001
Bis(2-chloroethoxy)methane	14.30	ug/kg	1	1	1890	<100
Propylbenzene	284.42	ug/kg	32	12	29700	<1
1,3,5-Trimethylbenzene	152.89	ug/kg	66	43	4010000	<1
1,2,4-Trimethylbenzene	247.69	ug/kg	84	50	5570000	<1
O Xylene	233.63	ug/kg	54	21	730000	<1

Determinand	RTM screening Value	Units	No. results >LOD	No. results >RTM	Range	
					Max	Min
M&P Xylene	233.63	ug/kg	105	62	2910000	<1
2,4-Dinitrotoluene	0.58	ug/kg	1	1	876	<100
2,6-Dinitrotoluene	1484.17	ug/kg	4	3	11200	<100
2-Nitrophenol	29.64	ug/kg	2	2	3390	<100
Di-N-Butyl Phthalate	0.52	mg/kg	59	35	103	<0.1
Carbazole	0.01	mg/kg	52	52	53.7	<0.1
2,4-Dimethylphenol	1184.53	ug/kg	12	5	17200	<100
4-Methylphenol	532.43	ug/kg	13	8	78700	<100
Dibenzofuran	487.75	ug/kg	62	35	93800	<100
Dibutyl Tin	0.0000157	mg/kg	5	5	0.2	<0.02
Tributyltin	0.0000157	mg/kg	2	2	0.1	<0.02
Tetrabutyl Tin	0.0000157	mg/kg	1	1	0.1	<0.02
4-Nitroaniline	3.39	ug/kg	3	3	1220	<100
4-Chloroaniline	8.39	ug/kg	2	2	1040	<100

12.2.8 The key contaminants of concern for assessment was selected as described in **Section 12.1.14.** A summary of the key contaminants of concern is presented in **Table 12.11 to Table 12.15.**

Table 12.11 Summary of soil leachate, leachate and perched groundwater concentrations of **metal** contaminants which exceed the screening criteria

Contaminant	Units	Screening criteria value	Criteria source	Soil leachate				Leachate				Perched groundwater			
				No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max
Antimony	µg/l	5	DWS	25	14	240	459	23	6	10.7	15.3	19	0	2.4	2.96
Arsenic	µg/l	10	DWS	25	2	20	46.9	23	8	23.7	36.7	19	6	30.5	32
Barium	µg/l	700	WHO	25	0	300	358	23	11	2,006	2,600	19	5	2,929	3,080
Boron	µg/l	1,000	DWS	25	2	2,290	2,300	23	14	2,334	2,400	19	9	26,110	28,000
Hexavalent chromium	µg/l	3.4	FEQS	25	1	30	37.4	24	1	33	39.6	19	0	-	<LOD
Iron	mg/l	0.2	DWS	25	7	1.2	1.82	23	18	37.8	38.1	19	17	29	31.4
Lead	µg/l	10	DWS	25	1	10	11	23	0	3.2	5.8	19	1	21.1	40.8
Manganese	µg/l	50	DWS	25	8	410	676	23	20	2,080	2,100	19	19	4,688	5,590
Molybdenum	µg/l	70	WHO	25	4	480	922	22	0	33.8	56.8	19	0	12.6	13.9
Nickel	µg/l	20	DWS	25	5	120	146	23	8	48.2	54.7	19	10	46.7	54.9
Selenium	µg/l	10	DWS	25	0	-	<LOD	23	3	14	14	19	0	1.3	1.68
Vanadium	µg/l	20	WHO	25	2	20	25.1	23	2	54.1	97.9	19	0	4.6	4.7
Tributyltin compounds	ng/l	0.2	FEQS	0	-	-	-	13	0	-	<LOD	15	5	219.5	355

Contaminant	Units	Screening criteria value	Criteria source	Soil leachate				Leachate				Perched groundwater			
				No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max
Dibutyl tin	ng/l	0.2	FEQS	0	-	-	-	13	0	-	<LOD	15	2	202.2	240
Legend: green (97th percentile < criteria, maximum>criteria); Yellow (97th percentile <2x criteria); Orange (97th <10x criteria); Red (97th percentile >x10 criteria)															

Table 12.12 Summary of soil leachate, leachate and perched groundwater concentrations of **inorganic** contaminants which exceed the screening criteria

Contaminant	Units	Screening criteria value	Criteria source	Soil leachate				Leachate				Perched groundwater			
				No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max
Sulphate	mg/l	250	DWS	25	1	259.4	299	21	1	200	278	19	2	288	322
Fluoride	mg/l	1.5	DWS	25	2	2.27	2.49	24	0	0.933	0.967	19	0	0.879	0.892
Chloride	mg/l	250	DWS	25	0	27.97	31.5	21	7	1,212	1,230	18	12	1,208.3	1,500
Ammoniacal nitrogen	mg/l	0.39	DWS	25	20	23.34	24.2	23	20	167.3	168	19	17	290.8	293
Total cyanide	mg/l	0.05	DWS	25	0	-	<LOD	23	0	0.0147	0.016	18	1	0.05	0.051
Thiocyanate	mg/l	0.05	DWS	25	1	0.12	0.292	23	6	0.43	0.45	18	3	0.109	0.119
Bromate	mg/l	0.01	DWS	0	-	-	-	22	0	-	<LOD	16	2	0.014	0.017
Nitrite as NO2	mg/l	0.5	DWS	25	1	0.33	0.546	23	0	0.21	0.25	18	0	0.26	0.324
Legend: green (97th percentile < criteria, maximum >criteria); Yellow (97th percentile <2x criteria); Orange (97th <10x criteria); Red (97th percentile >x10 criteria)															

Table 12.13 Summary of leachate and perched groundwater concentrations of **petroleum hydrocarbon** contaminants which exceed the screening criteria

Contaminant	Units	Screening criteria value	Criteria source	Leachate				Perched groundwater			
				No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max
TPH >C8-C10 aliphatic	µg/l	300	WHO	21	0	39	40	17	1	380	568
TPH >C10-C12 aliphatic	µg/l	300	WHO	21	0	59	64	17	2	620	912
TPH >C12-C16 aliphatic	µg/l	300	WHO	21	1	547	993	16	3	3,621	4,570

TPH >C16-C21 aliphatic	µg/l	300	WHO	21	3	2,486	3,080	16	5	17,720	22,400
TPH >C21-C35 aliphatic	µg/l	300	WHO	21	9	17,120	20,600	16	11	89,865	99,900
TPH >C8-C10 aromatics	µg/l	300	WHO	20	0	55	58	17	1	385	548
TPH >C10-C12 aromatics	µg/l	90	WHO	21	0	39	43	17	2	413	608
TPH >C12-C16 aromatics	µg/l	90	WHO	21	1	682	1,330	16	3	1,218	1,470
TPH >C16-C21 aromatics	µg/l	90	WHO	21	6	3,000	4,020	16	6	4,590	5,170
TPH >C21-C35 aromatics	µg/l	90	WHO	21	9	11,460	12,600	16	9	19,270	9,900
Benzene	µg/l	1	DWS	9	0	-	<LOD	17	5	2	2.4
Ethylbenzene	µg/l	20	FEQS	9	0	-	<LOD	17	1	18.7	26.4
Xylene	µg/l	30	FEQS	18	0	22	23	17	4	101.4	129
Legend: green (97th percentile < criteria, maximum > criteria); Yellow (97th percentile <2x criteria); Orange (97th <10x criteria); Red (97th percentile >x10 criteria)											

Table 12.14 Summary of leachate and perched groundwater concentrations of **PAH, phenol, VOC and SVOC** contaminants which exceed the screening criteria

Contaminant	Units	Screening criteria value	Criteria source	Leachate				Perched groundwater			
				No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max
Cresol	µg/l	100	FEQS	22	3	189	220	17	0	30	40
Phenol	µg/l	7.7	FEQS	22	3	51	70	17	1	22	40
Naphthalene	µg/l	2	FEQS	21	3	5.6	7.1	19	2	74.7	76.1
Acenaphthylene	µg/l	2	FEQS	21	1	2.1	2.7	16	0	1.1	1.5
Fluorene	µg/l	2	FEQS	21	2	26.0	50.2	16	3	8.9	9.8
Phenanthrene	µg/l	2	FEQS	21	5	167.6	290.0	16	6	29.2	31.0
Anthracene	µg/l	0.1	FEQS	21	8	42.4	73.1	16	10	7.1	8.3
Fluoranthene	µg/l	0.0063	FEQS	21	10	299.4	402.0	16	16	36.9	41.0
Pyrene	µg/l	2	FEQS	21	7	280.4	371.0	16	7	30.1	34.8
Benzo(a)anthracene	µg/l	2	FEQS	21	5	126.4	142.0	16	7	9.2	11.9
Chrysene	µg/l	2	FEQS	21	4	50.7	114.0	16	7	7.8	10.1
Benzo(b)fluoranthene	µg/l	0.1	DWS	21	9	239.8	295.0	16	13	11.8	12.5
Benzo(k)fluoranthene	µg/l	0.1	DWS	21	8	38.4	81.7	16	12	5.4	5.5
Benzo(a)pyrene	µg/l	0.01	DWS	21	10	82.1	160.0	16	15	9.5	10.8
Indeno(1,2,3-cd)pyrene	µg/l	0.1	DWS	21	9	137.6	164.0	16	12	5.6	6.0
Dibenz(ah)anthracene	µg/l	2	FEQS	21	3	20.4	22.0	16	0	1.2	1.3
Benzo(ghi)perylene	µg/l	0.1	DWS	21	9	153.4	169.0	16	12	6.8	6.9
Chlorobenzene	µg/l	0.4	FEQS	21	3	1.54	1.65	17	1	1.69	2.33
Iso-propylbenzene	µg/l	1	DWS	21	3	4.21	4.88	17	1	1.7	2.35
Propylbenzene	µg/l	1	DWS	21	1	1.25	1.63	17	2	4.41	7.27
1,3,5-trimethylbenzene	µg/l	1	DWS	21	1	1.47	2.17	17	4	52.7	69.2
1,2,4-trimethylbenzene	µg/l	1	DWS	21	2	4.07	7.97	17	8	121.1	173
sec-butylbenzene	µg/l	1	DWS	21	0	-	<LOD	17	1	1.62	2.2
4-methylphenol	µg/l	100	FEQS	20	3	203	260	16	0	-	<LOD
2-methylnaphthalene	µg/l	2	FEQS	20	0	-	<LOD	16	1	34.6	46.5

Carbazole	µg/l	2	FEQS	20	0	-	<LOD	16	1	11.4	12.6
di-n-butylphthalate	µg/l	8	FEQS	20	0	-	<LOD	16	3	1,643	2,790
Bis(2-ethylhexyl)phthalate	µg/l	8	WHO	14	3	20.98	21.6	18	2	349.2	468
Butyl benzyl phthalate	µg/l	7.5	FEQS	20	0	-	<LOD	16	3	5,826	10,500
Legend: green (97th percentile < criteria, maximum > criteria); Yellow (97th percentile <2x criteria); Orange (97th <10x criteria); Red (97th percentile >x10 criteria)											

Table 12.15 Summary of leachate and perched groundwater concentrations of **pesticides/herbicides and PFAS** contaminants which exceed the screening criteria

Contaminant	Units	Screening criteria value	Criteria source	Leachate				Perched groundwater			
				No of Samples	No > criteria	97th percentile	Max	No of Samples	No > criteria	97th percentile	Max
PFOS	µg/l	0.01	DWS (T2)	10	6	0.67	1	16	14	1.19	1.73
PFOA	µg/l	0.01	DWS (T2)	4	2	2.35	2.74	16	10	0.069	0.079
PFOS	µg/l	0.1	DWS (T3)	10	6	0.67	1	16	7	1.19	1.73
PFOA	µg/l	0.1	DWS (T3)	4	2	2.35	2.74	16	0	0.069	0.079
PFOS	µg/l	1	DWS (T4)	10	0	0.67	1	16	2	1.19	1.73
PFOA	µg/l	1	DWS (T4)	4	1	2.35	2.74	16	0	0.069	0.079
n-Nitroso-n-dipropylamine	µg/l	0.1	DWS	14	1	18.3	30	18	0	-	<LOD
Clopyralid	µg/l	0.1	DWS	14	1	0.35	0.55	16	0	-	<LOD
Mecoprop	µg/l	0.1	DWS	14	6	3.1	3.51	16	6	1.47	1.64
Dichlorprop	µg/l	0.1	DWS	14	0	0.06	0.09	16	3	0.298	0.363
Dieldrin	µg/l	0.03	DWS	13	0	0.02	0.02	16	1	1.16	2.09
o,p-TDE (o,p-DDD)	µg/l	0.1	DWS	13	0	0.03	0.04	16	1	0.18	0.316
p,p-TDE (o,p-DDD)	µg/l	0.1	DWS	13	0	0.07	0.1	16	1	0.65	1.16
Azinphos-methyl	µg/l	0.1	DWS	15	1	0.31	0.52	19	0	-	<LOD
Diuron	ng/l	100	DWS	14	0	-	<LOD	16	1	110.2	130
Monuron	ng/l	100	DWS	14	4	285.9	291	16	3	216	225
Legend: green (97th percentile < criteria, maximum > criteria); Yellow (97th percentile <2x criteria); Orange (97th <10x criteria); Red (97th percentile >x10 criteria)											

12.2.9 The GQRA indicated that the following contaminants in the matrix of the landfill may pose a risk to controlled waters:

Metals and inorganics

a. Antimony, arsenic, barium, boron, iron, manganese and nickel were found to be potentially leachable and/or to be present in elevated concentrations in leachate/perched groundwater. While a number of these metals are known to be found naturally in groundwater within the chalk, the concentrations recorded exceed the typical background values and those recorded on site up-gradient of the landfill. A number

of these contaminants were also detected in elevated concentration in the groundwater beneath the landfill **(see Section 12.2.4).** Therefore, these contaminants require further assessment;

b. A number of metals contaminants (lead, molybdenum, selenium and vanadium) were found to exceed the screening criteria in soil leachate. Lead, molybdenum and vanadium were not detected in the groundwater above the assessment criteria and selenium only exceeded in one sample but the 97th percentile was below the assessment criteria **(see Section 12.2.4).** As such there is not considered to be a significant source of these contaminants in the landfill which could pose a risk to controlled waters and therefore no further assessment is required;

c. Concentrations of hexavalent chromium were elevated in one leachate and one soil leachate sample, however all other results were below the laboratory limit of detection. Hexavalent chromium was also not continuously detected in groundwater **(see Section 12.2.4 above),** despite significant monitoring being undertaken, with only random spikes detected. As such there is not considered to be a significant source of hexavalent chromium in the landfill which could pose a risk to controlled waters and therefore no further assessment is required;

d. Tributyltin compounds were elevated in five samples of perched groundwater but not within the soil leachate or leachate samples. Elevated concentrations recorded in BWS217 and BH214 were only recorded in these wells on one occasion with other samples being below the laboratory LOD. Dibutyl tin was also only elevated in two samples of perched groundwater and in BH209 was below LOD in a second sample. Neither of these contaminants were detected above LOD in the groundwater beneath the landfill **(see Section 12.2.4).** As such there is not considered to be a significant source of these contaminants in the landfill which could pose a risk to controlled waters and therefore no further assessment is required.

e. Sulphate, fluoride, bromate and total cyanide exceeded the assessment criteria. None of these contaminants were detected above assessment criteria in the groundwater beneath the landfill. As such there is not considered to be a significant source of these contaminants in the landfill which could pose a risk to controlled waters and therefore no further assessment is required.

f. Nitrite only has one exceedance within the soil leachate and the 97th percentile concentration did not exceed the assessment criteria. Therefore the exceedance is not considered significant and no further assessment is required.

g. Ammoniacal nitrogen was found to have elevated concentrations throughout the landfill. Ammoniacal nitrogen is a typical component of landfill leachate and therefore is considered a potential contaminant of concern. Further assessment of ammoniacal nitrogen is required.

h. A number of samples recorded elevated concentrations of thiocyanate. Thiocyanate is typically produced from the reaction between free cyanide and sulphate and can occur in landfills with a significant component of industrial waste. Thiocyanate is generally considered to be less toxic than cyanide. Thiocyanate was also detected in the groundwater beneath the landfill but not down-gradient **(see Section 12.2.4).** Thiocyanate is considered to require further assessment to determine whether the concentration could pose a risk to controlled waters.

Petroleum hydrocarbons, PAHs, Phenols, VOCs and SVOCs

a. Petroleum hydrocarbon aliphatic and aromatic fractions TPH C12-C16, C16-C21 and C21-35 are considered to present a potential risk to controlled waters. Several samples have reported maximum concentrations which are close to or above solubility limits which suggests the presence of free phase product, these wells (BH231, BH223 and WS224) are all located within the south east of the current LTCP and may indicate the presence of localised product within the landfill waste. A hydrocarbon sheen was present on groundwater sampled from WS224. While only a small number of samples recorded an elevated concentration of xylene, the maximum concentrations of benzene and xylene were significantly above the screening criteria and should also be assessed further.

b. Petroleum hydrocarbon aliphatic and aromatic fractions TPH >C8-C10, and>C10-C12 are not considered to pose a risk to controlled waters as elevated concentrations were only recorded on up to two occasions. In addition, neither of these fractions were detected above assessment criteria in the groundwater beneath the landfill. As such there is not considered to be a significant source of these contaminants in the landfill which could pose a risk to controlled waters and therefore no further assessment is required.

c. Phenol and cresols were only elevated in three leachate samples and are therefore considered unlikely to pose a risk to controlled waters. Neither of these contaminants were detected above assessment criteria in the groundwater beneath the landfill. As such there is not considered to be a significant source of these contaminants in the landfill which could pose a risk to controlled waters and therefore no further assessment is required.

d. Widespread elevated concentrations of PAHs were recorded in both the leachate and perched groundwater. For further assessment benzo(a)pyrene, naphthalene, fluoranthene and anthracene will be considered as these are considered as representative marker compounds for the other PAHs.

e. Several VOC and SVOC compounds have been recorded above the screening criteria, however most have been isolated occurrences with the majority of results recording concentrations below the laboratory

limit of detection. 1,2,4-trimethylbenzene exceeds in a several samples and is therefore considered to require further assessment.

PFAS

a. Elevated concentrations of PFAS were recorded in both the perched groundwater within the landfill and within the leachate throughout the duration of the monitoring. Whilst exceedances of PFAS have been observed within the leachate and groundwater perched within the landfill, the detections in groundwater beneath the **landfill (see Section 12.2.4)** are not as significantly elevated. Whilst the landfill should be considered a source of PFAS, monitoring data suggests that the impact to controlled waters is low. As discussed in **Section 12.2.4** the Environment Agency are currently developing a pragmatic approach to PFAS assessment. PFAS should be considered a contaminant of concern until the guidance is available and additional monitoring will be required.

Pesticides

a. A number of pesticides have been recorded within the leachate and perched groundwater, however the exceedances are localised, with the exception of mecoprop where more frequent exceedances have been recorded and requires further assessment. It is noted that all of the pesticides detected within the landfill are no longer in use in the UK (Ref. 50).

12.2.10 The following contaminants of concern within the landfill **(Table 12.16)** exceed the screening criteria and are considered to potentially pose a risk to controlled waters and should therefore be further assessed. The locations of these exceedances within the landfill are shown in **Figure 18.**

Table 12.16 Summary of contaminants of concern within landfill requiring further assessment

Metals and Inorganics	
Antimony	Iron
Arsenic	Manganese
Barium	Ammoniacal nitrogen
Boron	Nickel
Thiocyanate	
Petroleum hydrocarbons, PAHs, Phenols, VOCs and SVOCs	
Benzene	Xylene
Aromatic TPH C12-C16	Benzo(a)pyrene
Aliphatic TPH C12-C16	Naphthalene
Aliphatic TPH C16-C21	Fluoranthene
Aliphatic TPH C21-C35	Anthracene
Aromatic TPH C16-C21	1,2,4-trimethylbenzene
Aromatic TPH C21-C35	

Pesticides	
Mecoprop	

13 REVISED CONCEPTUAL SITE MODEL

13.1 Introduction

13.1.1 The preliminary conceptual site model detailed in **Section 3** has been updated following the quantitative risk assessment. The same methodology as detailed in DCO PRA (Ref. 1) has been used for assessing the risk.

13.1.2 The revised CSM takes into account the understanding of the ground model which is presented in **Section 7** and the landfill waste characteristics and quantitative assessments described in **Sections 8 to 12.** The updated CSM is provided in **Table 13.1** Revised Conceptual Site Model (CSM) updated following GQRA for Area A(Area A) and **Table 13.2** (Airport Access Road). The CSM for Area A is shown in **Figure 19.**

13.1.3 It has been indicated within **Table 13.1** whether the PCLs apply either:

a. During excavation, remediation and construction phase; or

b. Future use of proposed development

13.1.4 In addition, the PCLs have been classified as follows:

	Confirmed relevant pollutant linkage (RCL) require inclusion in the Remediation Strategy
	PCL requires further consideration through Detailed Quantitative Risk Assessment (DQRA)
	Impact is possible but can be mitigated by design and/or managed under an alternative regime such as permitted operation or occupational safety. Measure should be included in the Remediation Strategy.
	Impact ruled out no further assessment required

Table 13.1 Revised Conceptual Site Model (CSM) updated following GQRA for Area A

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
1	DEV	Ground gases from former landfill e.g. methane	Migration into future buildings and build-up of gases	Users of future development – public/airport operatives/ New Century Park users	Very High	The GQRA indicated that the Characteristic Situation is 2 to 3. However, further DQRA is required to understand the gassing conditions.
2	DEV		Migration off-site	Adjacent site users (e.g. residential housing and other buildings on Luton Airport, WVP Community Centre/ pavilion)	Moderate	The GQRA indicated little evidence of off-site migration of gases. Further DQRA is required to understand the gassing conditions.
	CON					Measures will be required to treat existing preferential pathways e.g. Thames Valley Drain.
3	DEV	Volatile radionuclides occupying buildings overlying radioactive land contamination	Migration into future buildings and build-up of gases	Users of future development – public/airport operatives/ New Century Park users	Low	The recent GI included testing for radionuclides, which indicated levels observed were consistent with background levels **(see Section 10.1.3).** No further risk assessment of the radionuclide risks is required. However, a watching brief will be required during excavation works and procedures in place
4	DEV		Migration off-site through preferential pathways	Adjacent site users (e.g. residential housing and other buildings on Luton Airport, WVP Community Centre/ pavilion)	Low	

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
						to ensure any suspected radionuclide containing material encountered is appropriately managed.
5	CON	Waste in former landfill	Direct contact e.g. dermal contact, soil ingestion	Construction worker	Low	Based on the results of the GQRA no special precautions, above and beyond best practice, are considered necessary during construction works to control potential acute risks. Appropriate measures should be undertaken during construction to ensure the site is secure and dusts are controlled. Any risks to construction worker can be reduced by adoption of appropriate site management protocols and PPE.
6	DEV	Waste in former landfill		Future maintenance workers	Low/ Moderate	The GQRA indicated there was very few exceedances and the risk to maintenance workers of the new airport development is low. Maintenance workers may be exposed to areas of landfill

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
						waste during future excavation. This can be reduced by placing of services in a clean cover system.
7	DEV	Waste in former landfill		Users of future development – public/airport operatives/ New Century Park users	Low	The GQRA indicated there was very few exceedances and the risk to future users of the new airport development is low. The future development will comprise buildings & hardstanding, therefore there is unlikely to be any contact with landfilled wastes. However, given the heterogeneous nature of landfills and the lack of engineered cover system, it should be assumed that measures will be required, particularly in landscape areas to prevent direct contact with the waste.
8	CON		Direct or indirect contact with radionuclides – incurring	Construction workers	Low/ Moderate	Potential for radioactive materials to be present within the earlier waste which was deposited prior to the introduction of the Radioactive

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
			radiation dose by indirect dose received from ingestion of radium (or other alpha emitting contaminated material) or direct risk from contact with beta emitters such as Carbon-14 or Caesium-137			Substances Act in 1963. Potential for arisings from piling and foundation activities to encounter such materials. The recent GI included testing for radionuclides, which indicated levels observed were consistent with background levels. Procedures during construction should be in place to detect any radionuclides which may be encountered.
9	DEV	Waste in former landfill		Future maintenance workers	Low	The recent GI included testing for radionuclides, which indicated levels observed were consistent with background levels **(see Section 10.1.3).** However, given the heterogeneous nature of landfills and the lack of engineered cover system, it should be assumed that measures will be required. Maintenance workers may be exposed to areas of landfill waste during future

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
						excavation. This can be reduced by placing of services in a clean cover system.
10	DEV			Users of future development – public/airport operatives/ New Century Park users	Low	The recent GI included testing for radionuclides, which indicated levels observed were consistent with background levels **(see Section 10.1.3**). However, given the heterogeneous nature of landfills and the lack of engineered cover system, it should be assumed that measures will be required, particularly in landscape areas to prevent direct contact with the waste.
11	CON		Inhalation of vapours	Construction worker	Low	There are no generic assessment criteria for assessing soil gas vapour concentrations. Therefore, PCLs associated with soil gas vapours require further DQRA.
12	DEV			Future maintenance workers	Low	

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
13	DEV			Users of future development – public/airport operatives/ New Century Park users	Low	There are no generic assessment criteria for assessing soil gas vapour concentrations. Therefore, PCLs associated with soil gas vapours require further DQRA.
14	DEV		Inhalation of airborne contaminants/ dust/ asbestos fibres and microorganisms	Users of future development – public/airport operatives/ New Century Park users	Low	Further assessment required to understand mitigation measures required with respect to asbestos fibres, considered with DQRA.
15	CON			Adjacent site users (e.g. residential housing, Luton Airport visitors and operatives, users of WVP)	High	Further assessment required to understand mitigation measures required with respect to asbestos fibres, considered with DQRA.
16	CON			Construction workers	Moderate	Further assessment required to understand mitigation measures required with respect to asbestos fibres, considered with DQRA.

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
17	CON		Driving of contaminants downward during any future piling	Principal aquifer in Chalk	Moderate	The GQRA has indicated that there are isolated hot spots of contaminants present and a localised area of free product was encountered at location WS224. Care will be required during construction not to create a pathway. This may involve localised remove of hotspots in locations where works may create a pathway. Incorporation of localised removal at select locations in remediation strategy for site to reduce potential for creation of pathways Risk from piling and construction can be mitigated by completion of piling risk assessment report to determine appropriate assessment for pile design and construction.
18	DEV		Direct contact of foundations of future development	Foundations of future buildings	Moderate	Presence of landfill waste in contact with building foundations may cause damage to foundations

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
						through aggressive ground conditions. Site investigation data will be considered in the design of the foundation. Risk can be mitigated by appropriate geotechnical design to select suitable foundation materials/concrete classification.
19	CON	Japanese Knotweed	Direct contact with rhizomes on floor slabs, external pavement and drainage	Floor slabs/drainage/pavement	Moderate/ Low	Japanese Knotweed has been identified in WVP, this can cause damage to buried infrastructure/buildings and pavement through growth of rhizome. Risk can be mitigated through application of treatment with herbicide/removal/on-site burial/containment.
20	CON	Leachate in former landfill[1]	Direct contact e.g. dermal contact	Construction workers	Moderate/ Low	Construction workers may be exposed to landfill leachate during future excavation works. The GI undertaken indicates there is likely to be limited leachate present.

[1] The source of the leachate in assumed to be the landfill waste material

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
						Any excavation work would adopt appropriate site management protocols and PPE.
21	DEV			Future maintenance workers	Moderate/ Low	The GI undertaken indicates there is likely to be limited leachate present. Maintenance workers may be exposed to areas of landfill waste during future excavation. This can be reduced by placing of services in a clean cover system.
22	DEV			Users of future development – public/airport operatives/ New Century Park users	Low	The GI undertaken indicates there is likely to be limited leachate present. The future development will be buildings and hardstanding and is likely to include an engineered cover layer and leachate control system, therefore there is limited potential for contact with any leachate in the landfill.
23	DEV		Downward migration of leachate	Principal aquifer in Chalk	Moderate/ Low	Further detailed risk assessment is required to inform the risks from this PCL.

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
24	DEV		Direct contact with foundations of future development	Foundations of future buildings	Moderate/ Low	Presence of leachate in contact with building foundations may cause damage to foundations through aggressive ground conditions. The GI undertaken indicates there is likely to be limited leachate present. Consider in the geotechnical design.
25	DEV		Leachate breakout and plant uptake	Areas of Landscaping in the airport and New Century Park developments/WVP allotments	Low	No evidence of leachate breakout currently occurring. The GI undertaken indicates there is likely to be limited leachate present. A clean cover system with suitable depth of growth medium will further reduce this risk.
26	CON	Contaminants in perched water	Driving of contaminants downward during any future piling	Principal aquifer in Chalk	Low	GQRA indicated that perched water was present in some locations within the landfill. The GQRA indicated that there are isolated hot spots of contaminants present and a localised area of free product. Care will be required during construction not to create a

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
						pathway. This may involve localised remove of hotspots in locations where works may create a pathway. Risk from piling and construction can be mitigated by completion of piling risk assessment report to determine appropriate assessment for pile design and construction.
27	CON		Migration of contaminants via preferential pathways e.g. drainage	Principal aquifer in Chalk	Moderate	Survey and assessment of purpose of drain passing through landfill to be undertaken and incorporated into design. Measure to be incorporated in design to prevent creation of preferential pathways.
28	CON	Contaminants in Made Ground (car park, capping material)	Direct contact e.g. dermal contact, soil ingestion	Construction workers	Moderate/ Low	Based on the results of the GQRA no special precautions, above and beyond best practice, are considered necessary during construction works to control potential acute risks. Appropriate measures should be undertaken during

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
						construction to ensure the site is secure and dusts are controlled. Any risks to construction worker can be reduced by adoption of appropriate site management protocols and PPE.
29	DEV	Contaminants in Made Ground (car park, capping material)		Future maintenance workers	Moderate/ Low	The GQRA indicated there was very few exceedances and the risk to maintenance workers of the new airport development is low. Maintenance workers may be exposed to areas of Made Ground during future excavation. This can be reduced by placing of services in a clean cover system and adoption of appropriate site management protocols and PPE.
30	DEV			Users of future development – public/ airport workers/users of New Century Park	Low	The GQRA indicated there was very few exceedances and the risk to future users of the new airport development is low. The future development will comprise

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
						buildings & hardstanding, therefore there is unlikely to be any contact Made Ground. However, given the heterogeneous nature of landfills and the lack of engineered cover system, it should be assumed that measures will be required, particularly in landscape areas to prevent direct contact with the Made Ground.
31	CON		Inhalation of soil derived dusts/asbestos fibres	Construction workers	Moderate	Further assessment required to understand mitigation measures required with respect to asbestos fibres, considered with DQRA.
32	DEV			Future maintenance workers	Moderate/ Low	Further assessment required to understand mitigation measures required with respect to asbestos fibres, considered with DQRA.
33	DEV			Users of future development – public/ airport workers/users of New Century Park	Low	Further assessment required to understand mitigation measures required with respect to asbestos fibres, considered with DQRA.

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
34	CON			Adjacent site users (e.g. residential housing, Luton Airport, WVP)	Moderate/ Low	Further assessment required to understand mitigation measures required with respect to asbestos fibres, considered with DQRA.
35	CON		Inhalation of vapours	Construction worker	Low	There are no generic assessment criteria for assessing soil gas vapour concentrations. Therefore, PCLs associated with soil gas vapours require further DQRA.
36	DEV			Future maintenance workers	Low	
37	DEV			Users of future development – public/ airport workers/users of New Century Park	Moderate/ Low	There are no generic assessment criteria for assessing soil gas vapour concentrations. Therefore, PCLs associated with soil gas vapours require further DQRA.
38	DEV			Adjacent site users (e.g. residential housing, Luton Airport, WVP Buildings)	Low	There are no generic assessment criteria for assessing soil gas vapour concentrations. Therefore, PCLs associated with soil gas vapours require further DQRA.
39	CON		Balancing pond	Principal aquifer in Chalk	Very Low	Thames Water balancing pond present in the north of the former landfill area, it will remain in place during the

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
						Proposed Development. Appropriate site management and construction techniques will be required during the development construction process in the vicinity of the current pond to reduce the risk.
40	DEV	Contaminants in groundwater (dissolved phase)	Lateral migration of contaminants in groundwater	Controlled waters (including potable water groundwater abstraction)	Moderate	Further detailed risk assessment is required to inform the risks from this PCL.
41	CON	Unexploded Ordnance	Driving of piles impact UXO	Construction workers/public/ terminal buildings	High/ Moderate	Based on Detailed UXO Risk Assessment 'Very High' probability of UXO on-site. Low risk where works are to be undertaken within post war fill material- correct detection and monitoring procedures will be required during site works to mitigate risks.

KEY:
CON- PCL during excavation, remediation and construction phase
DEV- PCL associated with future use of proposed development

Table 13.2 Revised Conceptual Site Model (CSM) updated following GQRA for Airport Access Road

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
1	CON	Contaminants in Made Ground	Direct contact e.g. dermal contact and/or ingestion	Construction workers	Low	GI has been completed across most of the area for the proposed Airport Access Road. The GQRA has indicated that the contaminant concentrations recorded do not exceed the GAC. However additional GI will be required for detailed design to address the CoC which have not been investigated. No further detailed assessment is required at this stage and no requirement for remediation has been identified. However, future excavation works should adopt appropriate site management protocol and controls identified by the appointed contractor's method statement and risk assessment (MSRA).

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
2	DEV			Maintenance workers	Low	Future workers and end users are unlikely to encounter contaminated material due to the presence of the road hardstanding which breaks any plausible exposure pathways. If excavation was required workers would adopt appropriate site management protocols and PPE
3	CON		Inhalation of soil derived dusts/asbestos fibres from the Made Ground	Construction workers	Low	Construction workers will be exposed to Made Ground during excavation/construction. The generic assessment of risk from asbestos fibres has concluded a low risk with asbestos above the LOD detected in a small number of samples. Further sampling and analysis should be completed at design stage. Any future

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
						excavation work would adopt appropriate site management protocols and PPE, based on completion of a JIWG assessment, prior to any works.
4	DEV			Maintenance workers	Low	Future workers and end users are unlikely to encounter contaminated material due to the presence of the road hardstanding which breaks any plausible exposure pathways. If excavation was required workers would adopt appropriate site management protocols and PPE, identified in the MSRA.
5	DEV			Adjacent site users (e.g. commercial units, residential	Low	There is the potential for soil derived dusts which contain contaminants to be generated during construction works. asbestos fibres have been

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
				areas, Luton Airport)		recorded in Made Ground. Good site management practices and mitigation measures would reduce the potential risk, to include perimeter monitoring, detail to be included in the remediation strategy and outline CoCP.
6	CON		Inhalation of vapours	Construction worker	Very Low	Evidence of TPH odours were recorded during previous GIs, generally at significant depth. Exposure to construction workers and future maintenance workers is considered to be low as it would be in outdoor air and therefore vapours will be diluted. Future excavation works should adopt appropriate site management protocol and controls identified by the appointed contractor's
7	DEV			Future maintenance workers	Very Low	

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
						method statement and risk assessment (MSRA).
8	DEV			Adjacent site users (e.g. commercial units, Luton Airport, buildings)	Low	The Airport Access Road will replace existing hardstanding at the eastern end, however, the western end the route will pass through currently undeveloped land, if volatile contaminants are present this could impact vapour migration pathways. The GQRA has not identified any significant soil source and therefore this PCL has been excluded from further assessment at this stage. Additional GI at detailed design stage will be required to support this conclusion.
9	DEV		Leaching of contaminants to groundwater	Principal aquifer in the Chalk	Low	The presence of road hardstanding will reduce the infiltration and potential mobilisation of leachable contaminants It

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
						is also anticipated that the Airport Access Road will have a drainage and collection system to minimise percolation through contaminated material. In addition the groundwater is anticipated to be at depth beneath this area (approximately 40m bgl) and there are no structures which are likely to require deep foundations which could with the aquifer. No further assessment is therefore required at this stage. The previous GI did not include leachate testing or groundwater sampling and analysis, this should be scoped into any GI completed at detailed design stage to confirm this conclusion.
10	DEV	Ground gases from Made Ground	Migration into buildings and build-up of gases (off-site)	Users of adjacent commercial	Low	Ground gases may be produced where a significant thickness of

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
		e.g. methane, carbon dioxide		properties – public/airport operatives		made ground is present. Significant depth of Made Ground is present at the western end of the proposed Airport Access Road. Monitoring to date has not recorded methane above 0.0% by volume and low concentrations of CO_2. No further assessment is required at this stage but additional GI to fill in data gaps and confirm mitigation and design requirements prior to construction.
11	DEV	Contaminants in soils	Direct contact with contaminated materials	Building infrastructure (foundations / piled foundations), Services (water supply pipes)	Moderate	Aggressive ground conditions have not been assessed as part of previous reporting. Chemical attack on foundations may lead to expedited deterioration and cause stability issues to the final construct. Contaminants may permeate through Water supply pipes laid within

PCL No.	Phase applicable to (see key)	Source	Pathway	Receptor	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
						contaminated soils. A BRE SD1 assessment of aggressive ground conditions should be undertaken to provide suitable classification of concrete. Should water supply pipes be included in the final scheme then a UKWIR assessment should be undertaken to inform pipe selection. Both assessments to be completed at detailed design stage.
12	CON	Unexploded Ordnance	Encountering UXO during excavation,	Construction workers/public/ commercial units	Low/Moderate	Correct detection and monitoring procedures will be required during site works to mitigate risks
KEY: CON- PCL during excavation, remediation and construction phase DEV- PCL associated with future use of proposed development						

14 CONCLUSIONS OF GENERIC QUANTITATIVE RISK ASSESSMENT

14.1.1 This GQRA report focussed on the main area of concern with respect to potential contamination identified in the PRA, which is a former landfill site (Area A). In addition, the Airport Access Road to the west of the airport was also assessed as the PRA identified that GI work had been undertaken previously but no assessment of the results had been undertaken to determine the risk from the contamination.

14.1.2 The following sections report the findings of the GQRA for these two areas and summarise where further work is required.

14.2 Airport Access Road

14.2.1 Two phases of ground investigation have been undertaken for the New Road in 2017(Ref. 8) and 2018 (Ref. 9) which were reviewed in the PRA (Ref. 1). The sampling locations are distributed across the route at approximately 50m spacing. Chemical testing was not undertaken at each location, so in some areas the chemical sampling density does not meet that of an exploratory investigation as set out in BS10175. Samples were tested for a range of analytes relevant to the past contaminative land uses and provides a preliminary dataset to assess the risks posed to human health.

14.2.2 The conclusions of the GQRA for the new road are discussed in the sections below.

Human health

Soils

14.2.3 There were no exceedances of the chronic or acute assessment criteria for human health when compared to the soils data.

14.2.4 However as noted above in **Section 14.2.1** the current chemical sampling density does not meet that of best practice guidance set out in BS10175 and there may areas of potential contamination which have not yet been sampled. Notwithstanding this, the overall risk to future users of the road is considered to be very low as the road will be predominately hard standing minimising potential exposure to underlying soils. Therefore no further detailed risk assessment is required at this stage. Further ground investigation may be required at detailed design stage to inform the risks to construction workers and future maintenance workers.

Groundwater and soil vapours

14.2.5 The proposed Airport Access Road does not include any buildings, as such there is no potential for accumulation of vapours in indoor air. However, further GI and/or assessment may be required at the detailed design stage to inform the risks to construction workers, future maintenance workers.

Asbestos

14.2.6 Assessment of the asbestos fibres detected in the soils indicated that the majority were below 0.001% v/v, however there are some higher results. The distribution of the detected samples was typically limited between Dairyborn Escarpment/Airport Way and Percival Way/Presidents Way.

14.2.7 The greatest potential risks from asbestos will be during enabling and construction works, when soils are disturbed and may allow fibres to be released into ambient air. No further detailed assessment is required at this stage but further consideration of the potential risks from asbestos fibres should be undertaken at the detailed design stage to inform the risks to construction workers. The likely classification of works under the Control of Asbestos Regulations (Ref. 40) and risks to construction workers will need to be assessed using CL:AIRE's Joint Industry Working Group (JIWG) Decision Tools (Ref. 36) prior to any works.

Controlled waters

14.2.8 No groundwater sampling or soil leachate testing was undertaken as part of the GI on the proposed New Road. It is not envisaged that the proposed earthworks will interact with the groundwater, which is recorded at approximately 40m bgl. However, this will need to be reviewed at the detailed design stage. Therefore no further assessment is required for controlled water risks at this stage.

14.2.9 The drainage strategy for the road will be undertaken at the detailed design stage but it should ensure that no infiltration will occur across the landfill area or in other areas of Made Ground along the alignment.

Ground gas

14.2.10 The proposed Airport Access Road does not include any buildings, as such there is no potential for accumulation of gases in indoor air. However, further GI and/or assessment may be required at the detailed design stage to inform the risks to construction workers, future maintenance workers and adjacent site users.

14.2.11 Ground gas monitoring collected during the GI works has been used as part of an overall assessment of the area outside of Eaton Green Landfill

14.3 Area A- landfill

14.3.1 A preliminary and detailed GI have been undertaken within the landfill area. The sampling locations have a good spatial, lateral and vertical distribution, encompassing all the main eras of waste deposition. A significant number of soil (1219 samples), groundwater and leachate (328 tests) and gas/VOC samples (96 tests) have been undertaken and analysed to industry standards providing a comprehensive data set for the area. The investigations undertaken to date provide a good understanding of the general composition of the waste, groundwater, leachate and landfill

gas conditions within this area. The data was considered adequate to inform the risk assessment.

14.3.2 The waste characteristics described in **Section 8** indicated that overall there is no distinct spatial variation in the waste types or chemistry. As such it was not considered necessary to sub-divide the landfill for the risk assessment.

14.3.3 The risk assessment considered a reasonable worst-case scenario is representative of the conditions at the landfill. This is considered conservative but allows for the heterogenous nature of the landfill in the assessments.

14.3.4 However, due to the nature of historic landfills i.e. no specific controls on waste types deposited, there is likely to be a high degree of heterogeneity in the waste. Whilst a substantial amount of GI data is available; no GI can completely characterise a site and contamination may exist in an area where contamination was not expected. Therefore, the remediation strategy will need to include measures to detect and deal with unexpected contamination.

14.3.5 The conclusions of the human health, controlled waters and gas GQRA for Area A are discussed in the sections below.

14.4 Human health

Soils

Chronic assessment

14.4.2 The GQRA indicated that overall there were very few exceedances in relation to the overall number of tests undertaken. For all contaminants less than 3% of the samples undertaken for analysis had exceedances. Most of the exceedances are within one order of magnitude of the GAC, with a number only marginally exceeding the criteria.

14.4.3 The majority of the exceedances were within the construction waste type (40%).

14.4.4 Exceedances for trimethylbenzene were noted which is a volatile aromatic hydrocarbon. The exceedances were co-located with other volatile compounds which exceeded their respective GACs i.e. naphthalene and 2-methylnaphthalene. The risks from soil vapours requires further consideration (see below).

14.4.5 Overall the concentration of contaminants in the landfill are not significantly elevated. The majority of contaminants which exceeded present a risk through direct contact. The development is largely hardstanding (see Figure 16) and therefore future users are unlikely to come into direct contact with the underlying material. However, given the heterogeneous nature of landfills and the lack of engineered cover system, it should be assumed that measures will be required, particularly in landscape areas to prevent direct contact with the waste.

14.4.6 No further detailed assessment is required to inform the chronic risks from soils.

Acute assessment

14.4.7 Comparison of the soil samples against the AGAC indicated one exceedance for arsenic of the oral criteria for a child trespasser during construction works, which was considered an unlikely scenario. Appropriate measures should be undertaken during construction to ensure the site is secure and dusts are controlled. Based on the results of the acute assessment no special precautions, above and beyond best practice, are considered necessary during construction works to control potential acute risks.

14.4.8 No further detailed quantitative assessment of the acute risks to human health are required.

14.4.9 As detailed above, due to the heterogenous nature of landfills, measures should be taken during construction works to detect and deal with unexpected contamination i.e. a watching brief. If significant unexpected contamination is encountered further risk assessment may be required.

Soil vapours

14.4.10 There are no generic assessment criteria for assessing soil gas vapour concentrations. Therefore, PCLs associated with soil gas vapours require further DQRA.

Groundwater vapours

14.4.11 Volatile contaminants in groundwater have the potential to cause risk to human health via volatilisation and migration of vapours into overlying buildings or outdoor air space followed by inhalation. During the 2018 GI some perched water was encountered, therefore, the potential risks associated with volatile contaminants in perched water were assessed.

14.4.12 Exceedances for TPH >C10-C12 Aliphatic and 1,2,4- Trimethylbenzene were noted at one location (WS224). The solubility limit for TPH >C10-C12 aliphatic was exceeded, suggesting that free product may be present at this location. Site observations and during the monitoring rounds confirmed the presence of free product at this location.

14.4.13 WS224 is located close to the proposed excavation of landfill materials for the airside platform and there is the potential for the product present to be mobilised during the works and a pathway created to the underlying chalk. Therefore, the free product at this location should be removed as part of the works. Any perched water in the material will also be removed. The material from this location is unlikely be suitable for reuse without treatment to remove the product present.

14.4.14 No further detailed assessment is required to inform the risks from groundwater vapours in perched groundwater.

14.4.15 As detailed above, due to the heterogenous nature of landfills, measures should be taken during construction works to detect and deal with unexpected contamination i.e. a watching brief. If significant unexpected contamination is encountered further risk assessment may be required.

Asbestos

14.4.16 Assessment of the asbestos fibres detected in the soils indicated that the majority were below 0.001% v/v, however there are some higher results. In general, higher concentrations of asbestos in soil have the capacity to liberate higher concentrations of asbestos fibres into the air but this is also very dependent on the type of ACM present and its ability to release fibres.

14.4.17 The nature of the asbestos encountered in the area of the former scrapyard appeared to be different from that encountered within the landfill, no visible bundles of fibres were noted in the landfill during the GI.

14.4.18 Due to the nature of the works to be undertaken at the site i.e. extensive excavation and the detection of some higher concentrations of asbestos fibres in the GIs, further detailed assessment is required. The detailed assessment is presented in the DQRA for Human Health and Ground Gas (Ref. 55), provided as **Appendix 17-3** to the PEIR.

14.5 Ground gas

14.5.1 The gas spot monitoring results were considered to be CS2 with a few CS3 readings. The CS3 readings recorded were as a result of negative flow rates, which were considered to be a positive flow rate for the purposes of the initial assessment. Negative flow rates indicate that the gas pressures within the ground are below that of atmospheric pressure and can occur due rapid changes in atmospheric pressure. The effect of atmospheric pressure on the gas regime is more accurately measured with continuous gas monitoring. The detailed assessment of the effect of atmospheric pressure and the gas regime of the site is presented in the DQRA: Human Health and Ground Gas (Ref. 55).

14.5.2 Outside of the landfill, the levels of gas recorded are low, with the general exception of BWS203, BWS211, BWS214, BBH209, BBH210 and LF-BH05G, which are all located adjacent to the landfill boundary. LF-BH05G and BBH210 are located within an area which has a significant thickness of Made Ground. Flow rates across the holes were low. The analysis indicates that the area outside the landfill is CS2, which is considered low risk, although care should be taken during the design and construction phases of the development to ensure that no preferential pathways are created.

14.5.3 Further detailed gas risk assessment is required of the ground gas including consideration of the continuous gas monitoring to inform the likely protection measures. The detailed assessment is presented in the DQRA (55).

14.6 Controlled waters

14.6.1 The GQRA undertaken indicated that overall there were relatively few exceedances of potential contaminants of concern recorded in groundwater beneath the site. Those which did exceed tended to be in boreholes beneath or close to the landfill and were typically in localised areas. There is limited evidence of any significant contaminant plume migrating down-hydraulic gradient of the landfill.

14.6.2 The assessment of the material in the landfill, its leachability and the landfill leachate indicated there were more exceedances than within the groundwater. The contaminants of concern identified from the GQRA which required further detailed assessment are summarised in **Table 14.1.** Results are provided in the DQRA: Controlled Waters (Ref. 56), provided as **Appendix 17-4** to the PEIR.

14.6.3 Whilst PFAS has been observed to exceed DWI guidance values it is pertinent to note that the use of the DWI values is conservative when applied to an aquifer body. Therefore, at this stage, PFAS have not been taken forward to DQRA. The Environment Agency are currently developing their understanding and approach to assessing and managing the risks from PFAS. Further assessment may be required at detailed design stage.

Table 14.1 Key contaminants of concern in the groundwater and landfill requiring further detailed controlled waters assessment

Groundwater	Landfill (Soils, Soil leachate and leachate)
Metals and Inorganics	Antimony
Manganese	Arsenic
Ammoniacal nitrogen	Barium
Nitrate	Boron
Boron	Thiocyanate
Nickel	Iron
Iron	Manganese
	Ammoniacal nitrogen
	Nickel
Petroleum hydrocarbons, PAHs, Phenols, VOCs and SVOCs	
Trichloroethene (TCE)	Benzene
Vinyl chloride	Aromatic TPH C12-C16
1,2-dichloroethane	Aliphatic C12-C16
Fluoranthene	Aliphatic C16-C21
	Aliphatic C21-C35

	Aromatic C16-C21
	Aromatic C21-C35
	Xylene
	Benzo(a)pyrene
	Naphthalene
	Fluoranthene
	Anthracene
	1,2,4-trimethylbenzene
Pesticides	
Diuron	Mecoprop
Mecoprop	

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FIGURES

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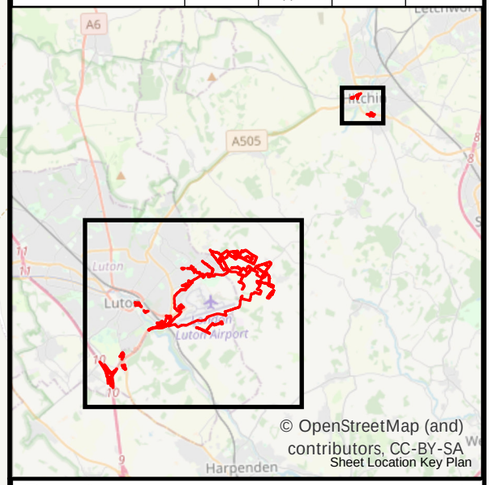
All structure positions are indicative. The proposed works will be subject to detailed design development. The changes will be within limits of deviation specified in the Development Consent Order.

Legend

Proposed Development Boundary

Revision History	Drawn	Checked / Approved	Date	Rev.
First Issue	AB	RB / TB	13/12/21	P01



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Sheet Location Key Plan

Luton Rising
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Kimpton Road, Luton, LU2 0LA
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Development Consent Order

Drawing Title

Figure 1
Location of Proposed Development

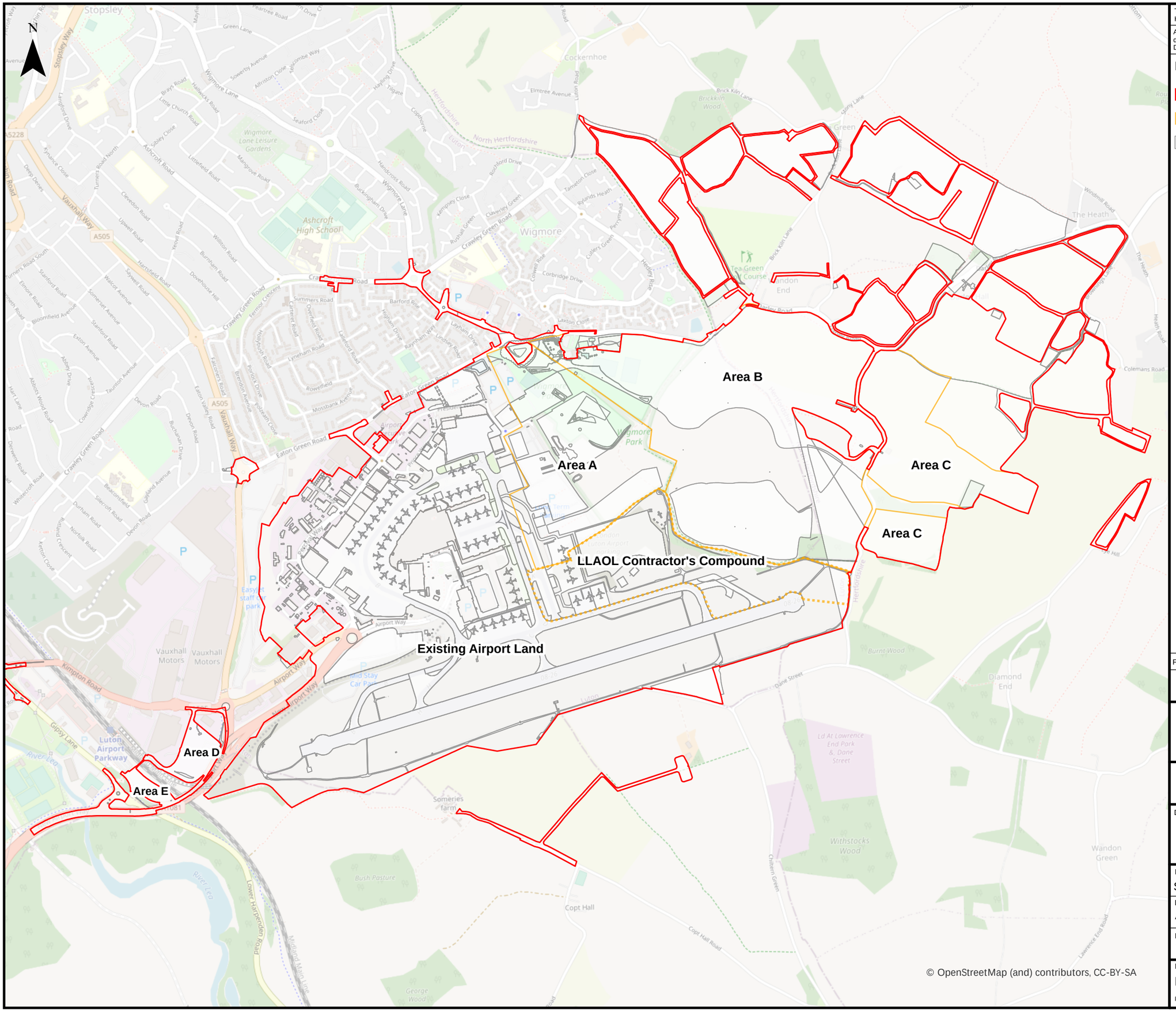
Purpose of issue	Suitability
SUITABLE FOR INFORMATION	S2

Drawn	Checked	Approved	Date	Scale	Size
AB	RB	TB	13/12/21	1:25,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001		

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0155	P01

Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number



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Legend

- Proposed Development Boundary
- Site Subdivisions
- Airport Infrastructure Layout - Phase 1

Revision History	Drawn	Checked / Approved	Date	Rev.
First Issue	AB	RB / TB	13/12/21	P01

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Drawing Title

Figure 2a
Proposed Masterplan - Phase 1

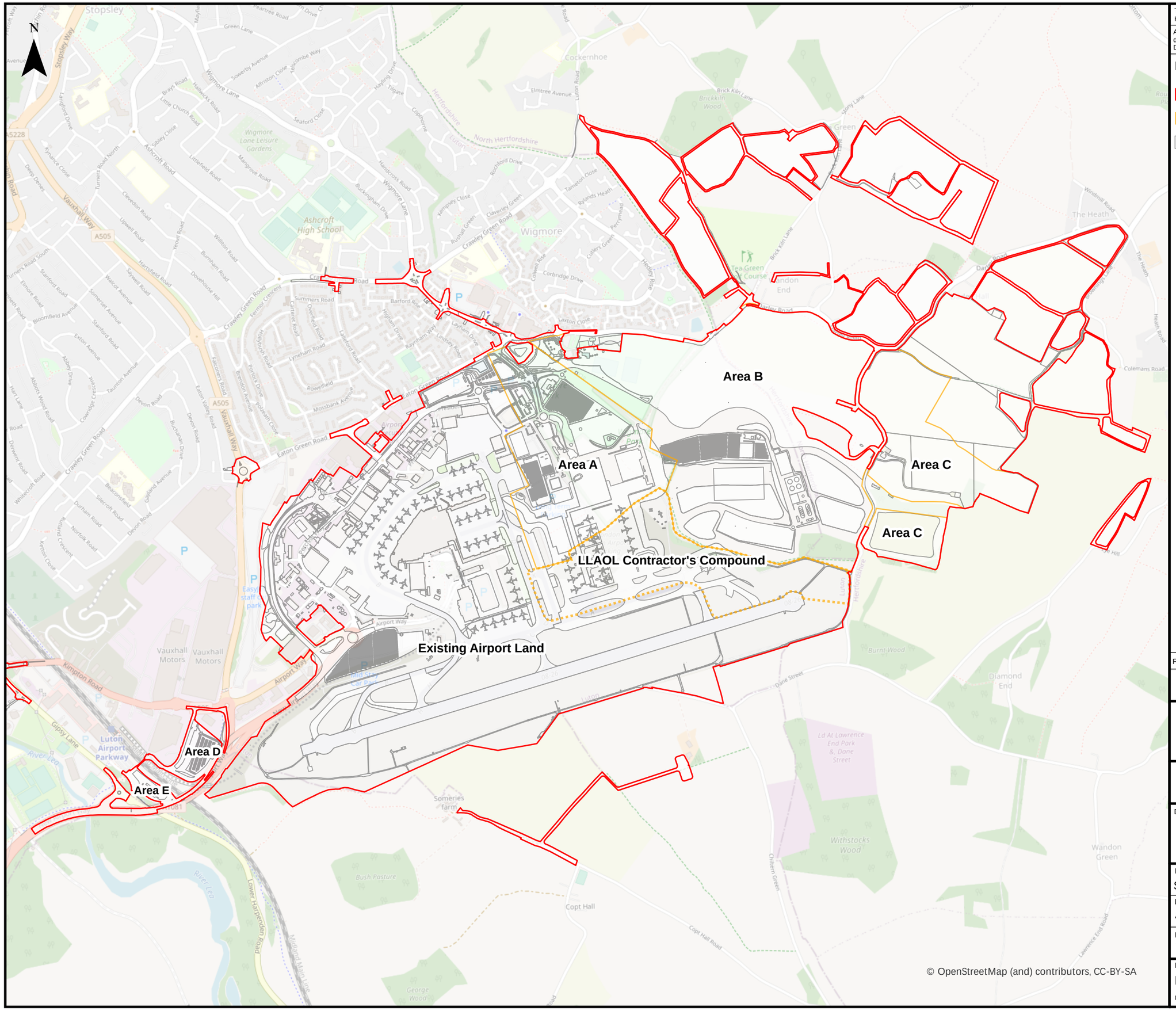
Purpose of issue	Suitability
SUITABLE FOR INFORMATION	S2

Drawn	Checked	Approved	Date	Scale	Size
AB	RB	TB	13/12/21	1:15,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001		

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0156	P01

Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number



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All structure positions are indicative. The proposed works will be subject to detailed design development. The changes will be within limits of deviation specified in the Development Consent Order.

Legend

- Proposed Development Boundary
- Site Subdivisions
- Airport Infrastructure Layout - Phase 2a

Revision History	Drawn	Checked / Approved	Date	Rev.
First Issue	AB	RB / TB	13/12/21	P01

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Drawing Title

Figure 2b
Proposed Masterplan - Phase 2a

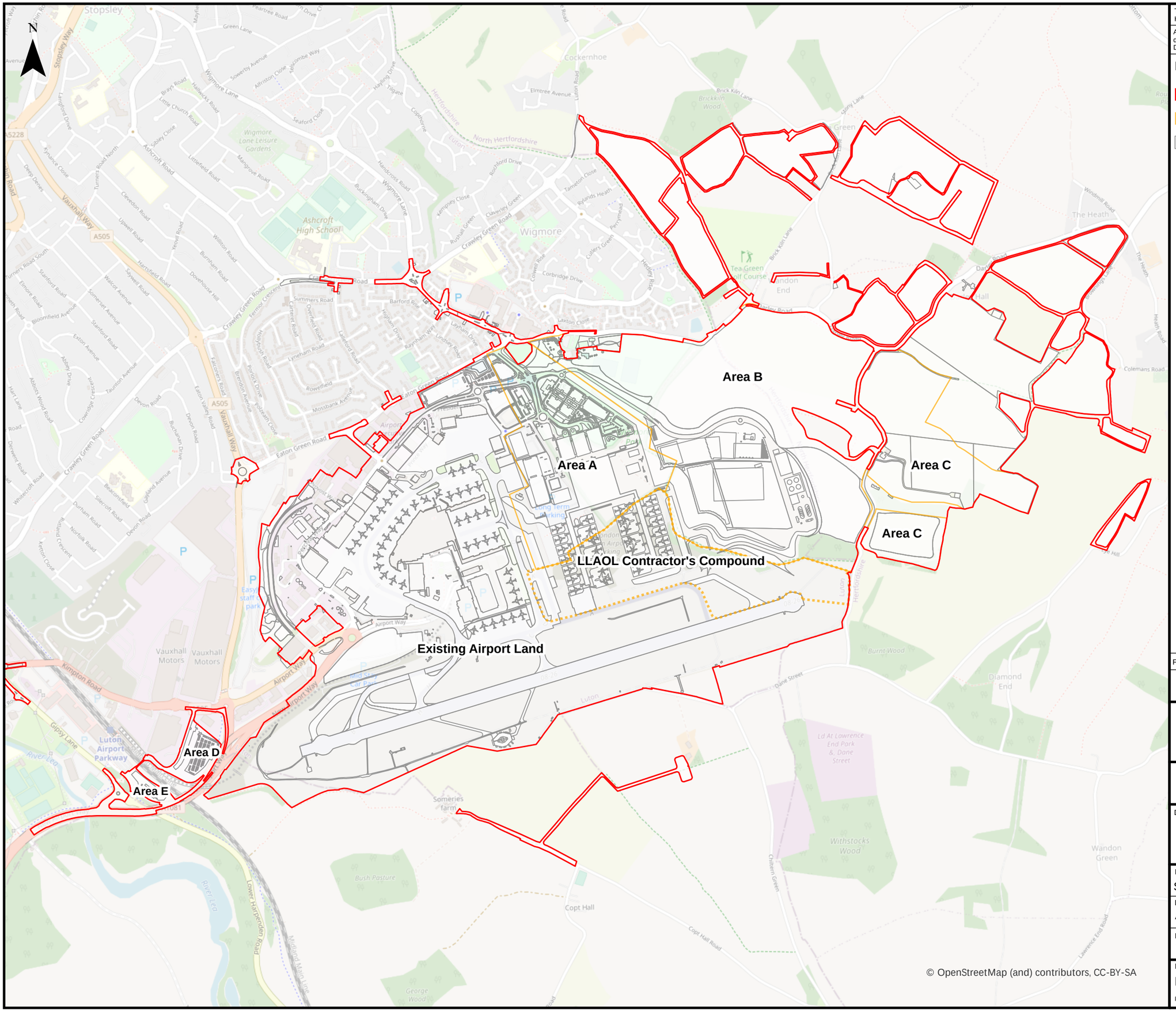
Purpose of issue	Suitability
SUITABLE FOR INFORMATION	S2

Drawn	Checked	Approved	Date	Scale	Size
AB	RB	TB	13/12/21	1:15,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001		

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0157	P01

Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number



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All structure positions are indicative. The proposed works will be subject to detailed design development. The changes will be within limits of deviation specified in the Development Consent Order.

Legend

- Proposed Development Boundary
- Site Subdivisions
- Aiport Infrastructure Layout - Phase 2b

Revision History	Drawn	Checked / Approved	Date	Rev.
First Issue	AB	RB / TB	13/12/21	P01

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Figure 2c
Proposed Masterplan - Phase 2b

Purpose of issue	Suitability
SUITABLE FOR INFORMATION	S2

Drawn	Checked	Approved	Date	Scale	Size
AB	RB	TB	13/12/21	1:15,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001		

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0158	P01

Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number

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Legend

- Proposed Development Boundary
- Off-site Planting
- Airport Access Road
- Site Subdivisions

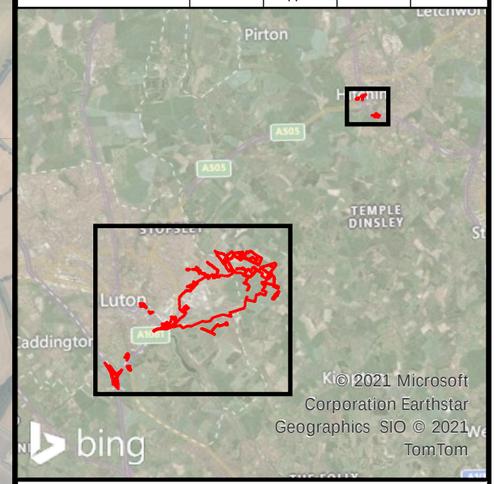
Main Area of New Development

- Existing Airport Land
- LLAOL Contractor's Compound
- Area A Former Landfill
- Area B Land West of Winch Hill Lane
- Area C Land East of Winch Hill Lane

Other Areas

- Area D Offsite Car Park North
- Area E Offsite Car Park South
- Off-site Highway Interventions

First Issue	AB	RB TB	13/12/21	P01
Revision History	Drawn	Checked Approved	Date	Rev.



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Drawing Title

Figure 3
Site Areas

Purpose of issue: SUITABLE FOR INFORMATION				Suitability: S2	
Drawn: AB	Checked: RB	Approved: TB	Date: 13/12/21	Scale: 1:22,500	Size: A3
DCO Application Ref.: TR020001	APFP Regulation:	DCO Document Ref.:			

Drawing Number: LLADCO-3C-ARP-00-00-DR-YE-0159
Revision: P01

Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number

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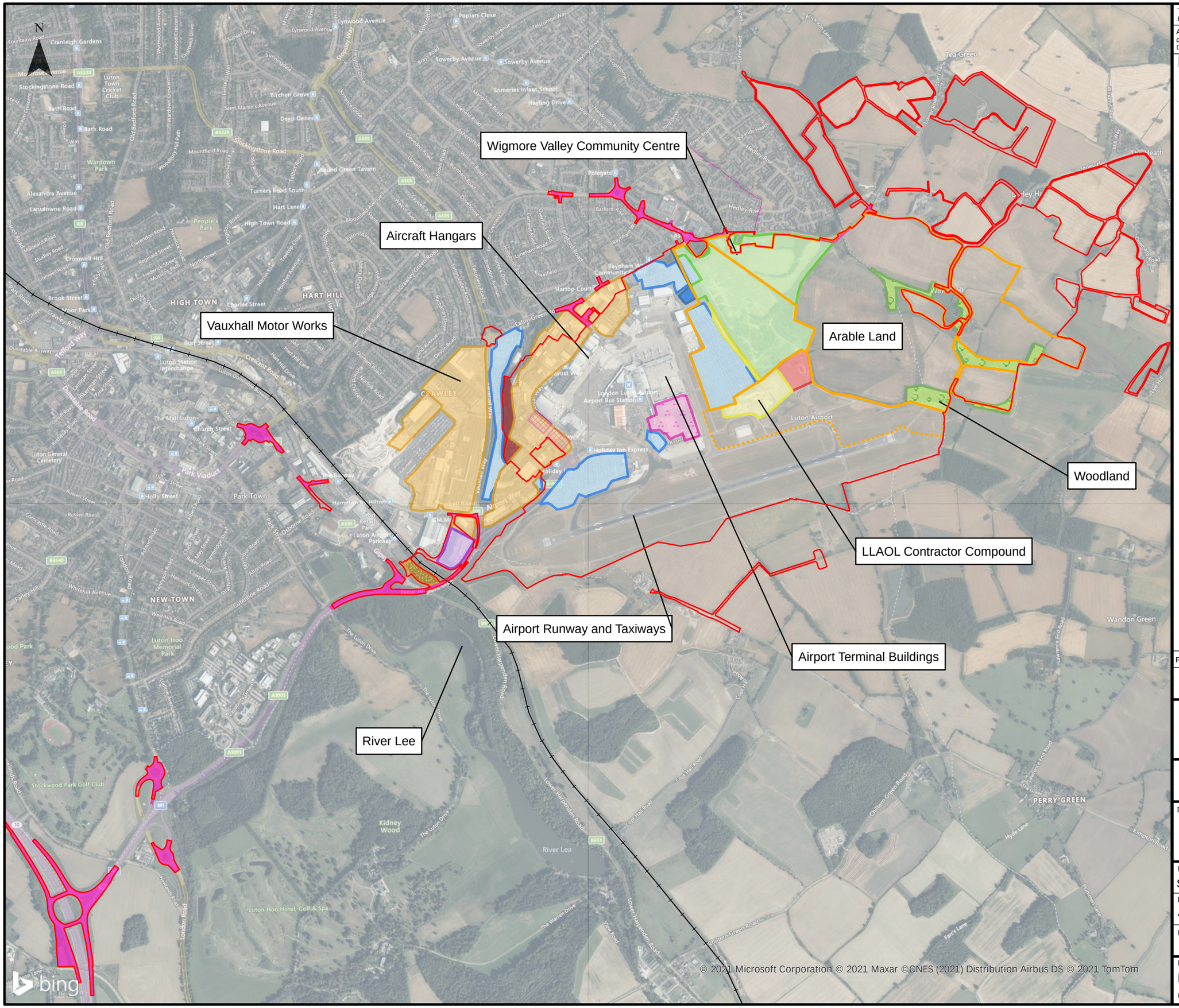

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Legend

- Proposed Development Boundary
- Site Subdivisions

Current Land Use

- Car Parking
- Commerical/Industrial
- DART Construction Area
- DART Contractor's Compound
- Eaton Green Tidy Tip
- Fire Training Area
- Wigmore Valley Park
- LLAOL Contractor compound
- Trailer Park, Car Parking, Service Garage
- Woodlands
- Off-site Highway Interventions
- Undeveloped Landscape
- Fuel Depots
- Existing Railway

Revision History	Drawn	Checked / Approved	Date	Rev.
First Issue	AB	RB / TB	13/12/21	P01

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Drawing Title

Figure 4
Current Land Uses

Purpose of issue	Suitability
SUITABLE FOR INFORMATION	S2

Drawn	Checked	Approved	Date	Scale	Size
AB	RB	TB	13/12/21	1:20,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001		

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0160	P01

Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number

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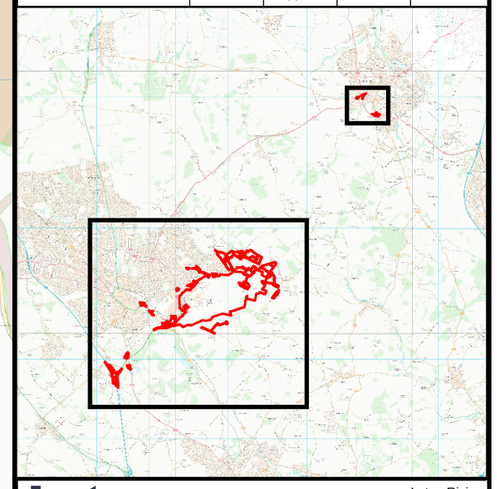
Legend

- Proposed Development Boundary
- Site Subdivisions
- Off-site Highway Interventions

Superficial

- Alluvium
- Clay with flints
- Glaciofluvial deposits
- Head
- Till
- River Terrace Deposits

First Issue	AB	RB TB	07/11/21	P01
Revision History	Drawn	Checked Approved	Date	Rev.



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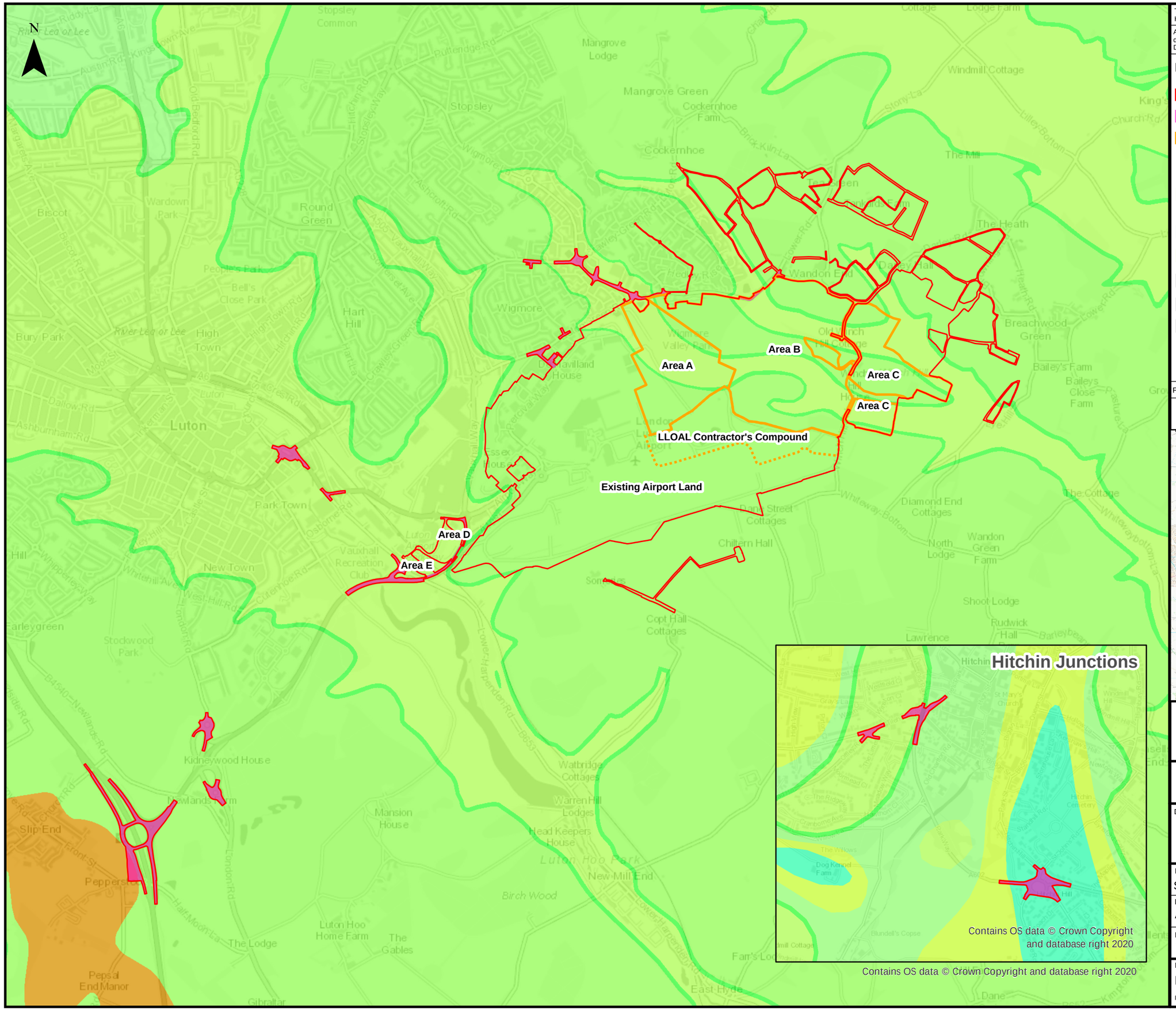
Drawing Title

Figure 5
Superficial Geology

Purpose of issue				Suitability	
SUITABLE FOR INFORMATION				S2	
Drawn	Checked	Approved	Date	Scale	Size
AB	RB	TB	07/12/21	1:25,000	A3
DCO Application Ref.	APFP Regulation	DCO Document Ref.			
TR020001					

Drawing Number: LLADCO-3C-ARP-00-00-DR-YE-0161
Revision: P01

Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number



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Legend

- Proposed Development Boundary
- Off-site Highway Interventions
- Site Subdivisions

Bedrock

- Holywell Nodular Chalk formation New Pit Chalk formation and Undifferentiated
- Zig Zag Chalk Formation
- Lewes Nodular Chalk and Seaford Chalk formation undifferentiated
- Gault Formation - Mudstone
- West Melbury Marly Chalk Formation
- Lambeth Group - Clay, Silt and Sand

Revision History	Drawn	Checked / Approved	Date	Rev.
First Issue	AB	RB / TB	07/12/21	P01

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Figure 6
Bedrock Geology

Purpose of issue	Suitability
SUITABLE FOR INFORMATION	S2

Drawn	Checked	Approved	Date	Scale	Size
AB	RB	TB	07/12/21	1:25,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001		

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0162	P01

Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number

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Legend

- Proposed Development Boundary
- Site Subdivisions
- Watercourse
- Affinity Water potable supply
- Licensed groundwater abstractions
- Private groundwater abstractions
- Waterbody Catchment Areas

Source protection zone

- Inner zone
- Outer zone
- Total catchment

First Issue	AB	RB TB	13/12/21	P01
Revision History	Drawn	Checked Approved	Date	Rev.

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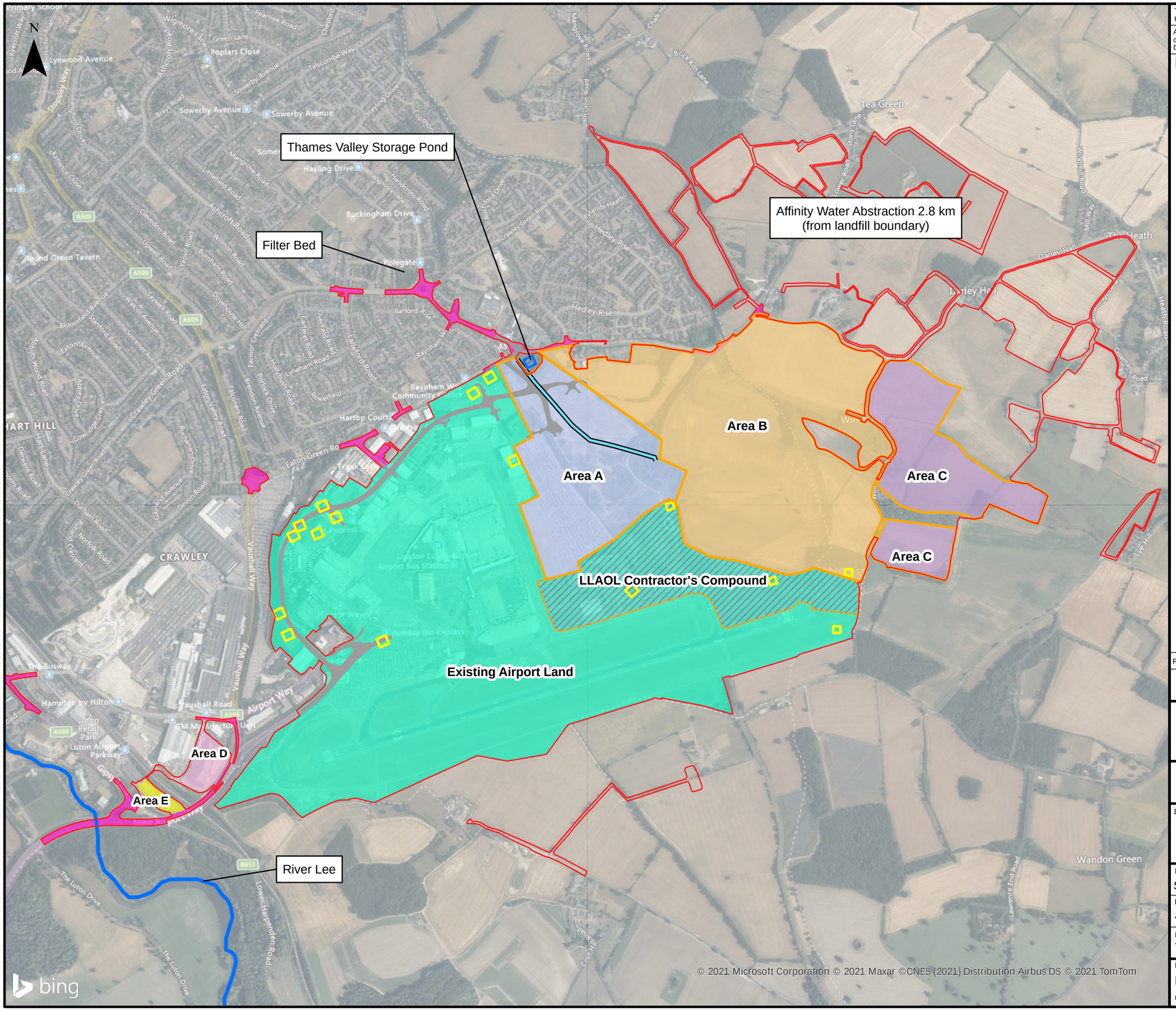
Figure 7
Hydrology & Hydrogeology

Purpose of issue				Suitability	
SUITABLE FOR INFORMATION				S2	
Drawn	Checked	Approved	Date	Scale	Size
AB	RB	TB	13/12/21	1:25,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001		

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0163	P01
Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number	



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Legend

- Proposed Development Boundary
- Site Subdivisions
- Soakaway
- Thames Valley Storage Pond
- Thames Valley Drain
- Airport Access Road
- River Lee

Main Area of New Development

- Existing Airport Land
- LLAOL Contractor's Compound
- Area A Former Landfill
- Area B Land West of Winch Hill Lane
- Area C Land East of Winch Hill Lane

Other Areas

- Area D Offsite Car Park North
- Area E Offsite Car Park South

Revision History	Drawn	Checked / Approved	Date	Rev.
First Issue	AB	RB / TB	07/12/21	P01

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Drawing Title

Figure 8
Existing Water Features within the Proposed Development

Purpose of issue	Suitability
SUITABLE FOR INFORMATION	S2

Drawn	Checked	Approved	Date	Scale	Size
AB	RB	TB	07/12/21	1:15,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001		

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0164	P01

Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number

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Legend

- Proposed Development Boundary
- Site Subdivisions
- AECOM 2019 Luton Airport Landfill
- AECOM 2018 Luton Hangar 24
- Structural Soils 2017 Century Park Access Road
- Structural Soil 2017 Landfill and Century Park
- Concept Site 2015 Luton Airport Terminal Extension
- Delta Simmons 2012 Taxiway Foxtrot
- Soil Engineering 2012 Luton Airport FBO
- RSK 2012 Ocean Sky Building and Short Stay Car Park
- Wardell Armstrong 2008 Stirling Place
- RSA 2004 LLA Hangar and Taxiway Extension
- Fugro 2003
- British Geological Society

First Issue	AB	RB TB	13/12/21	P01
Revision History	Drawn	Checked Approved	Date	Rev.

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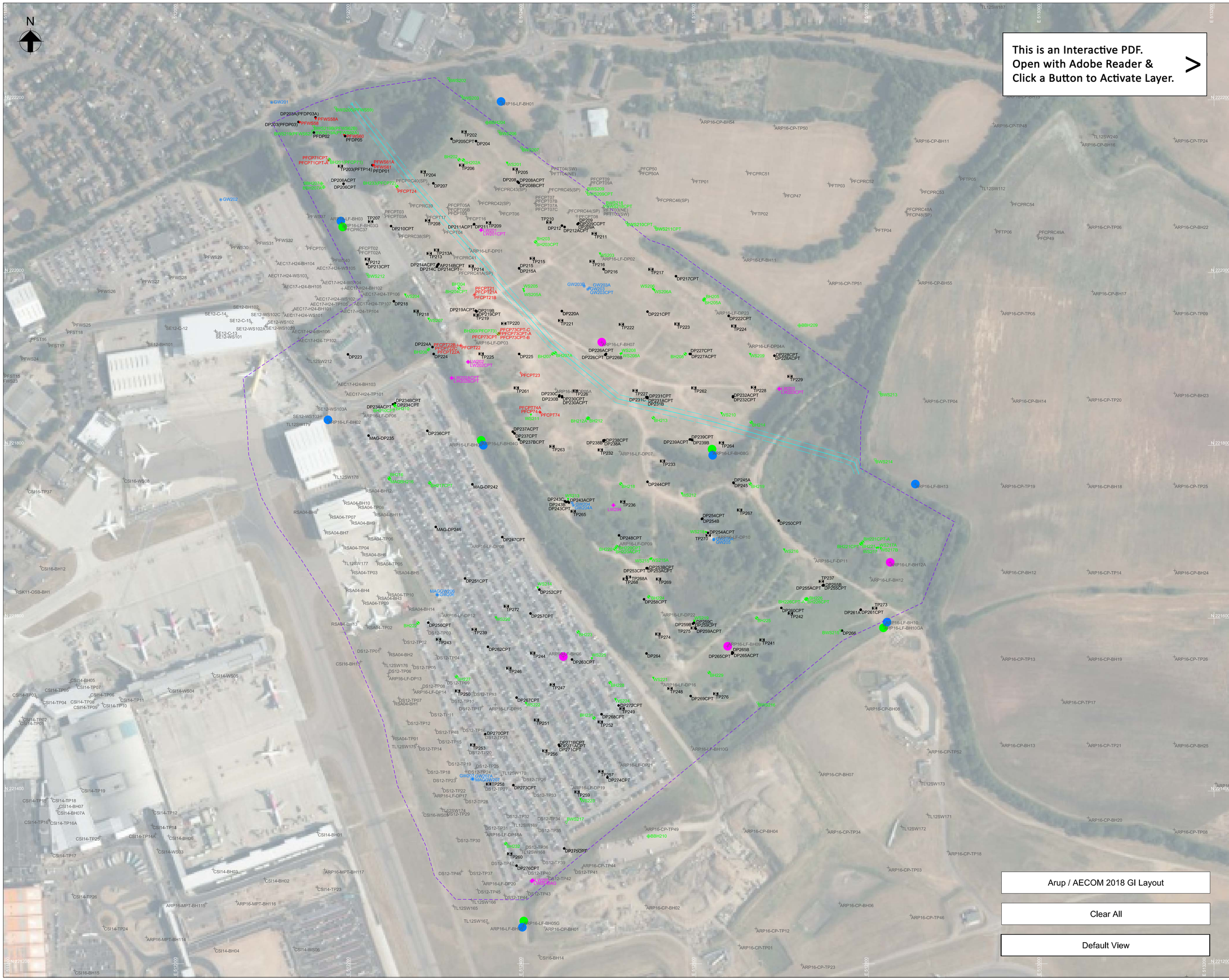
Drawing Title

Figure 9
Previous Ground Investigation (GI) Locations

Purpose of issue				Suitability	
SUITABLE FOR INFORMATION				S2	
Drawn	Checked	Approved	Date	Scale	Size
AB	RB	TB	13/12/21	1:15,000	A3
DCO Application Ref.	APFP Regulation	DCO Document Ref.			
TR020001					

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0165	P01

Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number



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Legend

- Indicative Landfill Extents
- Thames Valley Drain (CCTV survey)

Previous GI Location

ARP16-CP-BH55
Hole Location | Consultant / Contractor | Year | Area | Hole Name/Number

Previous Installation Location and Type

Leachate | Gas | Groundwater

GI Location

- BH201 - 233 Boreholes
- BBH201 - 211 Boundary Borehole
- BWS201 - 220 Boundary Window Sample
- WS201 - 223 Window Sample
- GW201 - 207 Groundwater Hole
- LW201 - 205 Leachate Borehole
- DP201 - 280 Dynamic Probehole
- TP201 - 260 Shallow Trial Pits (max depth 4.5m)
- TP261 - 276 Deep Trial Pits (max depth 6m)

Pell Frischmann GI Locations

- PFCP49

Install Type

Colour of proposed location denotes the install type:

- Green Gas
- Blue Groundwater
- Pink Leachate

Notes

1. Do not scale from this drawing.
2. All levels are in metres above ordnance datum unless noted otherwise.
3. These drawings are primarily intended to be viewed electronically. Some details may not be clear or visible on a printed version.
4. This is an interactive 2D PDF. For Full intereactivity it is recommended that the original digitial version is opened and viewed using Adobe Reader 7.0 or higher.

Issue	IJ	RB	TB	16/12/21	P01
Revision History	Drawn	Checked	Approved	Date	Rev.

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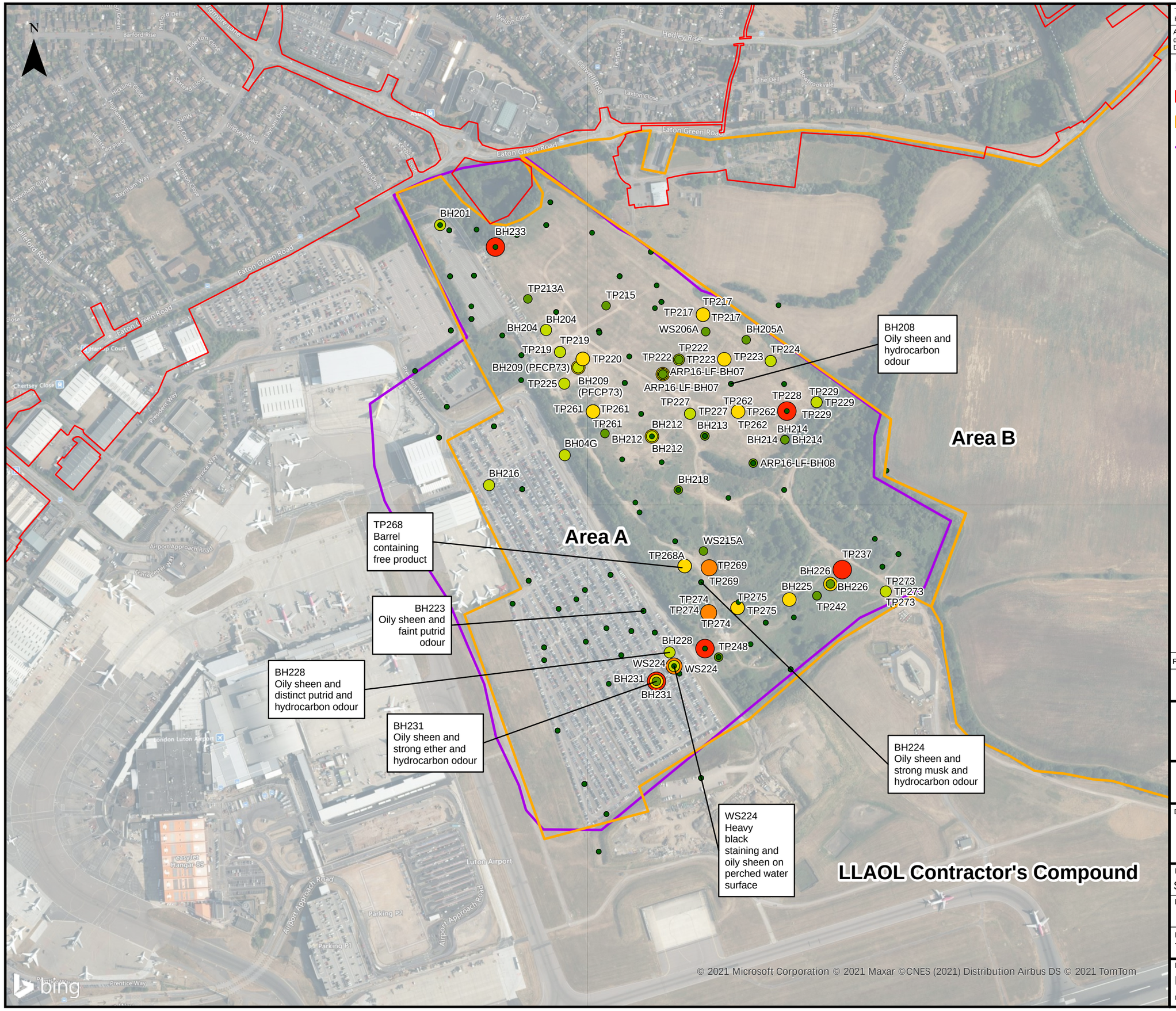
Drawing Title

Figure 10
Ground Investigation on Area A
Former Landfill

Purpose of issue				Suitability
SUITABLE FOR COORDINATION				S2
Drawn	Checked	Approved	Date	Scale	Size
IJ	RB	TB	16/12/21	1:2000	A1
DCO Application Ref.	APFP Regulation	DCO Document Ref.			
TR020001					

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0166	P01
Project – Phase – Originator – AssetZone – Sub Asset – Type – Discp. – Number	



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Legend

- Proposed Development Boundary
- Site Subdivisions
- Interpreted Landfill Boundary

Max recorded PID Level

- > 0 - 10 ppm
- 10 - 25 ppm
- 25 - 50 ppm
- 50 - 100 ppm
- 100 - 200 ppm
- 200 - 400 ppm

Revision History	Drawn	Checked / Approved	Date	Rev.
First Issue	AB	RB / TB	13/12/21	P01

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Drawing Title

Figure 11
Max Recorded PID Levels and Visual / Olfactory Observations of Contamination

Purpose of issue	Suitability
SUITABLE FOR INFORMATION	S2

Drawn	Checked	Approved	Date	Scale	Size
AB	RB	TB	13/12/21	1:5,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001		

Drawing Number	Revision
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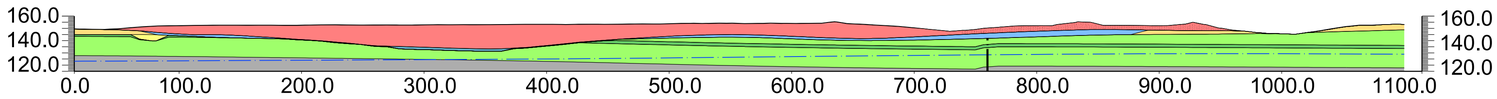
Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number



Existing Conditions - Natural Scale

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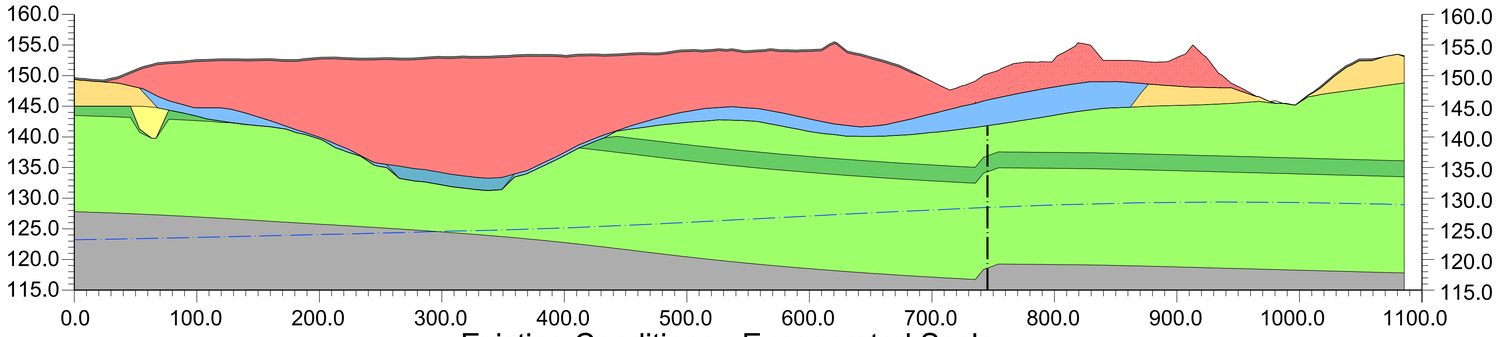

Existing Conditions - Exaggerated Scale

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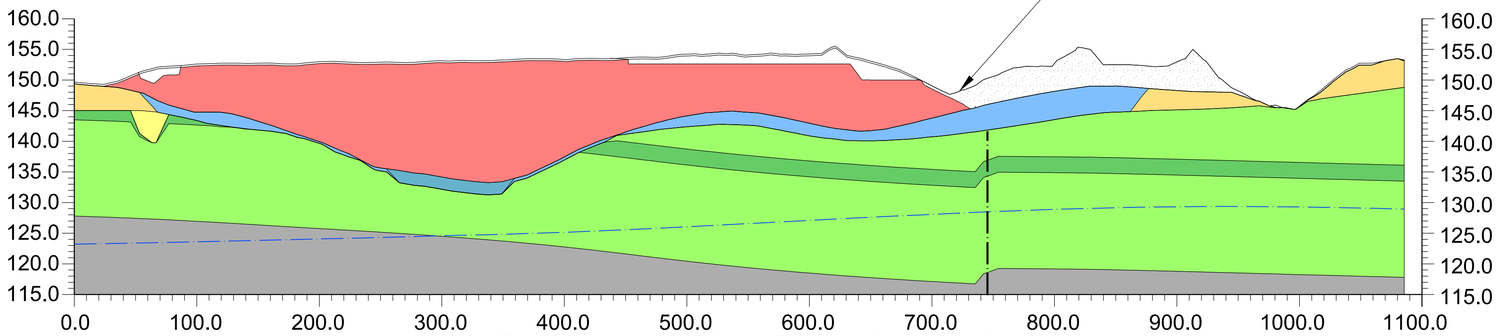
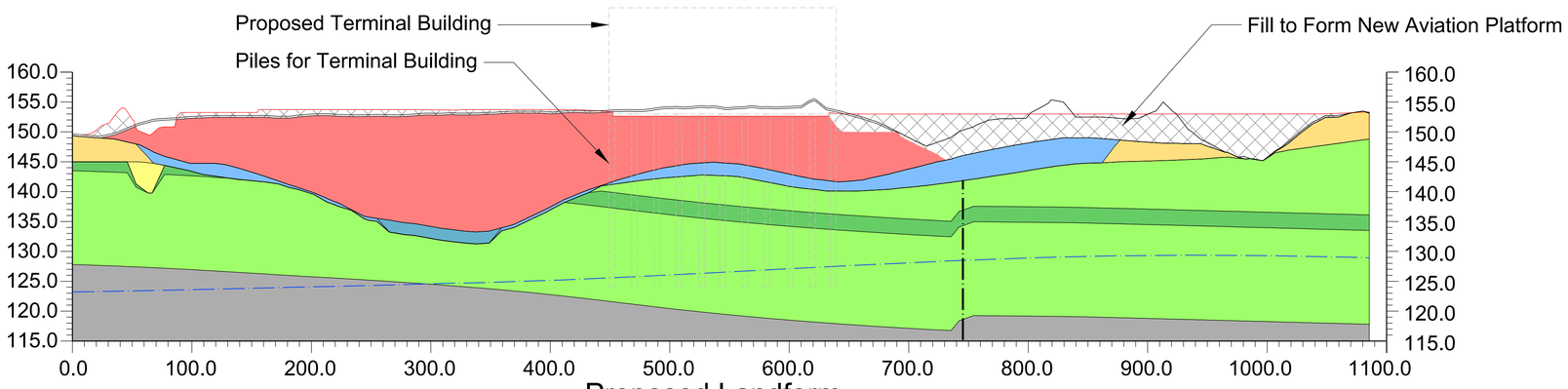


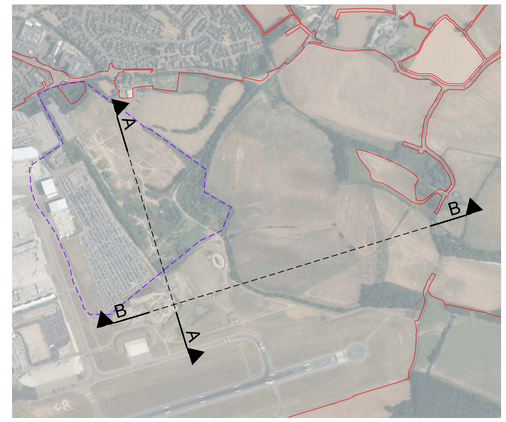
Excavate to Achieve Formation Level

Scale H=1:2500 V=1:500



Proposed Landform

Scale H=1:2500 V=1:500



Key Plan

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Legend

- Landfill
- Made Ground
- Dry Valley Deposits
- Head
- Clay with Flints
- Solution Feature
- Lewes Nodular Chalk Formation
- Chalk Rock Member
- New Pit Chalk Formation
- Proposed Platform
- Landscape Fill Area
- Interpreted Fault
- 'Worst Case' Groundwater Level for design
- Proposed Finished Surface

Notes

1. Do not scale from this drawing.
2. All levels are in metres above ordnance datum unless noted otherwise.
3. These drawings are primarily intended to be viewed electronically. Some details may not be clear or visible on a printed version.
4. Strata and other levels have been drawn from interpolated 3D models of various boundaries logged in trial pits and boreholes, topographical data and data from geological maps etc.
   It is intended to provide a guide as to likely ground conditions and as such should be regarded as indicative. It is recommended that design decisions made on the basis of this information are confirmed by investigation.
5. Bing Maps Aerial - © 2021 Microsoft Corporation © 2021 Maxar ©CNES (2021) Distribution Airbus DS

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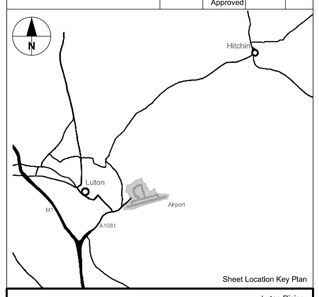
Issue	IJ	RB / TB	16/12/21	P01



Sheet Location Key Plan

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Figure 12
Earthworks Stage 2 Design
Section A-A

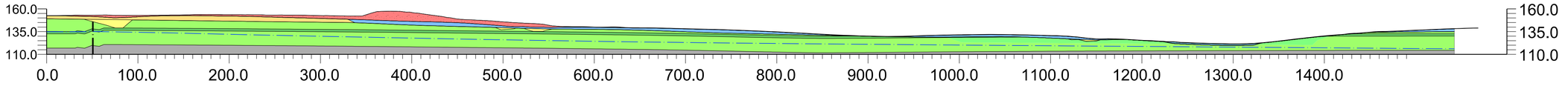
Purpose of issue	Suitability
SUITABLE FOR COORDINATION	S2

Drawn	Checked	Approved	Date	Scale	Size
IJ	RB	TB	16/12/21	1:100	A1

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001		

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0168	P01

Project – Phase – Originator – AssetZone – Sub Asset – Type – Discp. – Number



Existing Conditions - Natural Scale

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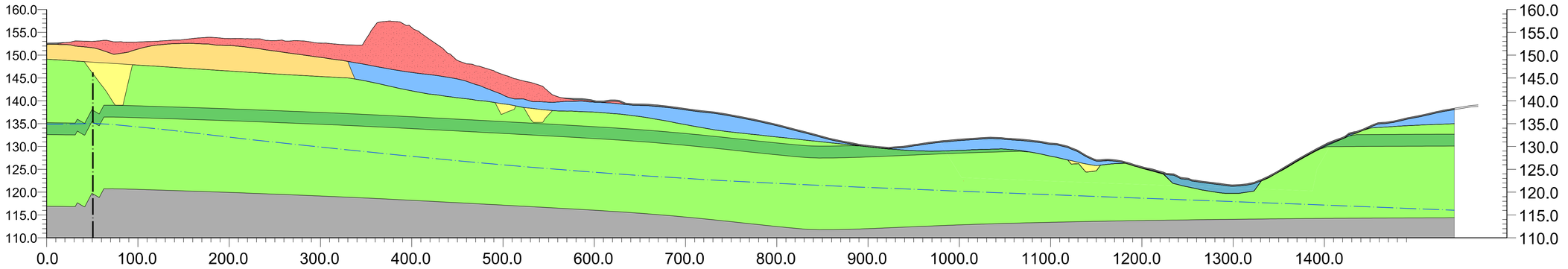
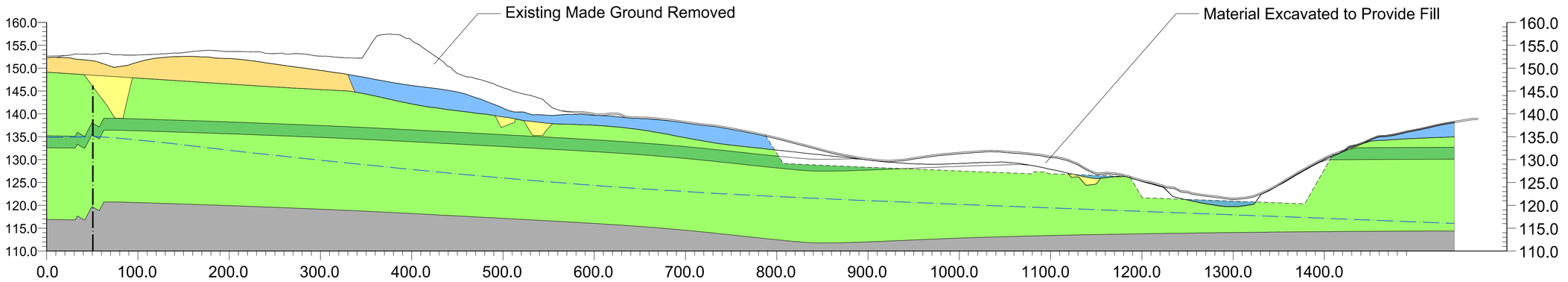


Existing Conditions

Scale H=1:2500 V=1:500



Excavate to Achieve Formation Level

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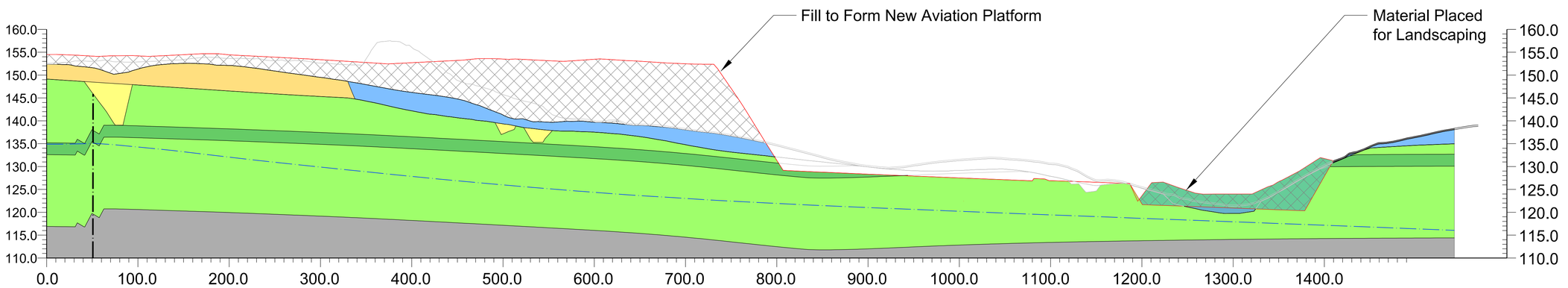

Proposed Landform

Scale H=1:2500 V=1:500

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Legend

- Made Ground
- Dry Valley Deposits
- Head
- Clay with Flints
- Solution Feature
- Lewes Nodular Chalk Formation
- Chalk Rock Member
- New Pit Chalk Formation
- Proposed Platform
- Landscape Fill Area
- Interpreted Fault
- 'Worst Case' Groundwater Level for design
- Proposed Finished Surface

Notes

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Issue	IJ	RB / TB	16/12/21	P01

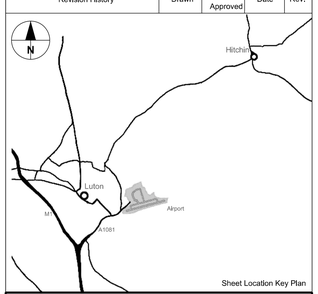

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Figure 13
Earthworks Stage 2 Design
Section B-B

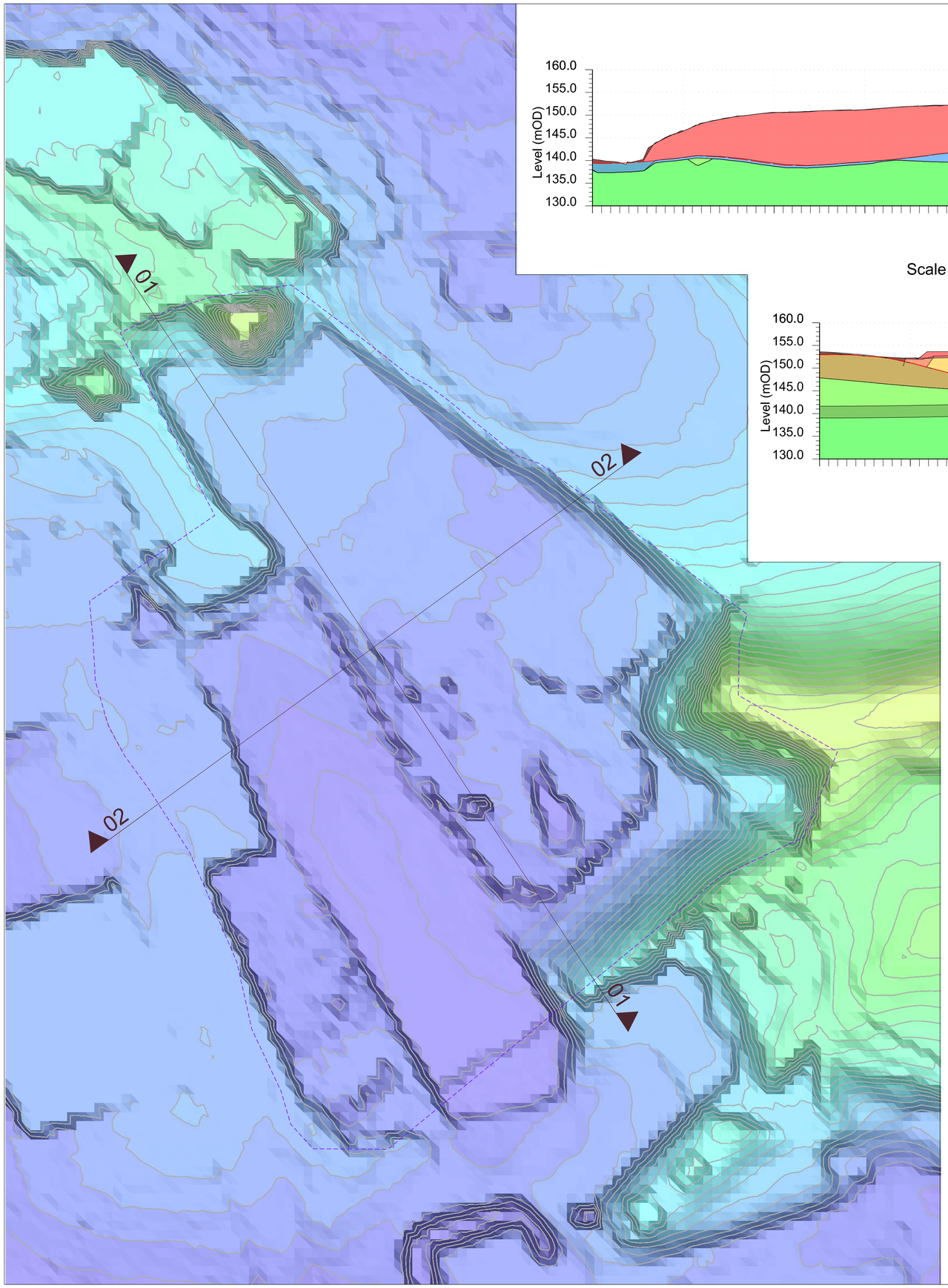
Purpose of issue	Suitability
SUITABLE FOR COORDINATION	S2

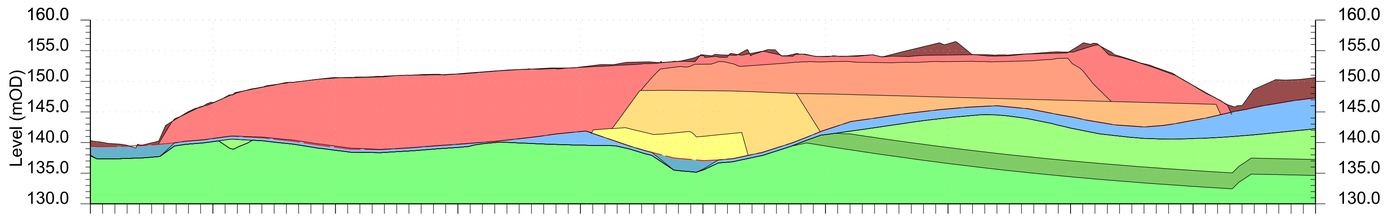
Drawn	Checked	Approved	Date	Scale	Size
IJ	RB	TB	16/12/21	1:100	A1

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001		

Drawing Number: LLADCO-3C-ARP-00-00-DR-YE-0169
Project – Phase – Originator – AssetZone – Sub Asset – Type – Discp. – Number

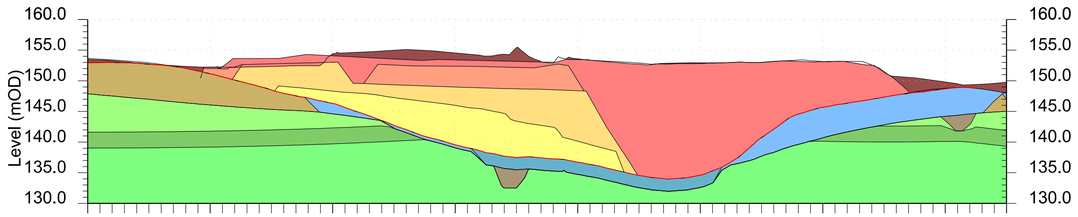
Revision: P01





Section 01

Scale = Horizontal 1:5000 Vertical 1:1000



Section 02

Scale = Horizontal 1:5000 Vertical 1:1000

Interactive Buttons

Click to Cycle through Interpreted Filling Periods

- Before Filling
- Up to 1947
- 1947 - 1955
- 1955 - 1960
- 1960 - 1970
- 1970 - 1980
- Post 1982

Plan Legend:

Mapped Extent of Landfill from Historical Aerials

Section Legend:

- Base of Made Ground / Top of Natural Ground
- Made Ground Post 1980
- Dry Valley Deposits
- Head
- Clay with Flints
- Pipe
- Lewes Nodular Chalk
- Chalk Rock

Landfill Waste Ages of Filling:
- 1970 - 1980
- 1960 - 1970
- 1955 - 1960
- 1947 - 1955
- Pre 1947

Colour Coded Height Map of Historical Levels (mOD)

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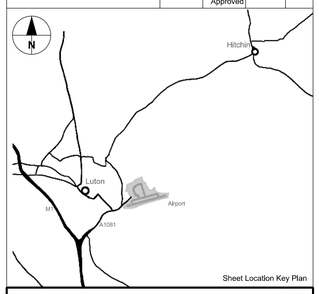

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Figure 14
Periods of Landfill Filling

Purpose of issue	Suitability
SUITABLE FOR COORDINATION	S2

Drawn	Checked	Approved	Date	Scale	Size
IJ	RB	TB	16/12/21	1:2500	A1

DCO Application Ref.	APFP Regulation	DCO Document Ref.
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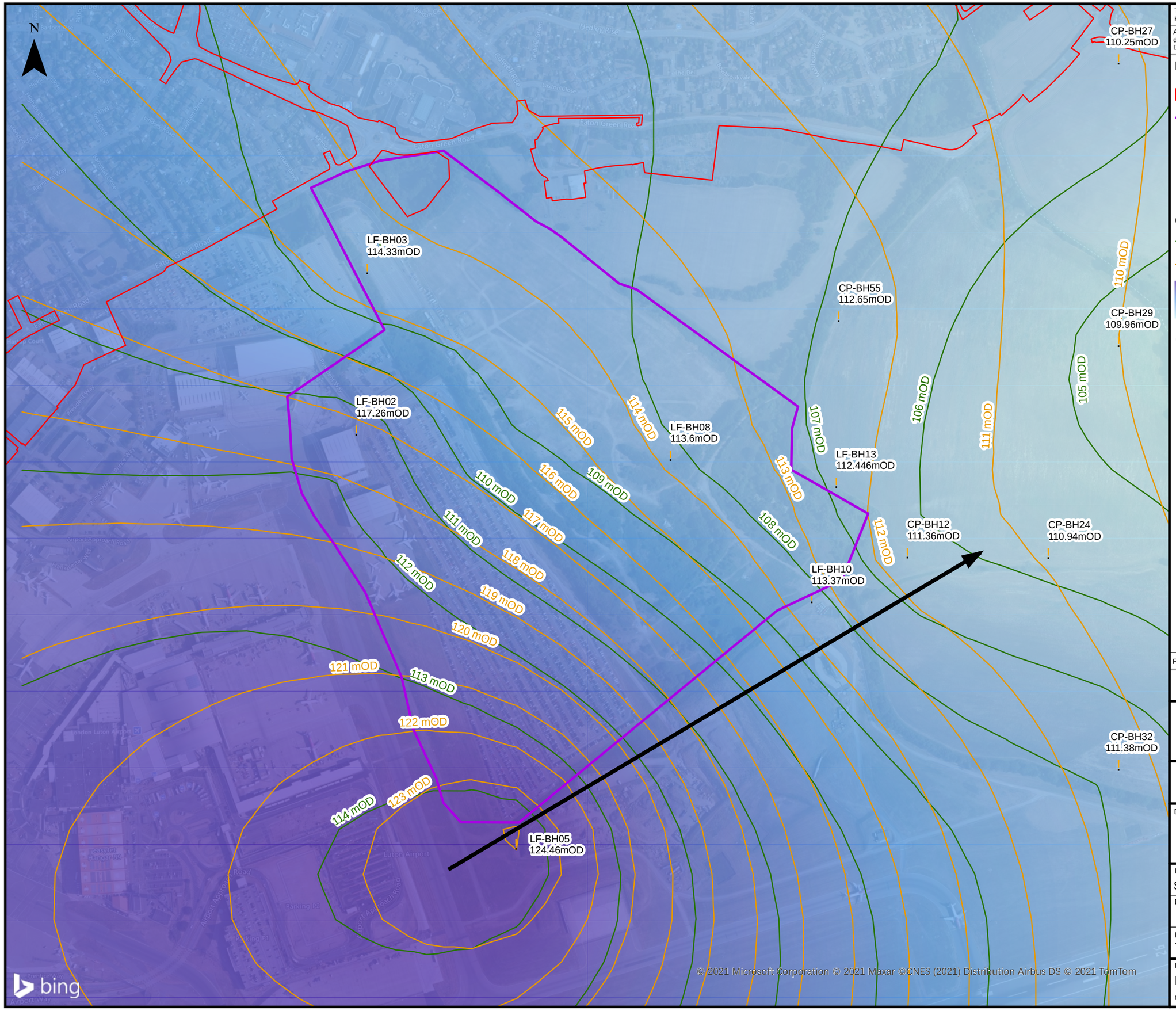
Drawing Number: LLADCO-3C-ARP-00-00-DR-YE-0170
Project – Phase – Originator – AssetZone – Sub Asset – Type – Discp. – Number

Revision: P01



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Legend

- Proposed Development Boundary
- Interpreted Landfill Boundary
- Monitoring well location
  - xxmAOD - maximum recorded groundwater level

Minimum and Maximum Groundwater Levels

- Minimum 1m Contours
- Maximum 1m Contour
- High : 114.46
- Low : 85.6
- Interpreted Flow Direction

First Issue	AB	RB TB	15/12/21	P01
Revision History	Drawn	Checked Approved	Date	Rev.

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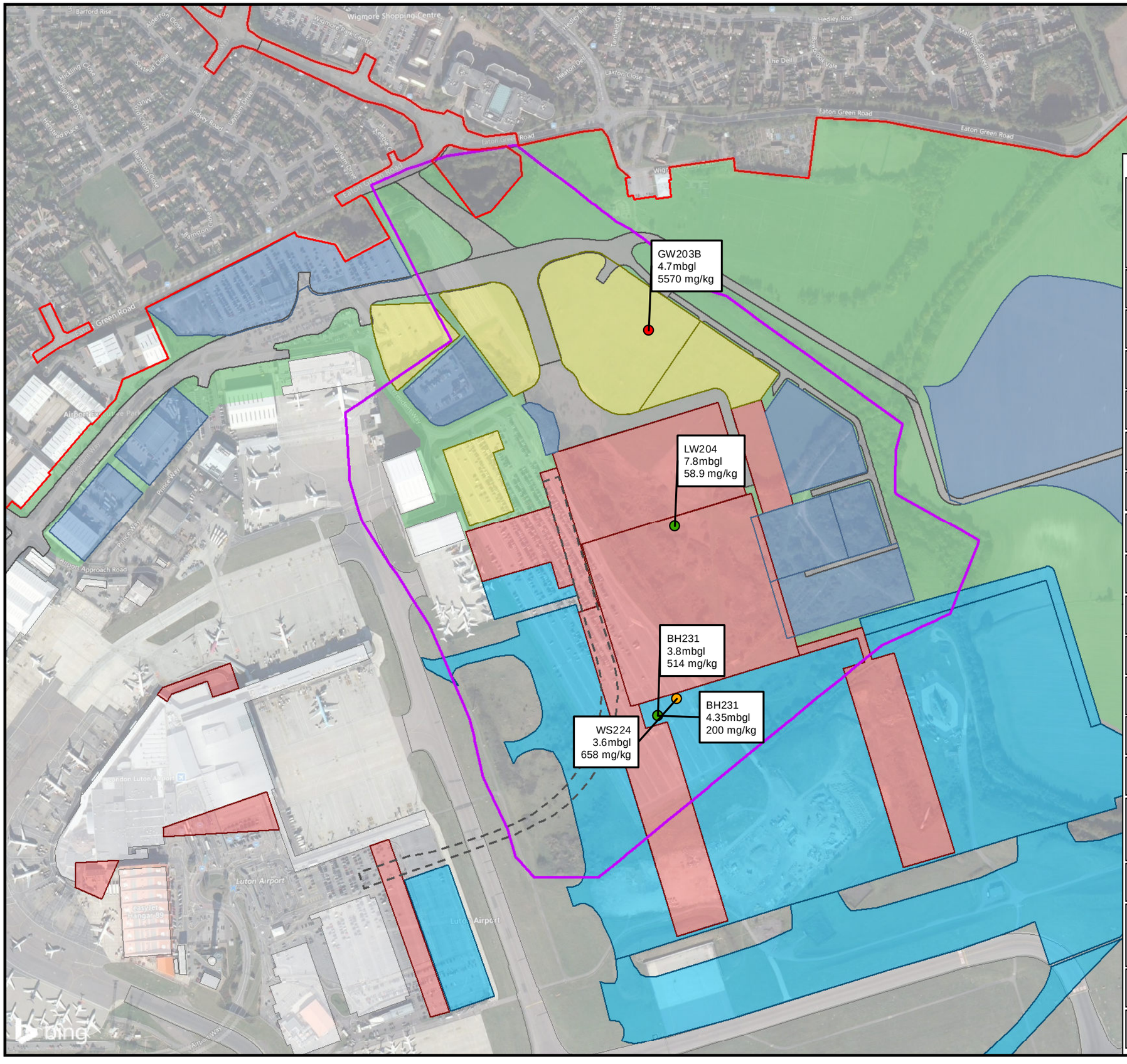
Drawing Title

Figure 15
Minimum and Maximum Groundwater Level

Purpose of issue	Suitability					
SUITABLE FOR INFORMATION	S2					
Drawn	Checked	Approved	Date	Scale	Size	
AB	RB	TB	15/12/21	1:5,000	A3	
DCO Application Ref.	APFP Regulation	DCO Document Ref.				
TR020001						

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0171	P01
Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number	



Interactive Options:

- 1,2,4-Trimethylbenzene
  - 39.4 - 394 mg/kg
  - 394 - 3,940 mg/kg
  - 3,940 - 39,400 mg/kg
- 2-Methylnaphthalene
  - 193 - 1,930 mg/kg
- Benzo(a)anthracene
  - 48.8 - 488 mg/kg
- Benzo(a)pyrene
  - 10.8 - 108 mg/kg
- Benzo(b)fluoranthene
  - 13.2 -132 mg/kg
- Beryllium
  - 11.7 - 117 mg/kg
- Bis(2-chloroethoxy)methane
  - 0.956 - 9.56 mg/kg
- Carbazole
  - 10.8 - 108 mg/kg
- Chromium
  - 8,670 - 86,700 mg/kg
- Chrysene
  - 91 - 910 mg/kg
- Copper
  - 44,400 - 444,000 mg/kg
- Dibenzo(ah)anthracene
  - 1.15 - 11.5 mg/kg
- Dibenzofuran
  - 11.7 - 117.0 mg/kg
- Indeno(1,2,3-cd) pyrene
  - 44 - 440 mg/kg
- Lead
  - 1,300 - 13,000 mg/kg
  - 13,000 - 130,000 mg/kg
- Naphthalene
  - 193 - 1,930 mg/kg
- Nickel
  - 804 - 8,040 mg/kg
  - 8,040 - 80,400 mg/kg
- TPH Aliphatics >C8-10
  - 2,000 - 20,000 mg/kg
- TPH Aromatics >C21-35
  - 7,820 - 78,200 mg/kg

Legend

- Proposed Development Boundary
- Interpreted Landfill Boundary

Proposed Zones

- Airfield Works
- Airport Support Facilities
- Terminal and Associated Works

Human Health Exceedance

- x10
- x100
- x1000

Exceedance above Generic Assessment Criteria (GAC)

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Figure 16
Human Health Exceedances

Purpose of issue	Suitability
SUITABLE FOR INFORMATION	S2

Drawn	Checked	Approved	Date	Scale	Size
AB	RB	TB	15/12/21	1:5,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
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Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0172	P01

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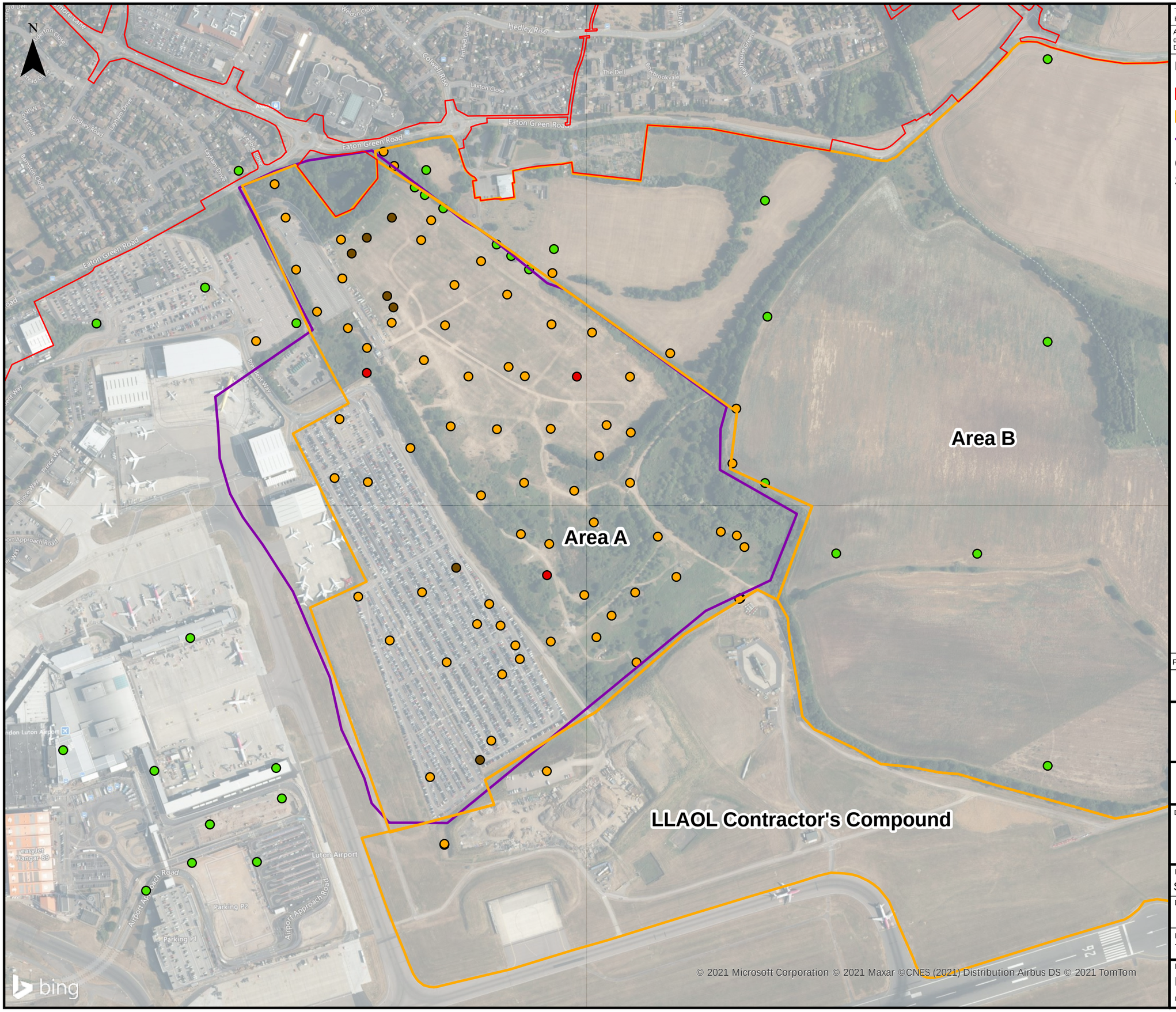

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Legend

- Proposed Development Boundary
- Site Areas
- Interpreted Landfill Boundary

Ground Gas Characteristic Situation

- CS1
- CS2
- CS3
- CS4

Revision History	Drawn	Checked / Approved	Date	Rev.
First Issue	AB	RB / TB	13/12/21	P01

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Figure 17
Ground Gas Assessment

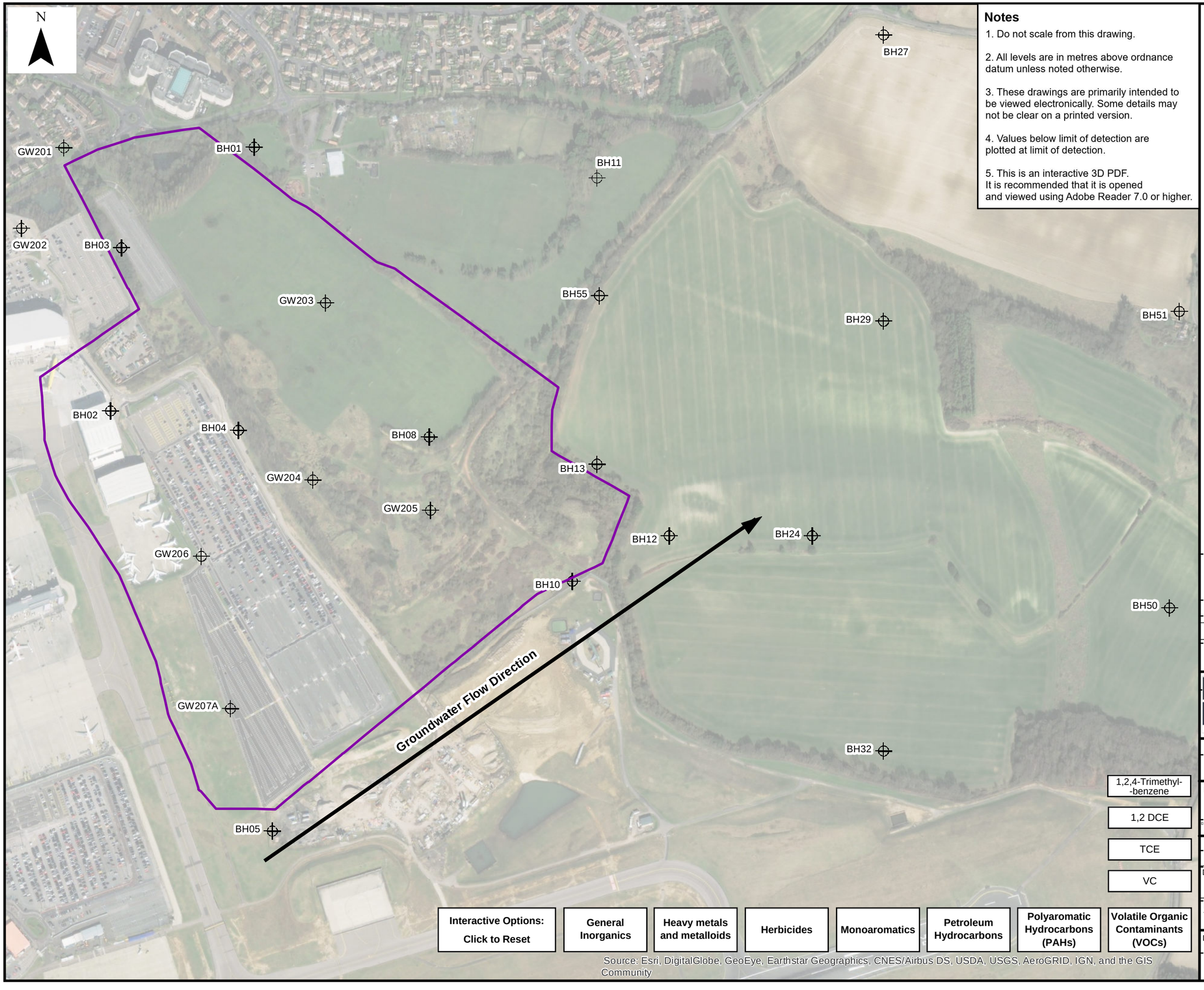
Purpose of issue	Suitability
SUITABLE FOR INFORMATION	S2

Drawn	Checked	Approved	Date	Scale	Size
AB	RB	TB	13/12/21	1:5,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001		

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0173	P01

Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number



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Drawing Title

Figure 18
Controlled water risk assessment contamination review

Purpose of issue	Suitability
SUITABLE FOR INFORMATION	S2

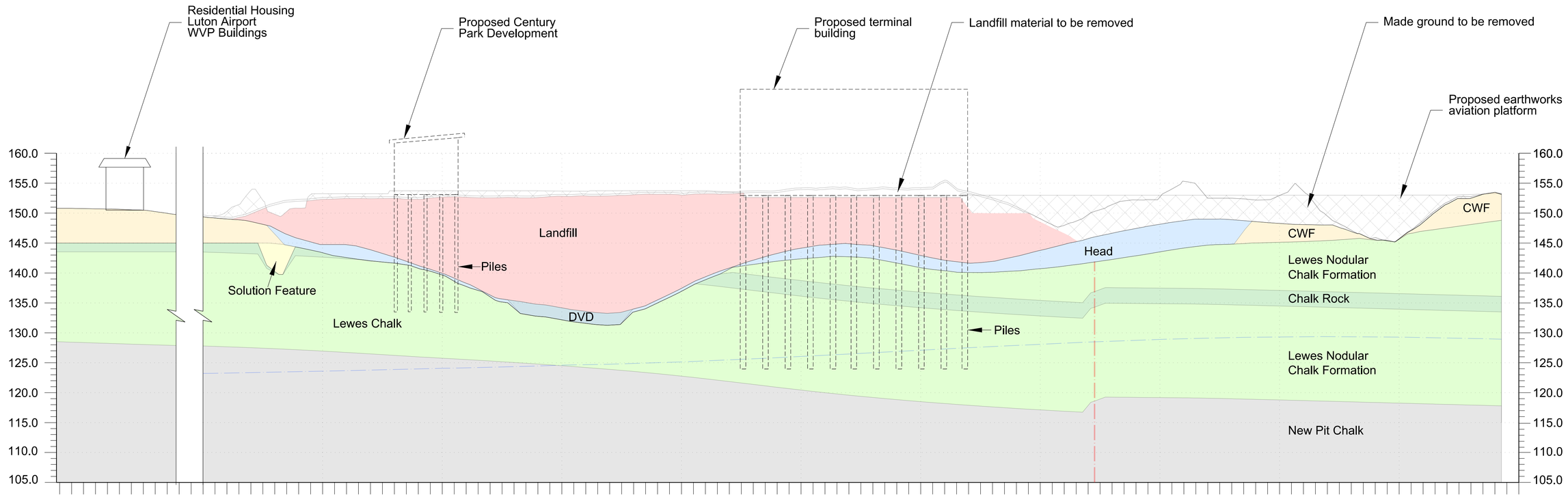
Drawn	Checked	Approved	Date	Scale	Size
AB	RB	TB	15/12/21	1:5,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001		

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0174	P01

Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number

Section A-A



Interactive Buttons

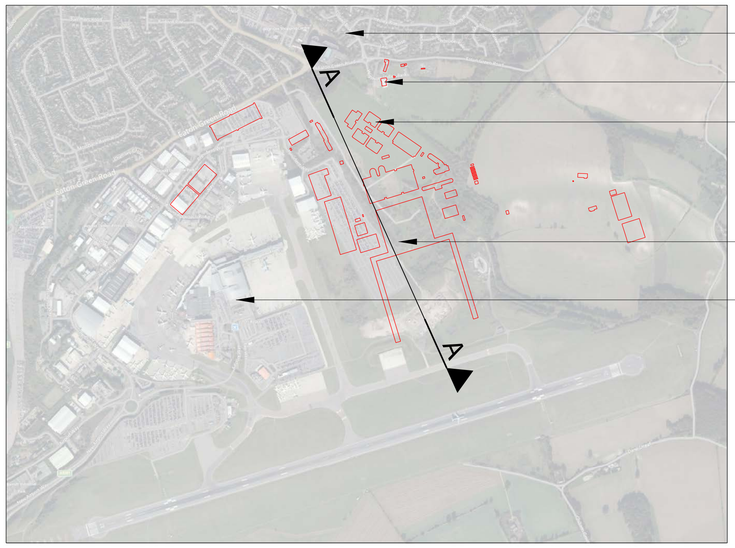
Please Note: This is an interactive PDF. Either the Conceptual Site Model Potential Contaminant Linkage No. (see GQRA Table 13-1) or the sources below can be clicked to display the relevant pathway and receptors.

Conceptual Site Model Potential Contaminant Linkage No.

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41

Sources	Pathways	Receptors
1 Landfill ground gas + vapour	i Migration	A Future site users
2 Volatile radionuclides in landfill	ii Inhalation	B Adjacent site users
3 Landfill waste	iii Dermal contact/ingestion	C Construction workers
4 Japanese knotweed	iv Driving of contaminants downwards by piling	D Future maintenance workers
5 Landfill leachate	v Direct contact	E Principal chalk aquifer
6 Perched water in landfill	vi Plant uptake	F Foundations /floor slabs and buried concrete
7 Made ground contaminants		G Planting
8 Contaminants in groundwater		H Potable water extraction
9 UXO		J Drainage and pavements

Legend



Key Plan

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Figure 19
Conceptual Site Model (CSM)

Purpose of issue	Suitability
SUITABLE FOR COORDINATION	S2

Drawn	Checked	Approved	Date	Scale	Size
IJ	RB	TB	16/12/21	NTS	A1

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001		

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0175	P01

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Appendix A - Former Landfill Ground Investigation Strategy

London Luton Airport Limited

London Luton Airport Expansion

Ground Investigation Strategy

Rev A | 12 March 2018

This report takes into account the particular instructions and requirements of our client.

It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.

Job number 245580

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ARUP

Document Verification

ARUP

Job title		London Luton Airport Expansion		**Job number** 245580
Document title		Ground Investigation Strategy		**File reference**
Document ref				
Revision	**Date**	**Filename**	2017-12-14 GI strategy report ISSUE.docx	
Issue	14 Dec 2017	**Description**		
			Prepared by	Checked by	Approved by
		Name	[redacted]	[redacted]	[redacted]
		Signature	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	**Filename**	2018-03-05 GI strategy report_RevA DRAFT.docx	
		Description	Updated to reflect changes in GI scope	
			Prepared by	Checked by	Approved by
		Name	[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]	[redacted]
		[redacted]			
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1.2 Summary of Previous Work with respect to Contamination 2

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Figure 1 Ground Investigation location plan

Appendix A

Conceptual Site Model from DQRA

Appendix B

Supplementary gas and groundwater sampling and monitoring programme

1 Introduction

London Luton Airport Limited (LLAL) intends to submit an application for a development consent order (DCO) for expansion of London Luton Airport.

The masterplan for this expansion is currently being developed and it is envisaged that it will involve development of a former landfill adjacent to the airport. The former landfill occupies an area of 53 hectares[1] and was previously known as Eaton Green Landfill.

The extent of development is not yet determined, however sufficient ground investigation is required to characterise the potential risks associated with development of the former landfill and any mitigation measures which are likely to be required.

This report sets out the strategy for further ground investigation of the landfill. It is a working document and will be updated as the masterplan for the site is developed.

1.1 Previous Ground Investigations

A Preliminary Risk Assessment (PRA)[2] has been undertaken for the site, which reviewed in detail the site and environment setting, site history, previous site investigation records, geology, hydrology and hydrogeology. The PRA identified that records available from previous site investigations undertaken at the landfill were limited to the western edge of the landfill. These investigations were:

- Soil Engineering (2012) Factual report on a ground investigation for Luton Airport FBO
- Delta Simons (2012) Preliminary Site Investigation. Proposed Taxiway Foxtrot, London Luton Airport. Project Number 12-0319.01

An exploratory ground investigation (GI) was undertaken by Structural Soils between 8 December 2016 and 31 January 2017 comprising:

- 18 No. resonance (sonic) boreholes drilled to a depth of between 6.00 mbgl and 60.00 mbgl;
- 2 No. Cable Percussion Boreholes extended with rotary drilling. Boreholes to a depth of between 6.45 mbgl – 9.00 mbgl with rotary follow on to a depth of 58.50 mbgl;
- 9 No. permeability tests in boreholes;
- 26 No. Dynamic Probe Penetrometer tests;
- Geotechnical and environmental soil sampling and laboratory testing; and

[1] Environment Agency boundary for landfill makes area 53 ha but ground investigation information shows area filled is actually 45ha
[2] Arup (June 2017) London Luton Airport Limited. Century Park Development, Airport Way. Contamination Preliminary Risk Assessment-Former Eaton Green Landfill

- 17 No. groundwater and gas monitoring standpipes.

In addition to this GI of the landfill, two further investigations were undertaken in the area in 2016-2107; an investigation undertaken for the Access Road for the proposed Century Park Development and one for the wider Century Park Development. A plan of the GI locations associated with these investigations is shown in Figure 1.

1.2 Summary of Previous Work with respect to Contamination

Following the GI undertaken on the landfill, an interpretative report was undertaken by Arup which included a generic quantitative risk assessment (GQRA) and detailed quantitative risk assessment (DQRA)[3].

The Conceptual Site Model (CSM) developed as part of the interpretative report is included in Appendix A. The DQRA was developed for the Century Park development but it is considered that the CSM for the airport expansion is likely to have similar risks and therefore is a sound basis for development of the ground investigation strategy.A summary of the findings of the DQRA report is provided below.

1.2.1 Human health

The ground investigation results to date suggest that the chemistry of the landfill presents little risk to future site users. However, an appropriate cover layer will be required to protect the development from odours and the poor physical properties of the waste.

1.2.2 Controlled waters

Overall the groundwater monitoring undertaken to date provides little evidence that the landfill is causing significant contamination of the groundwater. This suggests that providing appropriate techniques are used during construction to prevent downward migration of contaminants, it is unlikely that development will result in significant contamination of the groundwater.

1.2.3 Ground Gas

Elevated concentrations of methane and carbon dioxide were detected during monitoring. The concentrations were noted to be more elevated in the areas where thicker deposits of more recent waste disposal (1970s/1980s) has taken place. The preliminary assessment indicated the gassing regime is a Characteristic Situation 4.

1.2.4 DQRA Conclusions

Further site investigation and groundwater quality monitoring is required to confirm these findings and to inform the design of the enabling works for the development.

[3] Arup (September 2017) London Luton Airport Limited. Century Park Development, Airport Way- Landfill Area. Contamination Quantitative Risk Assessment.

2 Ground Investigation Strategy

2.1 Objectives for the investigation

The report on the initial DQRA identified the following objectives for further investigation:

1. *Provide means for up gradient monitoring of groundwater quality;*
2. *Provide more information on the chemistry of the 'industrial' waste contained in the older landfill material;*
3. *Provide further information on the weathering and solution of the top of the chalk;*
4. *Provide more information regarding the nature of each type/era of waste to determine:*
    a. *its potential to be a source of pollution;*
    b. *its potential for future gassing;*
    c. *its likely settlement under the new development;*
    d. *its capacity to be an obstruction to piling;*
    e. *check for radionuclides; and*
    f. *establish the quantity of inert daily cover or construction waste materials.*
5. *Complete the network of gas monitoring installations;*
6. *Inform the design of foundations;*
7. *Provide further installations to monitor leachate;*
8. *Inform the design of earthworks involving waste; and*
9. *Survey the drain that passes through the landfill.*

2.2 Basis for strategy

The strategy for the design of the GI to achieve these objectives has been developed based on a systematic review of the following:

- GI work required to adequately characterise the potential pollutant linkages (PPLs) identified in the CSM in the DQRA to determine their significance;
- GI work required to inform the wider understanding of the site and geotechnical conditions, which is needed to:
    - develop the ground model;
    - characterise the waste; and

- inform the design of earthworks and foundations.

2.3 Guidance on the investigation of contaminated land

In designing this ground investigation strategy, reference has been made to the guidance documents below:

- British Standards Institution (2011) Investigation of potentially contaminated sites- Code of practice BS10175:2011 +A1:2013
- British Standards Institution (2013) Guidance on investigations for ground gas- Permanent gases and volatile organic compounds (VOCs). BS 8576
- British Standards Institution (2017) Soil quality- Part 100: Guidance on the selection of sampling standards. BS ISO 18400-101
- British Standards Institution (2017) Soil quality- Part 101: Framework for the preparation and application of a sampling plan. BS ISO 18400-101
- British Standards Institution (2017) Soil quality- Part 102: Selection and application of sampling techniques. BS ISO 18400-102
- Chartered Institute of Environmental Health (2008) The Local Authority Guide to Ground Gas
- CL:AIRE (2009) Parameterisation of Aquifer Hydraulic Properties: A Contaminants Hydrogeology Perspective. Technical Bulletin TB4.
- CIRIA Report 131 (1993). The measurement of methane and other gases from the ground
- CIRIA Report 151 (1995) Interpreting measurements of the gas in the ground
- CIRIA Report 665 (2007) Assessing risks posed by hazardous ground gases to buildings.
- CIRIA Report 682 (2009) The VOCs Handbook. Investigation, assessing and managing risks from inhalation of VOCs at land affected by contamination.
- Department of the Environment, Transport and Regions (1994) CLR Report no. 4- Sampling Strategies for Contaminated Land.
- Department for Environment Food and Rural Affairs (2006) Industry Profile. Industrial activities which have used materials contamination radioactivity.
- Environment Agency (2000) Secondary model procedure for the Development of Appropriate Soil Sampling Strategies for Land Contamination. R&D Technical Report P5-066/TR
- Environment Agency (2001) Land Contamination: Technical Guidance on Special Sites: MoD Land. R&D Technical Report P5-042/TR/01
- Environment Agency (2001) Land Contamination: Technical Guidance on Special Sites: Nuclear Sites. R&D Technical Report P5-042/TR/06

- Environment Agency (2003) Guidance on Monitoring of Landfill, Leachate, Groundwater and Surface Water
- Environment Agency (2004) Model Procedures for the Management of Land Contamination
- Environment Agency (2004) Guidance for monitoring trace components in landfill gas
- Environment Agency (2006) Guidance on the design and installation of groundwater quality monitoring points
- Institute of Waste management (1998) Monitoring of landfill gas
- NHBC (2007) Guidance on evaluation of development proposals on sites where methane and carbon dioxide are present
- Safegrounds (2012) Nuclear Industry Group for Land Quality. Industry Guidance. Qualitative Risk Assessment for Land Contamination, including radioactive contamination.

2.4 Ground Investigation Rationale

2.4.1 Characterise PPLs

The GI required to assess the significance of each of the potential pollutant linkages (PPL) identified in the Arup DQRA report is set out in Table 1. The specific element of the PPL linkage being targeted by the GI is also indicated as follows:

S – source characterisation

P – pathway assessment

R – receptor monitoring

This sets out where work needed and identifies the frequency of sampling or testing where this is prescribed by guidance. The techniques proposed are described in section 3 and sampling and analytical strategies for those elements not prescribed by guidance are provided in sections 4 and 5.

Table 1 Summary table of potential pollutant linkages and proposed ground investigation

Receptor	PPL no.*	PPL	PPL element target and proposed GI	Proposed GI	Justification
Future users e.g. workers/members of the public	**1**	Ground gases from former landfill e.g. methane-migration into future buildings and build-up of gases	**S -**confirmation and determination of gas generation potential of the waste **P**-ground gas monitoring across site	32 boreholes 23 Window samples	Supplement current monitoring network and confirm current gassing regime. The requirements for number of monitoring points, frequency and duration of ground gas monitoring is detailed in a number of best practice guidance documents including CIRIA 665 and Local Authority Ground Gas Guidance. For older domestic landfills (moderate hazard potential) and low sensitivity of end use it details a spacing of 25-75m spacing. The higher end of the spacing has been adopted as continuous monitoring techniques, in conjunction with conventional spot sampling to give additional confidence in the ground gas regime. 75m spacing across 450,000 m^2 site is equal to 80 locations, 24 locations have been undertaken previously.). Therefore 56 locations are required across the site. This is proposed to be a mixture of deeper (boreholes) and shallow locations (window samples). Due to site access constraints, achieving the required number of locations is unlikely to be possible and a total of 55 locations are proposed.
	5 &22	Soils/waste- Direct contact e.g. dermal contact, soil ingestion.	**S-** confirmation and determination of nature and extent of contamination in soils and waste	76 trial pits Testing of samples from boreholes and window samples undertaken for PPL 1	Supplement the existing information and confirm conditions. Trial pits to inform shallow conditions (between 3-6 m bgl) as this is the material most likely to require management during the earthworks and may be reused within the development.
		Direct or indirect contact with radionuclides- incurring radiation dose by indirect dose received from ingestion of radium (or other alpha emitting contaminated material) or direct risk from contact with beta emitters such as Carbon-14 or Caesium-137	**S-** confirmation and determine the nature of and extent of any radiological contaminants in the waste	10 boreholes in older waste (*included in the 32 total detailed in PPL no.1*)	Radioactive materials (if present) will be limited to the earlier waste in the landfill which was deposited prior to the introduction of the Radioactive Substances Act in 1963. Boreholes into older waste will include measures to check for presence of radioactive substances in the waste. Unlikely to be direct contact with older wastes in proposed development but arisings from piling and foundations activities may be reused, therefore testing will determine if suitable for reuse in development.
	25	Inhalation of soil derived dusts	**S-** confirmation and determination of nature and extent of contamination in soils and waste	Testing of samples from trial pits undertaken for PPL 5 & 22	Supplement the existing information and confirm conditions. Trial pits to inform shallow conditions (between 3-6 m bgl) as this is the material most likely to require management during the earthworks and may be reused within the development.
	8 &29	Inhalation of vapours from VOCs in the waste/soils	**S-** confirmation and determination of nature and extent of volatile contaminants in soils and waste **P**-soil vapour monitoring across site	Testing of samples from boreholes and trial pits undertaken for PPL 5 & 22	Previous exploratory GI did not indicate any specific sources of volatile organic contaminants (VOCs), therefore testing to be undertaken in non-targeted manner from boreholes being undertaken for other PPLs in order to confirm concentrations of VOCs at the site. Supplement existing information with further soil vapour monitoring. Monitoring to be undertaken from selected ground gas boreholes undertaken as part of PPL no. 1.
	8	Volatile radionuclides occupying buildings overlying radioactive land contamination	**S-** confirmation and determine the nature of and extent of any radiological contaminants in the waste **P**-volatile radionuclide monitoring (if required)	Testing of samples from boreholes made into the older waste undertaken for PPL 5 & 22	Boreholes into the deeper older waste to determine the potential radiological risks. If radionuclides detected which are considered to potential risks through volatilisation then monitoring will be undertaken for volatile radionuclide compounds.
	15	Landfill leachate- direct contact e.g. dermal contact, soil ingestion	n/a	n/a	No specific investigation required for this PPL as determined in DQRA that no potential for future users of the site to come into direct contact with landfill leachate. However the extent and nature of landfill leachate will be determined as part of the assessment of other PPLs.

Receptor	PPL no.*	PPL	PPL element target and proposed GI	Proposed GI	Justification
Adjacent site users (e.g. residential housing and other buildings on Luton Airport)	**2**	Ground gases from former landfill e.g. methane-migration off-site through preferential pathways and build-up of gases	**P-** determine potential for ground gas to migrate off-site through preferential pathways	8 boundary gas monitoring locations (comprising 4 boreholes and 4 window sample locations)	Houses lie within 50m of the northern boundary of the landfill in the head of a dry valley – it is likely that there is no impermeable clay with flints layer present which would inhibit gas migration. The nature of the chalk means there may be fracture flow. Table 5.2 in Local Authority ground gas guidance details recommended range of typical borehole spacing for boundary monitoring to assess off-site conditions. For fissure or fracture flow dominated permeable strata (for example blocky sandstone or igneous rock) and development within 150 m, the borehole monitoring spacing should be 5-20 m. A mid-range of 12.5 m has been selected to assess potential risks on the section of the northern boundary closest to the houses and where it is a less sensitive land use (commercial properties) a lower frequency of 50m spacing has been used. The northern boundary is approximately 200 m in length and therefore 11 locations are required. Due to access restrictions along the northern boundary (roadway, limited space on pavements and sloping ground), achieving the required number of boreholes along this boundary is unlikely to be possible. 8 locations have been placed along available parts of the boundary.
	2			19 boundary gas monitoring locations (comprising 6 boreholes and 13 window samples locations)	Other areas surrounding the landfill considered to be lower risk. Adjacent to the west and south is London Luton Airport. To the north east are houses at a distance of between 90 and 400 m. To the east is agricultural land, with no development. Clay with flints is present on the sides of the valley which is likely to act to impede flow of gas. Table 5.2 in the Local Authority ground gas guidance details recommends a range typical borehole spacing for boundary monitoring to assess off-site for Uniform low permeability strata (for example clay); development within 150 m of 10-50 m, development within 250 m of 20-50 m and where there is no development 50-150 m. The actual boundary of landfilling has been assumed for these distances, rather than the EA boundary which includes an area in the northeast which has not been landfilled. Therefore the following is required: • where the houses are closest on the north eastern boundary, a 30 m spacing (mid-point of 10-50 m) has been assumed for half of the eastern boundary (300 m length at 30 m spacing = 10 locations) • the remaining part of the eastern boundary a wider spacing of 100 m (mid-point of 50-150m) of has been assumed due to no development within 250 m (300 m length spacing at 100 m spacing = 3 locations). • there is no development to the south of the landfill site, it is either agricultural land or airport land without any structures e.g. runway, therefore a wider spacing of 100 m (mid-point of 50-150 m) of has been assumed (660 m length at 100 m spacing = 7 locations). There are currently already 2 ground gas monitoring locations on this boundary, therefore a further 5 locations are required. Due to ecological constraints (Badger Setts), achieving the required number of boreholes along this boundary is unlikely to be possible and 4 locations have been placed along available parts of the boundary. • the airport is adjacent to the west of the landfill, the nearest airport building is 250m from the western edge of the landfill, with the exception of two hangars which have been built over the landfill and some additional hangar buildings approximately 150m northwest of the landfill boundary. Due to the low sensitivity of these developments a wider spacing of 100m (mid-point of 50-150m) has been assumed (1000m length at 100m spacing = 10 locations). There are currently 3 ground gas locations on this boundary, therefore a further 7 locations are required. Due to restrictions on accessing airside, achieving the required number of boreholes along this boundary is unlikely to be possible. 2 locations have been placed along available parts of the boundary.
	10 &26	Soils/waste- inhalation of airborne contaminants and microorganisms	**S-** confirmation and determination of nature and extent of contamination in soils and waste	Testing of samples from trial pits undertaken for PPL 5 & 22	Supplement the existing information and confirm conditions. Trial pits to inform shallow conditions (within 6m bgl) as this is the material most likely to require management during the earthworks and may be reused within the development.
	10 &26	VOCs within the landfill- migration of volatile contaminants through preferential pathways and inhalation of vapours	**P-** determine potential for VOCs to migrate off-site through preferential pathways	Included in the work proposed for PPL 2	Supplement existing information and confirm condition – VOC monitoring from selected ground gas boreholes along boundary to check for VOC migration from landfill.
Construction workers and future maintenance groundworkers	**3,4,20 &21**	Soils/waste- Direct contact e.g. dermal contact, soil ingestion.	**S-** confirmation and determination of nature and extent of contamination in soils and waste	Testing of samples from trial pits undertaken for PPL 5 & 22	Trial pits to assess PPL no.5 will be used to characterise the waste in the top few metres, which is most likely to be the waste requiring management during the earthworks and that future construction workers and maintenance groundworkers are likely to come into contact with.
	3,4,20 &21	Direct or indirect contact with radiological waste- incurring radiation dose by indirect dose received from ingestion of radium (or other alpha	**S-** confirmation and determine the nature of and extent of any	Testing of samples from boreholes made into the older waste	Radioactive materials (if present) will be limited to the earlier waste in the landfill which was deposited prior to the introduction of the Radioactive Substances Act in 1963. Boreholes into older waste to check for presence of radioactive substances in the waste.

Receptor	PPL no.*	PPL	PPL element target and proposed GI	Proposed GI	Justification
		emitting contaminated material) or direct risk from contact with beta emitters such as Carbon-14 or Caesium-137 during piling works.	radiological contaminants in the waste	undertaken for PPL 5 & 22	
	6,7,27& 28	Inhalation of vapours from VOCs in the waste/soils	**S**- confirmation and determination of nature and extent of volatile contaminants in soils and waste **P**-soil vapour monitoring across site	Testing of samples from boreholes and trial pits undertaken for PPL 5 & 22	Previous exploratory GI did not indicate any specific sources of volatile organic contaminants (VOCs), therefore testing to be undertaken in non-targeted manner from boreholes being undertaken for other PPLs in order to confirm concentrations of VOCs at the site. Supplement existing information with further soil vapour monitoring. Monitoring to be undertaken from selected ground gas boreholes undertaken as part of PPL no. 1.
	13&14	Landfill leachate- direct contact e.g. dermal contact, soil ingestion	**S**- confirmation of presence, extent and quality of leachate within the landfill	5 landfill leachate collection wells, See PPLs no. 9 &19	Supplement the existing information and confirm current conditions. Leachate conditions at the landfill will be determined as part of PPLs no. 9 & 19 below.
	11,23&24	Inhalation of soil derived dusts	**S**- confirmation and determination of nature and extent of contamination in soils and waste	Testing of samples from boreholes and trial pits undertaken for PPL 5 & 22	Supplement the existing information and confirm conditions. Trial pits undertaken to inform shallow conditions (within 6m bgl) this is the material most likely to require management during the earthworks and that future construction workers and maintenance groundworkers are likely to come into contact with.
Controlled waters- Principal aquifer in Chalk	**9&19**	Driving of contaminants downward during any future piling	**S**- confirmation of presence, extent and quality of leachate within the landfill.	5 landfill leachate collection wells	Supplement the existing information and confirm current conditions. Non-targeted general spread across site to try and determine presence of leachate across landfill. Environment Agency guidance LFTGN02 is mainly aimed at sites with current waste management licence or environmental permit, however some of the principles are applicable to historic sites and it provides a useful framework. The guidance details an appropriate number of leachate monitoring points as one quality point per 5 ha. Landfill area is 44.7ha (excluding area not filled on EA boundary), this would equal 9 monitoring locations to meet guidance. 4 wells present from previous ground investigation, therefore 5 additional wells required. Boreholes to be installed which are slotted to base of waste and then 1 m plain section sump in chalk for collection of leachate.
	16	Downward migration of contaminants in the landfill into aquifer	**P-**determine hydrogeological conditions at the site and changes with depth in the chalk. **R**- undertake regular monitoring of the groundwater beneath the landfill and off-site.	5 deep groundwater boreholes	Supplement the existing information and confirm current conditions. Hydrogeological conditions to be determined by 5 no. deep boreholes which penetrate at least 20m below lowest groundwater level. These locations will also assess the weathering and solution features in the top of the chalk. Locations will be designed to complement existing groundwater monitoring locations and will be used to verify groundwater monitoring results being undertaken as part of the long term monitoring programme. Parallel to this further investigation there is supplementary gas and groundwater monitoring being undertaken on the boreholes from the preliminary investigation, which will provide robust data on the variation in conditions within the landfill.
	30	Contaminants in groundwater associated with Luton Airport Lateral migration in groundwater onto site	**P**- determine groundwater flow direction **R**- undertake regular monitoring of the groundwater beneath the landfill and off-site	2 off-site boreholes	Environment Agency guidance LFTGN02 details that at least one location should be installed upgradient. Allowance has been made for 2 deep boreholes off-site which penetrate at least 20m below lowest groundwater level. 2 locations have been allowed to ensure variability in groundwater is accounted for.
	-	Migration of contaminants via preferential pathways i.e.	**P-**determine whether drain passing through landfill provides a preferential pathways for contaminants	Survey drain passing through landfill	CCTV proposed to survey drain. CCTV survey being undertaken by Pell Frischmann who are designing the access road.
Controlled waters- Potable water groundwater abstraction	**16**	Migration of contaminants in groundwater beneath landfill to groundwater abstraction	**P-**determine hydrogeological conditions at the site and changes with depth in the chalk. **R**- undertake regular monitoring of the groundwater beneath the landfill and off-site.	5 deep groundwater boreholes. See PPL no. 16	Parallel to this further investigation there is supplementary gas and groundwater monitoring being undertaken on the boreholes from the preliminary investigation, which will provide robust data on the variation in conditions in the landfill. This includes monitoring of locations off-site from the landfill to determine whether migration of contaminants is occurring.

Receptor	PPL no.*	PPL	PPL element target and proposed GI	Proposed GI	Justification
Building material and fabric	**12, 17**	Direct or indirect contact with contaminated soils, waste, leachate or vapours which affecting building materials	**S-** confirmation and determination of nature and extent of contamination in soils and waste **S-** confirmation of presence, extent and quality of leachate within the landfill.	Testing of samples from boreholes and trial pits undertaken for PPL 5 & 22 Leachate- See PPLs no.s 9 &19	Supplement the existing information and confirm current conditions. Leachate conditions at the landfill will be determined as part of PPLs no. 9 & 19.
Adjacent agricultural crops and allotments	**18**	Leachate breakout and plant uptake	None required	None required	No specific GI required as will be determined by the GI work undertaken to determine extent of leachate in the landfill and the ongoing leachate and groundwater monitoring

*PPL number relates to numbering to PPLs identified in the Arup DQRA report

2.4.2 Wider understanding of the site and geotechnical conditions

The characterisation of the PPLs is a key driver for the GI but information is also needed to refine the ground model and understand the nature and distribution of the different materials in the landfill. This will inform:

- The design of enabling and remediation works;
- The design of foundations;
- The costing of different options; and
- The estimation of settlement and other physical performance of the waste.

The DQRA identified a number of objectives for investigation to provide this information. The proposed GI with respect to the PPLs, detailed in Table 1, includes locations which will also provide information to help meet these objectives. However some additional works will be required. The additional work required is set out in Table 2 (for completeness the objectives that relate to the PPLs are included but greyed out).

Table 2 How the proposed GI will meet objectives for wider/geotechnical understanding

	Objective identified by DQRA	Further work required
1	Provide means for up gradient monitoring of groundwater quality;	Covered by work to characterise the PPLs
2	Provide more information on the chemistry of the 'industrial' waste contained in the older landfill material;	Covered by work to characterise the PPLs
3	Provide further information on the weathering and solution of the top of the chalk;	9 of the boreholes distributed across the site will be advanced from the base of the waste using CPT through the clay and into the top of the chalk. 5 of the boreholes (not the leachate, CPT or groundwater boreholes) will be advanced to 10m into the chalk.
4	Provide more information regarding the nature of each type/era of waste to determine:	-
	• its potential to be a source of pollution;	Covered by work to characterise the PPLs
	• its potential for future gassing	Covered by work to characterise the PPLs

	Objective identified by DQRA	Further work required
	• its likely settlement under the new development	Detailed inspection of the waste and forensic analysis of its components. Grid of super heavy dynamic probes across site to determine if obstructions present (designed to complement the dynamic probes undertaken during previous GI). Geotechnical testing of 'cover' materials.
	• its capacity to be an obstruction to piling	
	• check for radionuclides	Covered by work to characterise the PPLs
	• establish the quantity of inert daily cover or construction waste materials.	Detailed inspection of the waste and forensic analysis of its components.
5	Complete the network of gas monitoring installations.	Covered by work to characterise the PPLs
6	Inform the design of foundations.	As for objective 3 for the clay and shallow chalk plus the 7 groundwater monitoring holes will be advanced and sampled using techniques that will provide geotechnical information on the natural materials beneath the landfill.
7	Provide further installations to monitor leachate.	Covered by work to characterise the PPLs
8	Inform the design of earthworks involving waste.	Trial pits dug to achieve other objectives will be used to characterise the waste in the top few metres, which is most likely to be the waste requiring management during the earthworks. Boreholes drilled to achieve other objectives will be used to also inform type and era of waste.
9	Survey the drain that passes through the landfill.	Covered by work to characterise the PPLs

3 Site investigation methodology

Two main investigation techniques (trial pits and boreholes) have been proposed for the ground investigation. These have been selected based on the ground conditions previously encountered as well as the potential sources, receptors and associated pollutant pathway identified in Table 1.

The follow investigation methods will be used:

Method	Number proposed	Comment
Trial Pitting	76	16 trial pits will be undertaken to a maximum depth of 6mbgl with the remainder to a maximum depth of 4.5mbgl. Trial pitting is considered the most cost effective and efficient method to examine and sample shallow surface soils/waste conditions, as well as allowing detailed examination of the waste types encountered.
Boreholes-	54	Boreholes in the waste will be drilled using Sonic drilling techniques. Sonic is being used over other more common drilling techniques as it provides very good recovery of material in the waste, with minimal disturbance and little or no drilling fluids. This enables good records of the nature of the waste to be obtained with minimal disturbance from the drilling. For boreholes which are being extended into the Chalk the rig will be switched to Geobore-S to maximise recovery of the chalk and minimise disturbance.
Window Sampling	40	Window sampling will be used to obtain samples at shallow depth and as a cost effective way to install some of the gas monitoring wells.
Cone Penetration Testing	9	The chalk at shallow depth is weathered to a soil and is difficult to sample and can produce misleadingly low strength results in dynamic penetration tests. Cone penetration testing can provide a more accurate measure of the strength of this poorer material.
Dynamic Cone Penetration Testing	76	One of the key risks of developing on a landfill is that obstructions in the waste obstruct the installation of piles. Dynamic cone tests are a cost effective way to detect and map obstructions and will provide information regarding the consistency of the waste across the tip.

Borehole standpipes will be installed depending on their intended objectives as follows:

- ***Leachate*** – 1 m seal at surface and then slotted to base of waste. There will then be a 1 m plain section in the chalk to act as a sump for collection of leachate. Aquifer protection measures will be installed prior to commencing drilling into the Chalk.
- ***Gas*** – the gas boreholes will be installed within the waste on site. The depths and locations of each response zone will be determined based on the conditions encountered. Locations on the boundary will be installed at varying depths to assess potential migration routes i.e. travel in fractures in chalk and migration along service routes.
- ***Groundwater*** – the groundwater boreholes will be installed within the chalk in the saturated zone. The depths and locations of each response zone will be determined based on the conditions encountered and the results of further testing undertaken on the existing boreholes. Single packer tests will be undertaken on selected boreholes during drilling works to inform the response zones (see Section 3.3).

Geophysical techniques comprising a downhole shear wave velocity survey is proposed to be used in some boreholes to obtain information of rock properties of the chalk.

4 Sampling strategy

4.1 Soil/waste

The assessment of the PPL's associated with direct contact or inhalation, and the design of the remediation and enabling works, will rely upon the GI providing sufficient data to characterise the physical and chemical properties of the waste.

The heterogeneity and large volume of the waste means that it will be prohibitively expensive to 'map' the materials and contamination it contains by random sampling. However the following information is known to provide a basis for an investigation strategy:

- Detailed work has been undertaken during the Preliminary Risk Assessment (PRA) and following the preliminary investigation to understand and map the phases of filling of the landfill and the likely nature of waste they contain;
- The contents of the landfill are chaotic but the majority of the material originated from a relatively limited number of sources and the waste from each source can be recognised in samples; and
- The properties of the material from each era and source are likely to lie within a range that is characteristic and can be established by testing.

Based on this the following approach is proposed:

- Detailed visual inspection of each part of the waste recovered during GI;
- Good soil logging with clear descriptions in accordance with BS 5930, including observations of visual and olfactory contamination, together with an estimate of degradable organic content (DOC) will be key to understanding the risk posed by the waste and proportion of biodegradable material;
- Use the information gathered to map the location of the material from different eras and sources; and
- Review of the data gathered as the investigation progresses and compare it to expectations. Use this to detect any material that suggests a significant source that has not previously been identified and schedule further investigation if needed; and

The boreholes, window samples and trial pits proposed in section 2 will provide the following sampling frequencies in the top part of the landfill and in the different eras of waste suggested by the work to date:

Material sampled	Metres of ground to be examined (m)	Volumetric frequency (m^3 of waste/m examined)
Top 5m of landfill	820	2745
1972 - 1982	495	3025

Material sampled	Metres of ground to be examined (m)	Volumetric frequency (m^3 of waste/m examined)
1961 - 1972	150	5310
1955 – 1961	220	7095
1947 – 1955	65	5840
Pre 1947 waste	25	5700

The majority of the landfill was probably deposited in layers of between 0.5 and 1.0m so each metre of waste examined in a hole represents at least one discrete 'sample' of the population of material from that source or era. Overall we consider the above frequency of sampling and inspection to be sufficient to inform a robust characterisation. Where logging of material recovered suggests that material from different sources or a different era is present further investigation and sampling will be carried out to characterise it and establish its extent.

Sufficient physical and chemical testing will be done to adequately characterise the chemical composition and physical properties of the waste from each source and era. The actual rate of testing will be informed by the nature and variation of the material as established by the visual inspection but we estimate that between 30 and 100 samples will need to be tested from each era and source. Samples from the material at shallow depth that are likely to be encountered by the proposed works will be prioritised.

Samples from the landfill will be screened for radionuclides.

4.2 Groundwater

Single packer pumping tests will be carried out within the chalk in selected boreholes. The packer testing will be undertaken as the borehole progresses at 10m intervals and will provide information on changes in hydraulic conductivity with depth. The results will inform the installation details.

3 borehole locations will be installed with groundwater data loggers to measure the variability in groundwater levels, at least one will be upgradient of the landfill site

Sampling of the groundwater in the boreholes will be undertaken, consistent with the methodology established for the supplementary gas and groundwater sampling and monitoring which is currently being undertaken. This is included in Appendix B.

4.3 Gas and vapour

Sampling of the gas and vapours in the boreholes will be undertaken consistent with the methodology established for the supplementary gas and groundwater sampling and monitoring programme which is currently being undertaken. Details are included in Appendix B.

4.4 Landfill leachate

Sampling of the landfill leachate collected in the sumps in the boreholes will be undertaken consistent with the methodology established for the supplementary gas and groundwater sampling and monitoring being undertaken. This is included in Appendix B.

5 Analytical strategy

The analysis required has been determined from the work undertaken to date. The PRA and DQRA identified there is a broad range of potential contaminants which may be present within the landfill. The sections below detail the strategy for analysis for each media.

5.1 Soil/waste analysis

It is envisaged that the majority of soil/waste samples will be analysed for a broad suite of contaminants, consistent with the previous phase of GI. The following additional analysis will be undertaken:

- Bulk samples of the waste for compositional sorting/forensic analysis of waste, to determine the percentage of components of the waste will be done on site;
- Leachability testing to determine the potential for contaminants to be leached from the soil/waste;
- Radionuclide testing, where radiological screening identifies the need;
- Moisture content; and
- Loss on ignition.

5.2 Landfill leachate analysis

Where sufficient sample of landfill leachate is collected within the sumps testing will include (but not be limited to):

- Major elements and ions such as calcium, magnesium, iron, sodium, ammonia, carbonate, sulphate and chloride;
- Trace metals such as manganese, chromium, nickel, lead and cadmium;
- pH,
- Chemical Oxygen Demand (COD), Biological Oxygen Demand (BOD) & Total Organic Carbon (TOC) ;
- Ammoniacal nitrogen;
- Fatty acids (as C); and
- Radionuclide testing if identified in the groundwater and soil/waste.

5.3 Groundwater analysis

Analysis of groundwater samples will be undertaken consistent with the supplementary gas and groundwater sampling and monitoring programme detailed in Appendix B.

5.4 Gas and vapour analysis

Analysis of gas and vapour samples will be undertaken consistent with the supplementary gas and groundwater sampling and monitoring programme, included in Appendix B.

Continuous gas monitors will be installed in some of the boreholes to provide information on the frequency of gas concentration and flow measurements over time. Ground gas purge and recovery testing will be undertaken on all boreholes where continuous gas monitors are installed to measure the rate of ground gas recovery. This is intended to be used in conjunction with conventional spot monitoring to provide robust information with regards to gassing regime at the site.

6 Constraints and Limitations

The following constraints are currently present on site that may affect the ground investigation strategy:

6.1 Badgers and other ecological constraints

Ecological surveys have indicated badgers are present within two areas of the former landfill and there is an exclusion zone around these locations where it is not possible to undertake GI or operate heavy machinery. This area is indicated on Figure 1.

The southern section of Wigmore Park is designated as a County Wildlife Site (CWS), recognised for its neutral and calcareous grassland and adjacent hedgerows. The extent of the CWS is indicated on Figure 1. CWSs do not have legal protection, however the method of working in this area should be agreed with an ecologist to avoid any unnecessary damage to the habitat.

An ecologist will be on site to agree the position of each investigation location and provide advice of any additional constraints during the GI.

6.2 Access restrictions

Some areas of the former landfill are within the airport airside boundary and as such access is restricted. Therefore GI locations have been positioned where possible to avoid restricted access areas.

6.3 Invasive species

The ecological survey identified a large area of Japanese knotweed present to the north of the balancing pond. It is thought that the knotweed stand occupies an area of at least 100 m^2.

6.4 Unexploded Ordnance (UXO)

London Luton Airport was heavily involved with WWII and therefore there is a risk of UXO being present within the wider area, including the landfill. Therefore special provisions in the GI will be required to mitigate the potential risks of encountering a UXO.

6.5 Vegetation

In the south of the site there are several areas which are heavily vegetated and not easily accessible. Therefore, access to these areas may not be possible for GI.

6.6 Topography

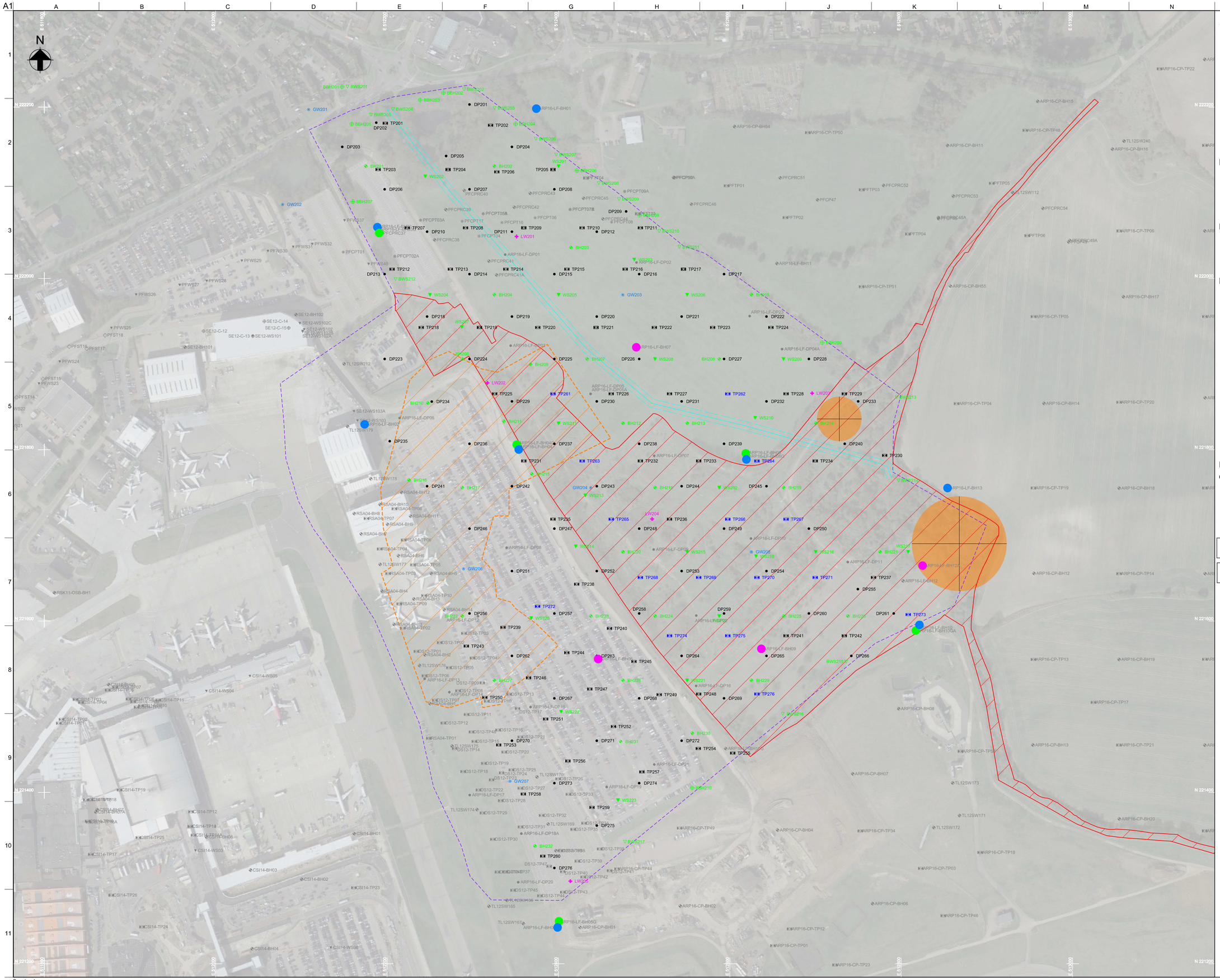
The southern boundary of the landfill has a steep bank, therefore it may not be possible to access all GI locations in the south of the site.

6.7 Design limitations

The GI has been designed to investigate the entire site and is not linked to a fixed design for the development. Therefore, it is not possible to target areas which may have a higher impact on the environment i.e. where cutting into the waste will take place. The GI has been designed to provide sufficient information to inform the PPLs identified in the CSM. However, further GI or trials may be required to inform the detailed design.

Figures

A1



Legend:

The items in this legend are interactive. Click to alter the view.

- Indicative Landfill Extents
- Badger Sett Location and Standoff Zone
- Extent of 1947 Landfill
- Wigmore Park CWS
- Thames Valley Drain (CCTV survey)

Previous GI Location

ARP16-CP-BH55

Hole Location / Consultant / Contractor — Year — Area — Hole Name/Number

Previous Installation Location and Type

- Leachate
- Gas
- Groundwater

Proposed GI Location

BH201 - 233	Boreholes
BBH201 - 211	Boundary Borehole
BWS201 - 220	Boundary Window Sample
WS201 - 223	Window Sample
GW201 - 207	Groundwater Hole
LW201 - 205	Leachate Borehole
DP201 - 280	Dynamic Probehole
TP201 - 260	Shallow Trial Pits (max depth 4.5m)
TP261 - 276	Deep Trial Pits (max depth 6m)

Proposed Install Type

Colour of proposed location denotes the install type:

- Green — Gas
- Blue — Groundwater
- Pink — Leachate

Proposed GI Layout

Clear All

Issue	Date	By	Chkd	Appd
02	22/02/18	HS	YM	TB
01	05/12/17	IJ	YM	TB

For Information

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Client
London Luton Airport Ltd

Job Title
Ground Investigation Strategy

Proposed Landfill Ground Investigation Locations

Figure 01

Scale at A1: 1:2000

Discipline: Geotechnical

Job No: 245580-00

Drawing Status: For Information

Drawing No: LLA-ARP-LF-XX-DR-G-00031

Issue: 02

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Do not scale

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Appendix A

Conceptual Site Model from DQRA

PPL No.	Sources	Pathways	Receptors	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
On-site					
1	**Ground gases from former landfill e.g. methane**	Migration into future buildings and build-up of gases	Future users e.g. workers/members of the public	Very High	GI data indicates elevated landfill gases, particularly in the areas of thicker more recent waste disposal in the north of the landfill. Further monitoring is required to characterise the risks from landfill gases fully. Risk to future development can be mitigated by appropriate design of ground gas mitigation measures.
2		Migration off-site through preferential pathways	Adjacent site users (e.g. residential housing and other buildings on Luton Airport)	Moderate	Development of the site may alter the ground gas regime and lead to migration of ground gases off-site. Further monitoring is required to characterise the risks from landfill gases fully.
3	**Waste in former landfill**	Direct contact e.g. dermal contact, soil ingestion	Construction worker	Low	Construction workers may be exposed to areas of landfill waste during future excavation. Any future excavation work would adopt appropriate site management protocols and PPE.
4			Future maintenance workers	Low	Maintenance workers may be exposed to areas of landfill waste during future excavation. Any future excavation work would adopt appropriate site management protocols and PPE.
5			Users of future development – general public/workers	Low	The GI indicated the risk to future occupants of the development is likely to be low. The future development will either be hardstanding or include an engineered cover layer, therefore there is unlikely to be any contact with waste material in the landfill.
6		Inhalation of vapours	Construction worker	Low	The risk assessment suggests that there are not significant concentrations of volatile contaminants presented within the landfill. However, this is based on limited monitoring and further GI and monitoring should be undertaken to confirm the results. Risk to construction workers and future maintenance workers is considered to be lower than future users as exposure is likely to be in outdoor air and therefore vapours will be diluted.
7			Future maintenance workers	Low	
8			Users of future development – general public/workers	Low	The assessment of the monitoring results undertaken as part of the GI works indicated that levels of soil vapours did not pose a risk to future users of the proposed development. However, this is based on limited monitoring and further GI and monitoring should be undertaken to confirm the results.

PPL No.	Sources	Pathways	Receptors	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
9	**Waste in former landfill**	Driving of contaminants downward during any future piling	Principal aquifer in Chalk	Moderate	The risk assessment has indicated that based on current data there is unlikely to be a significant risk to the groundwater from the landfill. However, care will be required during construction not to create a pathway. Risk from piling and construction can be mitigated by completion of piling risk assessment report to determine appropriate assessment for pile design and construction.
10		Inhalation of airborne contaminants and microorganisms	Adjacent site users (e.g. residential housing and other buildings on Luton Airport)	High	Future works may involve some limited movement of waste i.e. for disposal or relocation, therefore there is the potential for generation of airborne contaminants. Potential to affect adjacent site users. Good site management practices and mitigation measures would reduce the potential risk. Any future works should have appropriate Management Plans in place.
11			Construction workers	Moderate	Construction workers may be exposed to areas of landfill waste during future excavation. Any future excavation work would adopt appropriate site management protocols and PPE.
12		Direct contact of foundations of future development	Foundations of future buildings	Moderate	Presence of landfill waste in contact with building foundations may cause damage to foundations through aggressive ground conditions. Site investigation data will be considered in the design of the foundation. Risk can be mitigated by appropriate design to select suitable foundation materials.
13	**Leachate in former landfill**	Direct contact e.g. dermal contact, soil ingestion	Construction workers	Low/Moderate	Construction workers may be exposed to areas of landfill leachate during future excavation. The GI indicates there is likely to be limited leachate present, but further investigation and monitoring is required to confirm the findings. Any future excavation work would adopt appropriate site management protocols and PPE.
14			Future maintenance workers	Low/Moderate	Maintenance workers may be exposed to areas of landfill leachate during future excavation. The GI indicates there is likely to be limited leachate present, but further investigation and monitoring is required to confirm the findings. Any future excavation work would adopt appropriate site management protocols and PPE.
15			Users of future development – general public/workers	Low	The future development will either be hardstanding or include an engineered cover layer, therefore there is unlikely to be any contact with any potential leachate in the landfill.
16		Downward migration of leachate	Principal aquifer in Chalk	Low/Moderate	The GI indicates there is likely to be limited leachate present, but further investigation and monitoring is required to confirm the findings. The groundwater monitoring data from beneath the landfill and outside the boundary does not suggest a significant leachate plume affecting the aquifer.

PPL No.	Sources	Pathways	Receptors	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
					However, this is based on limited GI data and further investigation and monitoring is required to confirm the findings.
17		Direct contact with foundations of future development	Foundations of future buildings	Low/Moderate	Presence of leachate in contact with building foundations may cause damage to foundations through aggressive ground conditions. The GI indicates there is likely to be limited leachate present, but further investigation and monitoring is required to confirm the findings.
18		Leachate breakout and plant uptake	Adjacent agricultural crops and allotments	Low	No evidence of leachate breakout currently occurring. However, potential to affect conditions at site during development. The GI indicates there is likely to be limited leachate present, but further investigation and monitoring is required to confirm the findings.
19	**Contaminants in perched water**	Driving of contaminants downward during any future piling	Principal aquifer in Chalk	Low	The GI indicated the waste was relatively dry and no evidence of significant perched water in the landfill was encountered. Further investigation and monitoring is required to confirm the findings. Risk from piling and construction can be mitigated by completion of piling risk assessment report to determine appropriate assessment for pile design and construction.
20	**Contaminants in Made Ground (capping material)**	Direct contact e.g. dermal contact, soil ingestion	Construction workers	Low/Moderate	Construction workers may be exposed to areas with contamination in the Made Ground during future excavation. Any future excavation work would adopt appropriate site management protocols and PPE.
21			Future maintenance workers	Low/Moderate	Maintenance workers may be exposed to areas with contamination in the Made Ground during future excavation. Any future excavation work would adopt appropriate site management protocols and PPE.
22			Users of future development-general public/ workers	Low	The GI indicated the risk to future occupants of the development is likely to be low. The future development will either be hardstanding or include an engineered cover layer, therefore there is unlikely to be any contact with contaminants in the Made Ground
23		Inhalation of soil derived dusts	Construction workers	Low/Moderate	Construction workers may be exposed to areas of landfill waste during future excavation. Any future excavation work would adopt appropriate site management protocols and PPE.
24			Future maintenance workers	Low/Moderate	Maintenance workers may be exposed to areas of landfill waste during future excavation. Any future excavation work would adopt appropriate site management protocols and PPE.
25			Users of future development – general public/workers	Low	The future development will either be hardstanding or include an engineered cover layer, therefore there is unlikely to be any contact with the Made Ground.

PPL No.	Sources	Pathways	Receptors	Qualitative Assessment of Risk	Justification of Qualitative Assessment of Risk
26			Adjacent site users (e.g. residential housing and other buildings on Luton Airport)	Moderate	There is the potential for soil derived dusts which contain contaminants to be generated during construction works. The GI indicated that the levels of contaminants in the landfill are not significantly elevated. However, further site investigation is required to confirm the findings. Good site management practices and mitigation measures would reduce the potential risk. Any future works should have appropriate Management Plans in place.
27		Inhalation of vapours	Construction worker	Low/Moderate	Risk to construction workers and future maintenance workers is considered to be lower than future users as exposure is likely to be in outdoor air and therefore vapours will be diluted.
28			Future maintenance workers	Low/Moderate	
29			Users of future development – general public/workers	Low/Moderate	Volatile contaminants may accumulate within indoor air in future buildings. The risk assessment suggests that there are not significant concentrations of volatile contaminants presented within the landfill. However, this is based on limited monitoring and further GI and monitoring should be undertaken to confirm the results.
Off-site					
30	**Contaminants in groundwater associated with Luton Airport**	Lateral migration in groundwater onto site	Principal aquifer in Chalk	Moderate	Contaminants in groundwater from the adjacent site may migrate onto site. The results of the risk assessment suggest that the groundwater beneath the landfill may be affected by the low level 'halo' of chlorinated solvents which is present in the Luton and Dunstable area. Further site investigation and monitoring is required to confirm that the source of the chlorinated solvents is from an off-site source.

Appendix B

Supplementary gas and groundwater sampling and monitoring programme

Groundwater and Gas Monitoring Specification

SPECIFICATION

This specification sets out the requirements for monitoring existing borehole installations as described in the following Schedules:

Schedule 1: Information

Schedule 2: Scope of Works

Schedule 3: Method

Schedule 4: Chemical Testing Requirements

Annex A: Bill of Quantities

SCHEDULE 1: INFORMATION

S1.1 Location

The site is a former landfill located adjacent to London Luton Airport. This site is approximately 53 hectares and is located 2.5km south east of Luton, located off Eaton Green Road at Grid Reference TL 125218. The location is shown in Figure 1.

The landfill accepted waste from circa late 1930s until 1990s. Site investigation has shown that there is no basal liner to the landfill but a non-engineered cap is present in some areas of the site. A ground investigation was undertaken in 2016-2017, which involved the installation of a number of gas, groundwater and leachate monitoring wells. Initial monitoring was undertaken as part of this investigation work. Further monitoring now is required at the site to determine ground gas and contamination conditions.

The monitoring work is being carried out on behalf of London Luton Airport Limited (LLAL).

S1.2 Objectives

The objectives of the monitoring include:

- To establish whether there is any migration of contaminants from the landfill site and characterise their spatial extent;
- Determine the direction, rate and variability of groundwater flow and contaminant migration;
- Determine the baseline groundwater level, including variability and trends; and

- Determine baseline groundwater quality including variability and trends; and
- Determine baseline gas concentrations including variability and trends.

S1.3 Terms of contract

The terms of contract will be NEC4 Engineering and Construction Short Contract. Details to be agreed with the successful tenderer.

SCHEDULE 2: SCOPE OF WORKS

S2.1 Scope

Monitoring for a period of 12 months at the site is required. Arup will review the monitoring results with regulators after 3 months and reserve the right to reduce or increase the frequency or duration of monitoring required. However for costing purposes it assumed that the following monitoring is required over a 12 month period as follows:

- Monthly monitoring for groundwater levels and samples taken at 17 groundwater quality monitoring points (GQMP);
- Monthly monitoring at 9 gas monitoring points and bulk gas/VOC samples taken every 2 months;
- Monitoring of leachate thicknesses and sampling every 2 months at 4 leachate monitoring wells; and
- Obtaining samples of non-aqueous phase liquids, where present.

The monitoring points are shown on Figure 2. The coordinates for the monitoring points are as follows:

Borehole ID	Easting	Northing	Elevation	Well depth (mbgl)	Monitoring location type
ARP16-LF-BH01	512374	222198	150.17	57.50	Groundwater
ARP16-LF-BH02	512174	221830	154.86	58.00	Groundwater
ARP16-LF-BH03	512189	222058	149.78	55.00	Groundwater
ARP16-LF-BH04	512353	221803	154.52	59.00	Groundwater
ARP16-LF-BH05	512400	221243	153.01	58.00	Groundwater
ARP16-LF-BH08	512619	221794	152.51	57.00	Groundwater
ARP16-LF-BH10	512819	221592	139.34	56.00	Groundwater
ARP16-LF-BH13	512854	221755	129.98	35.00	Groundwater
ARP16-CP-BH11	512854	222155	147.64	39.00	Groundwater
ARP16-CP-BH12	512955	221656	135.88	41.10	Groundwater
ARP16-CP-BH24	513155	221655	136.56	42.50	Groundwater
ARP16-CP-BH27	513254	222355	148.12	53.70	Groundwater
ARP16-CP-BH29	513254	221955	139.48	44.3	Groundwater
ARP16-CP-BH32	513254	221355	136.28	41.00	Groundwater
ARP16-CP-BH50	513654	221555	120.78	23.50	Groundwater
ARP16-CP-BH51	513668	221969	125.82	32.00	Groundwater
ARP16-CP-BH55	512858	221991	146.79	52.70	Groundwater
ARP16-LF-BH03G	512190	222057	149.84	6.00	Gas
ARP16-LF-BH04G	512352	221805	154.45	6.00	Gas
ARP16-LF-BH05G	512400	221245	153.02	6.00	Gas
ARP16-LF-BH08G	512619	221794	152.51	6.00	Gas

Borehole ID	Easting	Northing	Elevation	Well depth (mbgl)	Monitoring location type
ARP16-LF-BH10GA	512818	221591	139.39	5.00	Gas
ARP16-LF-BH06	512446	221556	155.92	13.00	Gas and Leachate
ARP16-LF-BH07	512491	221920	152.94	21.00	Gas and Leachate
ARP16-LF-BH09	512637	221568	153.16	14.00	Gas and Leachate
ARP16-LF-BH12A	512825	221665	146.26	11.00	Gas and Leachate

S2.2 Access

The Contractor shall in advance of each visit give notice of at least 7 working days to LLAL. Permits may be required for visiting certain boreholes (which lie within the airport boundary), sufficient time should be allowed for agreeing permits in advance. The successful tenderer will be given details of the requirements in this regard.

S2.3 Health and Safety

Not less than 14 days before the start of the first groundwater monitoring visit on the Contractor shall submit to Arup a statement of work describing in full the arrangements and methods the Contractor proposes to adopt in carrying out the site operations including full details of safety precautions. In addition, the statement of work shall incorporate a safety plan that includes, but is not limited to, the following:

- Specification for personal protective equipment to prevent ingestion of, inhalation of and skin contact with contaminated materials.
- Statement of safe working practices which will be employed to avoid or minimise contact with contaminated materials.
- Details of health and safety training undertaken by all levels of the work force.

The Contractor shall not subsequently amend the statement of work or any working practice or procedure contained therein without the prior consent of Arup.

S2.4 Risk assessment

The following table (overleaf) presents a risk assessment prepared by the designer of the monitoring strategy presented in this Specification. This table focuses on risks that are particular to the planned scope of work at this site.

Perceived risk	Mitigation	Responsibility
Uneven working areas – risk of injury to site users	Appropriate PPE and caution to be used when moving around the site	Contractor
Contamination in groundwater/leachate samples – risk of illness from contact with contaminants	Contractor to provide suitable PPE for sampling leachate	Contractor
Potential for ground gases – risk of explosion or asphyxiation from gas accumulation	All working areas to be designated 'no smoking' zones. Appropriate measures and caution to be used when gas monitoring/sampling.	Contractor
Security – risk of injury to site personnel from general public	Contractor to liaise with site owners as appropriate and avoid confrontation	Contractor

SCHEDULE 3: METHOD

The contractor shall use the following methods for monitoring and sampling.

S3.1 Groundwater and Leachate Levels

During each groundwater monitoring round, the Contractor shall investigate the presence of NAPL (prior to any purging) using an interface probe. At all groundwater installations an interface probe shall be used to determine the following:

- LNAPL surface level;
- groundwater surface level;
- DNAPL surface level.

The groundwater level shall be recorded relative to the top of the standpipe. The level of the top of the standpipe shall be determined quarterly.

No NAPL has been recorded at the site to date. However where NAPL is encountered, Arup shall be contacted immediately with details of its location and measured thickness. Arup will provide instruction at this stage for any additional sampling required. A rate should be provided in the bill of quantities for provision of the recovery and sampling of least one NAPL sample per monitoring round.

All groundwater monitoring probes and digital readout units shall be calibrated prior to monitoring visits according to their manufacturer's recommendation and at least at intervals not exceeding one month.

The measurements of the thickness of leachate within the leachate monitoring wells shall be undertaken with a probe suitably resistant to leachate.

The instrument readings shall be recorded on approved record sheets and submitted to Arup by 12.00 noon on the day after the readings were taken.

The following records shall be made for each set of readings:

- type of instrument
- instrument reference
- date and time of readings
- personnel taking the readings
- identification and reference of readout equipment used
- individual readings
- weather
- nearby construction activity or earthworks

- any other pertinent remarks.

S3.2 Sampling

S3.2.1 Groundwater

Groundwater samples shall be taken at the locations indicated in Figure 1 during each round of monitoring using micropurging techniques and field measurements using a flow cell. Samples shall be taken once the flow cell readings have stabilised.

The requirements of BS 10175 and BS 5667 apply to all water samples.

The measurements required from the flow cell are as follows:

Test	Units	Detection Limit	Degree of accuracy
pH	pH units	0.1	±0.1
Temperature	°C	0.1	±0.1
Dissolved oxygen	mgO_2/l	0.1	±0.1
Electrical conductivity	µS/cm	10	±2.0
Redox potential	mV	±1	±0.1

The time of sampling and carrying the test shall also be submitted.

Groundwater samples shall be stored in the dark at 4°C±2°C. Testing for Biological Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Ammoniacal Nitrogen shall be started within 24 hours of sampling.

Care shall be taken to ensure that no cross-contamination occurs either during extraction of the water sample from the sampling well (or water body) or whilst the sample is stored and handled prior to analysis. Depending on the suite of chemical or biological tests to be undertaken, several sub-samples of water may be required, using different types and sizes of container. Water samples shall be chemically fixed with an appropriate agent where necessary. Unless otherwise specified, water samples shall be filtered through a 0.45 micron membrane filter on site before any preservation fixing agents or techniques are applied.

Sufficient water samples shall be taken to allow laboratory testing of the parameters and to the detection limits detailed in Schedule 4.

S3.2.2 Ground Gas

Ground gas monitoring shall be undertaken using suitable equipment which is consistent with the requirements of BS 8576: 2013. Concentrations of methane and carbon dioxide shall be measured using infrared monitoring equipment.

The following gases shall be measured:

- flammable gases;

- hydrogen sulphide;
- carbon dioxide; and
- oxygen.

The monitoring equipment shall be capable of measuring gas concentrations to the following degrees of accuracy:

Gas type	Units	Degree of accuracy
Flammable Gases (incl. Methane)	%LEL	1.0
	%v/v	0.1
Hydrogen Sulphide	ppm	0.5
Carbon Dioxide	%v/v	0.1
Oxygen	%v/v	0.1

The procedure shall be as follows:

1. Measure initial barometric pressure, ambient temperature and differential gas pressure in the standpipe.
2. Take initial gas concentration measurements from each tap valve with portable gas monitoring equipment. Record gas concentrations 5s, 30s and 60s after opening each valve taking readings at one-minute intervals until steady values are achieved or for a maximum of 10 minutes.
3. Take a gas/vapour sample for subsequent laboratory analysis in accordance with the schedule detailed in Schedule 2.1.
4. Carry out gas flow measurements. Attach gas flow measuring device to the top valve and take measurements at 1 minute intervals for a period of not less than 10 minutes, unless gas flow is exhausted. Gas flow displacement measurements in units of l/hr. The detection limit shall be 0.1.
5. Measure atmospheric pressure at the end of the procedure.

The information to be submitted shall be:

a. location and reference number of hole
b. depth of monitoring
c. weather conditions during monitoring, including ambient air temperature
d. standpipe installation details
e. depth to water
f. equipment used
g. operator name and responsibility
h. gas concentrations in the units described in the table above

i. atmospheric pressure in units of millibars

j. Differential gas pressure measurement in units of mm water gauge. The sensitivity shall be 0.5.

S3.2.3 Leachate Sampling

Leachate samples shall be taken at each of the locations specified in Schedule 2.1.

The procedure shall be as follows:

1. Measure the thickness of leachate in the borehole
2. Where sufficient thickness is present for a sample to be taken, this shall be taken using a suitable collection method i.e. a disposable bailer.

S3.2.4 Bulk Gases/ Vapour

Samples for bulk gases and vapours will be undertaken from the gas monitoring locations at the frequency specified in Schedule 2.1. Samples shall be taken using a pressurised sampling vessel such as summa canister. Where a pressurised canister is not appropriate for the analytical measurement of the contaminant, an alternative method should be proposed. A method statement for sampling shall be submitted to Arup prior to sampling for approval.

S3.2.5 Labelling, protection and transportation of samples

All sample storage, labelling, preservation (including temperature control and protection from light) and handling shall be in accordance with BS 10175.

The Contractor shall be responsible for the protection of all samples and for their transport, including loading and unloading.

Containers for water samples shall be opaque and shall be sufficiently robust to avoid being damaged during handling and transportation, and shall not react chemically with the sample. Containers for bacteriological sample collection shall be sterile.

S3.3 Chemical testing requirements

S3.3.1 Schedules

A blank chemical test schedule in excel spreadsheet format shall be provided to Arup within 24 hours of sampling. This shall include the following information:

- Borehole number
- Sample type
- Sample depth (where relevant)

And on the other axis the following shall be listed:

- All suites of chemical tests identified with quantities.

The results of the monitoring works shall be provided as follows:

- All site measurements within 24 hours of the site visit; and
- Chemical test results within 10 working days of receipt of schedules.

S3.3.2 Provision of Data

All data from groundwater installations shall be provided in electronic format using non-write protected Microsoft Excel® spreadsheets.

All data from monitoring and analysis shall also be presented in AGS digital format.

S3.3.3 QA/QC

An allowance shall be made in the costs for field QC blanks and duplicates, suggested allowance of 10% of samples initially, reducing to 5% after an initial characterisation period (assume 3 months for purposes of costs). Separate QC samples are needed for leachate and groundwater.

Allowance shall also be made for obtaining at least one sample per round from multiple levels within the boreholes. This shall consist of three samples; one from the top, one from the middle and one from the bottom of the water column. This is to allow assessment of intra borehole variability.

Arup reserve the right to undertake an audit of the field monitoring and/or laboratory during the period of the contract.

SCHEDULE 4 – CHEMICAL TESTING REQUIREMENTS

The following contaminants are required to be tested for on the groundwater samples. **Please note the detection levels required**.

S4.1 Groundwater analysis required

Determinand	Detection level required µg/l (unless stated otherwise)	Test method offered[1]	Accreditation offered[1]
SUITE A – Heavy Metals			
Antimony	1		
Arsenic	1		
Barium	0.05		
Beryllium	1		
Boron	1		
Cadmium	0.1		
Chromium (hexavalent)	1		
Chromium (III)	1		
Chromium- total	1		
Copper	1		
Lead	1		
Manganese	10		
Mercury	0.01		
Molybdenum	1		
Nickel	10		
Selenium	1		
Vanadium	1		
Zinc	1		
SUITE B- Total Phenols			
Total Phenols	0.5		
SUITE C- Phenols			
Phenol	0.5		
Cresols	0.5		
Xylenols	0.5		
Resorcinol	0.5		
SUITE D – Water samples oxygen demand			
BOD	1 mg O_2/l		
COD	1 mg O_2/l		

Determinand	Detection level required µg/l (unless stated otherwise)	Test method offered[1]	Accreditation offered[1]
SUITE E- General Inorganics			
pH value	0.1 pH units		
Hardness	2 mg/l		
Alkalinity	2 mg/l		
Bromide	1		
Bromate	1		
Cyanide - total	5		
Total Cyanide - ferro and ferri-cyanide	5		
Cyanide - free	5		
Cyanide - thiocyanates	30		
Sulphate	1000 µg SO_4/l		
Sulphide	100 µg S/l		
Calcium	10		
Iron	10		
Magnesium	30		
Ammoniacal nitrogen	15		
Sodium	10		
Potassium	10		
Chloride	2 mg/l		
Total suspended solids	5 mg/l		
Nitrate	100		
Nitrite	10		
Total oxidised nitrogen	0.1 mg/l		
Fluoride	10		
SUITE F- TPH CWG			
TPH CWG Ali >C12-C16	5		
TPH CWG Ali >C16-C35	5		
TPH CWG Ali >C35-C44	5		
TPH CWG Aro >C6-C7	1		
TPH CWG Aro >C7-C8	1		
TPH CWG Aro >C8-C10	1		
TPH CWG Aro >C10-C12	5		
TPH CWG Aro >C12-C16	5		
TPH CWG Aro >C16-C21	5		
TPH CWG Aro >C21-C35	5		
TPH CWG Aro >C35-C44	5		

Determinand	Detection level required µg/l (unless stated otherwise)	Test method offered[1]	Accreditation offered[1]
SUITE G –Speciated PAHs			
Acenaphthene	0.01		
Acenaphthylene	0.01		
Anthracene	0.01		
Benzo(a)anthracene	0.01		
Benzo(a)pyrene	0.01		
Benzo(b)fluoranthene	0.01		
Benzo(ghi)perylene	0.002		
Benzo(k)fluoranthene	0.01		
Chrysene	0.01		
Dibenzo(ah)anthracene	0.01		
Fluoranthene	0.01		
Fluorene	0.01		
Indeno(123-cd)pyrene	0.002		
Naphthalene	0.01		
Phenanthrene	0.01		
Pyrene	0.01		
PAH (total 16)	0.01		
SUITE H- Monoaromatics			
BTEX – Benzene	0.01		
BTEX - Toluene	0.01		
BTEX - Ethyl Benzene	0.01		
BTEX - m & p Xylene	0.01		
BTEX - o Xylene	0.01		
MTBE (Methyl Tertiary Butyl Ether)	0.01		
SUITE I – Volatile Organic compounds			
Dichlorodifluoromethane	1		
Chloromethane	1		
Chloroethane	1		
Bromomethane	1		
Vinyl Chloride	1		
Trichlorofluoromethane	1		
trans 1,2-Dichloroethene	1		
Dichloromethane	1		
Carbon Disulphide	1		
1,1-Dichloroethene	1		

Determinand	Detection level required µg/l (unless stated otherwise)	Test method offered[1]	Accreditation offered[1]
1,1-Dichloroethane	1		
cis 1,2-Dichloroethene	1		
Bromochloromethane	1		
Chloroform	0.1		
2,2-Dichloropropane	1		
1,2-Dichloroethane	1		
1,1,1-Trichloroethane	0.1		
1,1-Dichloropropene	1		
Benzene	1		
Carbon Tetrachloride	0.1		
Dibromomethane	1		
1,2-Dichloropropane	1		
Bromodichloromethane	1		
Trichloroethene	1		
cis 1,3-Dichloropropene	1		
trans 1,3-Dichloropropene	1		
1,1,2-Trichloroethane	0.1		
Toluene	1		
1,3-Dichloropropane	1		
Dibromochloromethane	1		
1,2-Dibromoethane	0.4		
Tetrachloroethene	1		
1,1,1,2-Tetrachloroethane	1		
Chlorobenzene	1		
Ethylbenzene	1		
m & p Xylene	1		
Bromoform	1		
Styrene	1		
1,1,2,2-Tetrachloroethane	1		
o-Xylene	1		
1,2,3-Trichloropropane	1		
Isopropylbenzene	1		
Bromobenzene	1		
2-Chlorotoluene	1		
n-propylbenzene	1		
4-Chlorotoluene	1		

Determinand	Detection level required µg/l (unless stated otherwise)	Test method offered[1]	Accreditation offered[1]
1,2,4-Trimethylbenzene	1		
4-Isopropyltoluene	1		
1,3,5-Trimethylbenzene	1		
1,2-Dichlorobenzene	1		
1,4-Dichlorobenzene	1		
sec-Butylbenzene	1		
tert-Butylbenzene	1		
1,3-Dichlorobenzene	1		
n-butylbenzene	1		
1,2-Dibromo-3-chloropropane	1		
1,2,4-Trichlorobenzene	0.01		
1,2,3-Trichlorobenzene	0.01		
Hexachlorobutadiene	0.005		
Tetrachloroethylene	0.1		
Trichloroethylene	0.1		
1,3,5-Trichlorobenzene	0.01		
2,6-Chloronitrotoluene	1		
4,2-Chloronitrotoluene	1		
4,3-Chloronitrotoluene	1		
2,4-Chloronitrotoluene	1		
2,5-Chloronitrotoluene	1		
SUITE J- Semi-Volatile Organic compounds			
2,4,5-Trichlorophenol	1		
2,4,6-Trichlorophenol	1		
2,4-Dichlorophenol	0.1		
2,4-Dimethylphenol	1		
2,4-Dinitrotoluene	1		
2,6-Dinitrotoluene	1		
2-Chloronaphthalene	1		
2-Chlorophenol	0.1		
2-Methylnaphthalene	1		
2-Methylphenol	1		
2-Nitrophenol	1		
4-Bromophenyl phenyl ether	1		
4-Chloro-3-methylphenol	0.1		
Bis(2-chloroisopropyl)ether	1		

Determinand	Detection level required µg/l (unless stated otherwise)	Test method offered[1]	Accreditation offered[1]
4-Methylphenol	1		
4-Nitrophenol	1		
Bis(2-chloroethyl)ether	1		
Bis(2-chloroethoxy)methane	1		
Bis(2-ethylhexyl)phthalate	1		
Butylbenzyl phthalate	1		
Carbazole	1		
Dibenzofuran	1		
n-Dibutylphthalate	1		
n-Dioctylphthalate	1		
n-Nitroso-n-dipropylamine	1		
Diethyl phthalate	1		
Dimethyl phthalate	1		
Hexachlorobenzene	0.001		
Pentachlorophenol	0.075		
Phenol	1		
Hexachloroethane	1		
Nitrobenzene	1		
Isophorone	1		
Hexachlorocyclopentadiene	1		
Perylene	1		
MTBE	10		
SUITE K – Water samples PCB			
PCBs speciated to WHO 12	0.001		
SUITE L – Water samples herbicides			
2,3,6-TBA	0.02		
2,4-D	0.02		
2,4-DB	0.02		
2,4,5-T	0.02		
2,4,5-TP; (Fenoprop); (Silvex)	0.02		
4-CPA	0.02		
Benazolin	0.02		
Bentazone	0.02		
Bromacil	0.02		
Bromoxynil	0.02		
Clopyralid	0.02		

Determinand	Detection level required µg/l (unless stated otherwise)	Test method offered[1]	Accreditation offered[1]
Dicamba	0.02		
2,4-DP; (Dichlorprop)	0.02		
Diclofop	0.02		
Flamprop	0.02		
Flamprop-isopropyl	0.02		
Fluroxypyr	0.02		
Ioxynil	0.02		
MCPA	0.02		
MCPB	0.02		
MCPP; (Mecoprop)	0.02		
PCP; (Pentachlorophenol)	0.02		
Picloram	0.02		
Triclopyr	0.02		
Carbetamide	0.075		
Chlorbufam	0.1		
Chloroxuron	0.1		
Chlorpropham	0.1		
Chlortoluron	0.075		
Diflubenzuron	0.1		
Dimefuron	0.1		
Diuron	0.075		
Ethiofencarb	0.1		
Isoproturon	0.075		
Linuron	0.1		
Methabenzthiazuron	0.1		
Metoxuron	0.1		
Monolinuron	0.1		
Monuron	0.1		
Pencycuron	0.1		
Phenmedipham	0.5		
Pirimicarb	0.1		
Propham	0.1		
Trifluralin	0.01		
SUITE M – Water samples pesticides			
Ametryn	0.1		
Atraton	0.1		

Determinand	Detection level required µg/l (unless stated otherwise)	Test method offered[1]	Accreditation offered[1]
Atrazine	0.03		
Prometon	0.1		
Prometryn	0.1		
Propazine	0.075		
Simazine	0.03		
Simetryn	0.1		
Terbuthylazine	0.1		
Terbutryn	0.1		
Dichlorvos	0.001		
Mevinphos	0.005		
alpha-Hexachlorocyclohexane (HCH)	0.001		
Diazinon	0.001		
gamma-Hexachlorocyclohexane (HCH / Lindane)	0.001		
Heptachlor	0.01		
Heptachlor Epoxide	0.01		
Aldrin	0.003		
beta-Hexachlorocyclohexane (HCH)	0.005		
Methyl Parathion	0.01		
Malathion	0.001		
Fenitrothion	0.001		
Parathion (Ethyl Parathion)	0.01		
o,p-DDE	0.002		
Endosulphan I	0.005		
Endosulphan II	0.005		
Endosulphan Sulphate	0.005		
p,p-DDE	0.002		
p,p-TDE (DDD)	0.002		
p,p-DDT	0.002		
p,p-Methoxychlor	0.01		
Dieldrin	0.003		
o,p-TDE (DDD)	0.002		
o,p-Methoxychlor	0.01		
o,p-DDT	0.002		
Endrin	0.0005		

Determinand	Detection level required µg/l (unless stated otherwise)	Test method offered[1]	Accreditation offered[1]
Ethion	0.1		
Azinphos-methyl	0.001		
Cyfluthrin	0.1		
Cyhalothrin	0.1		
Cypermethrin	0.075		
Deltamethrin	0.1		
Fenvalerate	0.1		
Permethrin	0.075		
Azinphos-ethyl	0.02		
Chlorfenvinphos	0.001		
Dimethoate	0.01		
Fenthion	0.01		
delta-Hexachlorocyclohexane (HCH)	0.001		
Isodrin	0.003		
cis-Permethrin	0.001		
trans-Permethrin	0.001		
demeton-s-methyl	0.05		
SUITE N – Water samples organotins			
Dibutyltin	0.01		
Tributyltin	0.0002		
Triphenyltin	0.001		
SUITE O - Glycols			
ethylene glycol	0.01		
monoethylene glycol	0.01		
diethylene glycol	0.01		
propylene glycol	0.01		
SUITE P- Radionuclides (screening)			
Gross alpha	10Bq/l		
Gross beta	10Bq/l		
SUITE Q- Radionuclides (specific emitting radionuclides)			
U-238	3.0 Bq/l		
U-234	2.8 Bq/l		
Ra-226	0.5 Bq/l		
Ra-228	0.2 Bq/l		
Pb-210	0.2 Bq/l		
Po-210	0.2 Bq/l		

Determinand	Detection level required µg/l (unless stated otherwise)	Test method offered[1]	Accreditation offered[1]
C-14	240 Bq/l		
Sr-90	4.9 Bq/l		
Pu-239/240	0.6 Bq/l		
Am-241	0.7 Bq/l		
Co-60	40 Bq/l		
Cs-134	7.2 Bq/l		
Cs-137	111 Bq/l		
I-131	6.2 Bq/l		
SUITE R – Water samples other parameters			
Dissolved methane	1		
Acetic acid (Ethanoic acid)	100		
n-Butyric acid (Butanoic acid)	100		
Caproic acid (hexanoic acid)	100		
Heptanoic acid (enanthic acid)	100		
Iso-butyric acid (2-methylpropanoic acid)	100		
Iso-valeric acid (2-methylbutanoic acid)	100		
Propionic acid	100		
n-Valeric acid (pentanoic acid)	100		
2,4-D methyl ester	0.1		
2,4-D ethyl ester	0.1		
2,4-D isopropyl ester	0.1		
2,4-D isobutyl ester	0.1		
2,4-D butyl ester	0.1		
Perfluorooctanic acid (PFOA)	0.1		
Perfluorooctanesulfonic acid (PFOS)	0.1		
SUITE S- NAPL			
NAPL fractional and composition hydrocarbon analysis	n/a		
NAPL density and viscosity	1 kg/m^3 and 0.5 mPa.s		
[1] Contractor to indicate method(s) and accreditation offered			

S4.2 Vapour and gas testing requirements

Results should reported in ppbv and µg/m3

Determinand	Detection level offered[1]	Analytical method offered[1]
Ground gases		
Carbon Dioxide		
Carbon Monoxide		
Hydrogen sulphide		
Methane		
Methane		
Nitrogen		
Oxygen		
Ethane		
Propane		
Butane		
Pentane		
Hexane		
Heptane		
Ethene		
Trace gases		
1,1,1,2-Tetrachloroethane		
1,1,1-Trichloroethane		
1,1,2,2-Tetrachloroethane		
1,1,2-Trichloroethane		
1,1-Dichloroethane		
1,1-Dichloroethene (1,1 DCE)		
1,1-Dichloropropene		
1,2,3-Trichlorobenzene		
1,2,3-Trichloropropane		
1,2,4-Trichlorobenzene		
1,2,4-Trimethylbenzene		
1,2-Dibromo-3-chloropropane		
1,2-Dibromoethane		
1,2-Dichlorobenzene		
1,2- Dichloroethene		
1,2-Dichloroethane		
1,2-Dichloropropane		
1,3,5-Trimethylbenzene		
1,3-Butadiene		
1-Butanethiol		
1-Pentene		

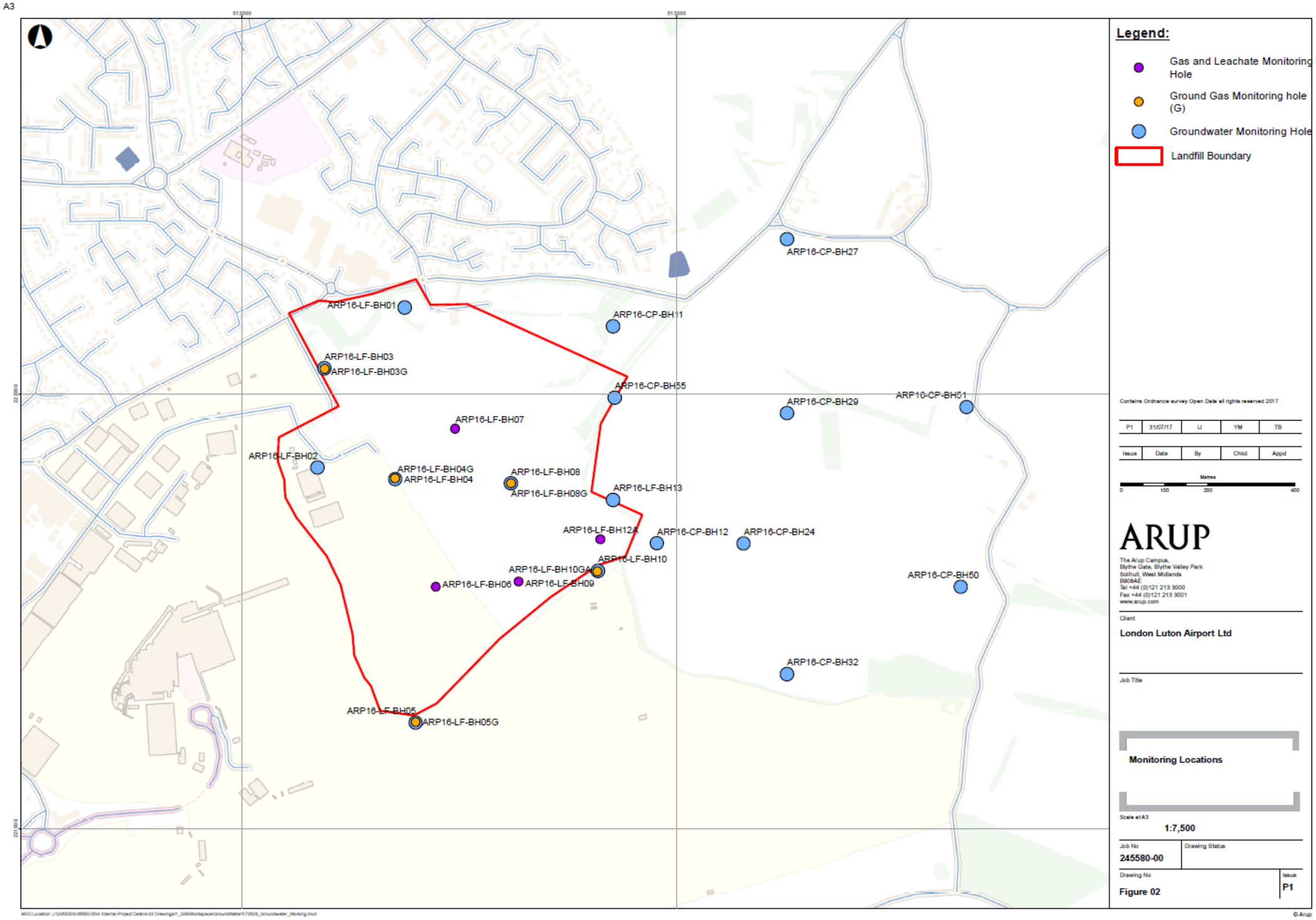
Determinand	Detection level offered[1]	Analytical method offered[1]
1-Propanethiol		
2-butoxy ethanol		
1,3-Dichlorobenzene		
1,3-Dichloropropane		
1,4-Dichlorobenzene		
2,2-Dichloropropane		
2-Chlorotoluene		
4-Chlorotoluene		
4-Isopropyltoluene		
Arsenic (as As)		
Acetaldehyde		
Benzene		
Bromobenzene		
Bromochloromethane		
Bromodichloromethane		
Bromoform		
Bromomethane		
Butyric acid		
Carbon Disulphide		
Carbon Tetrachloride		
Chlorobenzene		
Chloroethane		
Chloroform		
Chloromethane		
cis-1,2-Dichloroethene		
cis-1,3-Dichloropropene		
Dibromochloromethane		
Dibromomethane		
Dichlorodifluoromethane (F-12)		
Dichloromethane (DCM)		
Dimethyl disulphide		
Dimethyl sulphide		
Ethanethiol		
Ethyl butyrate		
Ethylbenzene		
Furan (1,4-epoxy-1,3-butadiene)		
Formaldehyde		

Determinand	Detection level offered[1]	Analytical method offered[1]
Hexachlorobutadiene		
Mercury		
Methanethiol		
Isopropylbenzene		
m&p - Xylenes		
Methyl tertiary butyl ether		
Naphthalene		
n-Butylbenzene		
o-Xylene		
Propylbenzene		
PCDDs and PCDFs		
Sec-Butylbenzene		
Styrene		
Tert-Butylbenzene		
Tetrachloroethene (PCE)		
Tetrachloromethane		
Toluene		
Trans-1,2-Dichloroethene		
trans-1,3-Dichloropropene		
Trichloroethene (TCE)		
Trichlorofluoromethane (F-11)		
Trimethylbenezene		
Vinyl Chloride		
Volatile Gases TICs		
[1] Contractor to indicate detection limit and analytical method offered		

S4.3 Leachate Analysis required

Leachate will be analysed for the same suite of contaminants as the groundwater

A3


ARP16-LF-BH01
ARP16-LF-BH03
ARP16-LF-BH03G
ARP16-LF-BH07
ARP16-LF-BH02
ARP16-LF-BH04G
ARP16-LF-BH04
ARP16-LF-BH08
ARP16-LF-BH08G
ARP16-LF-BH13
ARP16-LF-BH12A
ARP16-LF-BH10
ARP16-LF-BH10GA
ARP16-LF-BH06
ARP16-LF-BH09
ARP16-LF-BH05
ARP16-LF-BH05G
ARP16-CP-BH27
ARP16-CP-BH11
ARP16-CP-BH55
ARP16-CP-BH29
ARP16-CP-BH51
ARP16-CP-BH12
ARP16-CP-BH24
ARP16-CP-BH50
ARP16-CP-BH32
Legend:
Gas and Leachate Monitoring Hole
Ground Gas Monitoring hole (G)
Groundwater Monitoring Hole
Landfill Boundary
Contains Ordnance survey Open Data all rights reserved 2017
P1 31/07/17 IJ YM TB
Issue Date By Chkd Appd
Metres
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Scale at A3
1:7,500
Job No
245580-00
Drawing Status
Drawing No
Figure 02
Issue
P1
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Minutes

ARUP

Project title	Luton Airport Expansion	Job number	245580-00
Meeting name and number	EA Meeting 26th March 2018	File reference	
Location	EA Offices, Welwyn Garden City	Time and date	1400 26 March 2018
Purpose of meeting	Discuss GI strategy and EIA DCO scoping		
Present	[redacted]		
Apologies			
Circulation	Those present		

Action

1. Luton Airport Expansion

YM presented the high level proposals for the expansion plans. No fixed masterplan yet but likely to involve at least part of the landfill. The proposed Century Park development is still currently proposed to go ahead. Phasing of the Century Park development with the expansion works is currently being looked at. YM will update on proposed plans as soon as more details are available.

YM to provide update on proposals once more details available

2. EIA Scoping

JR presented the proposed scoping approach for the water resources EIA chapter for the DCO.

Agreed to include water quality as part of the water resources chapter with signposts to relevant sections of the soils and geology chapter

Agreed that assessment work will include detailed hydrogeological and contaminant transport modelling. Will be informed by the proposed GI works.

Flood risk not too much of a concern from EA perspective, main issue is surface water drainage

Prepared by [redacted]

Date of circulation

Date of next meeting

Minutes

Project title	Job number	Date of Meeting
Luton Airport Expansion	245580-00	26 March 2018

		Action
3.	**Groundwater monitoring programme**	
	Updated EA on status of this.	
	Arup to set up way of providing monitoring data to EA, look to set up a web viewer which includes raw data and summary of any significant results for each round.	
4.	**Ground investigation strategy**	
	Leachate – discussed request for upflow percolation testing of soils. KS stated this is the ideal test for assessing leachate as the standard batch test is less conservative but does realise it is expensive and not many labs which undertake this testing. KS to provide further information on upflow percolation tests. Stated that would be best to consider tiered approach to testing with batch tests for a larger number of samples and then more detailed testing on selected samples where potential leachate issues identified	KS to provide further information on most suitable test
	Packer Testing – KS suggested obtaining groundwater samples from each test horizon to obtain information on stratification of water quality within chalk	Arup to look into sampling groundwater during packer tests
	Trial pits – need to identify if any evidence of leachate identified during excavation. If significant leachate identified in trial pits obtain samples of this.	Arup to include requirement for sampling of leachate in TPs in GI
	EA would be keen to attend site during the GI and in particular would be interested to observe trial pits, packer tests and on-site forensic analysis	YM to advise KS when dates of GI known
	No particular approvals or permits are required for GI from the EA, however they would want to review method statements for GI and some agreement may be required for packer testing once know volumes of water may be dealing with	Arup to provide EA with details once received
	Overall EA appeared to be happy that the proposed GI strategy was comprehensive and should obtain the level of data they would be expecting	
5.	**Water Framework Directive (WFD) Assessment**	
	Arup identified that a WFD compliance assessment is likely to be required as part of the overall assessment. It was recognised that the assessment methodology has not yet been defined due to the early stage of the project but that when it is ready it will need to be agreed with the EA	KM to identify relevant contact to discuss WFD issues with
6.	**Future meetings**	

Minutes

Project title	Job number	Date of Meeting
Luton Airport Expansion	245580-00	26 March 2018

	Action
Due to limited time availability the EA has they don't necessarily need to have a further meeting prior to commencement of GI. It was agreed that Arup would provide updates to the EA and they could decide if a further meeting was necessary once they had reviewed the information.	Arup to provide updates as further information becomes available.

Appendix B - Not used

Appendix C- Nuvia Radionuclide Survey

Further Investigation of Areas of Interest at Luton

Document Reference: 72819/TR/001
Issue 1

Revision details:

Issue	Reason for re-issue	Date of re-issue

Author	Winston Smith	**Signature:** **Date:** 12.03.19
Reviewer	Helen Beddow	**Signature:** **Date:** 12.03.19
Approver	Helen Beddow	**Signature:** **Date:** 12.03.19

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Abbreviations/ Acronyms	
NaI	Sodium Iodide
GIS	Geographical Information Systems
HRGS	High Resolution Gamma Spectrometry
MCA	Multi-Channel Analyser
BEGe	Broad Energy Germanium
HP	Health Physics
ISOCS	In-situ Object Counting System
MDA	Minimum Detectable Activity

1 INTRODUCTION

Ground Investigation works were undertaken at the Former Eaton Green Landfill site by AECOM. Luton Airport had a key role in World War II and aircraft were manufactured at the nearby former Percival Works. Historically aircraft dials have been painted with radionuclides such as radium (Ra-226) to make them luminous. Therefore, given the history of the area, further specialist investigation of the former landfill was warranted to confirm whether any radioactivity was disposed of at the site. To support ground investigation works, Nuvia were contracted by AECOM to provide radiation protection monitoring. During these works three locations were noted to have above background radiation readings and where reported in Nuvia Radiation Advice Note 72786/AN/001: TP224 (identified 25 June 2018), BBH207 (identified 14 July 2018) and TP273 (identified 18 July 2018). Note that the highest radiation dose rate measurement recorded (TP224) was 0.25 microSvh^{-1}. To put these radiation levels in perspective, someone taking a return flight to Spain would receive a radiation dose of around 10 microSv due to elevated cosmic radiation, hence the external radiation hazard in these areas is low.

Radiation readings approximately 2-3 times background were recorded at locations TP224 and BBH207. At TP224 the elevated readings were detected at the surface, and no ground was broken, whereas the elevated radiation readings at BBH207 were detected during hand digs and the trial pits abandoned and excavated material backfilled.

Radiation readings around 2-3 times background where recorded at location TP273 so the location of the trial pit was moved approximately 8 m. However, readings around 2 times background were detected at a depth of approximately 30 cm in the new location; though it should be noted that no elevated readings were observed in the excavated spoil and the trial pit work could continue.

This report details the further investigation works carried out in these areas of interest (TP224, BBH207 and TP273) to establish whether remediation work is necessary.

2 METHODOLOGY

2.1 Groundhog Survey

To investigate the three areas, a non-intrusive large area surface gamma survey was conducted around each location using Nuvia's Groundhog system.

Nuvia's Groundhog system comprises a 76 x 76 mm sodium iodide (NaI) detector coupled to an advanced gamma radiation spectrometer. The detector and spectrometer are mounted in a carbon fibre composite case, to reduce the weight of the detector and to improve the transmission of low-energy gamma radiation. The detector and spectrometer are connected to an Ultra-Mobile PC carried by the operator. A mapping-grade GPS is used to calculate the position of every radiation measurement with sub-metre accuracy. Measurements are taken along transects and a measurement is recorded automatically every second, so that on average there is one full spectral measurement in every square metre of the survey area, *i.e.* a high density of survey measurements. After surveying, the data is downloaded onto a PC and processed to produce high resolution contour maps of the gamma radiation levels using Geographical Information Systems (GIS).

Nuvia uses the ESRI ArcGIS software and has extended it to improve the analysis of radiation survey data. These features include the ability to select, group and analyse the gamma radiation spectra, where we can

identify radionuclides such as Ra-226, *i.e.* sum spectra over arbitrary domains, in time and space; as individual spectra are rarely of use, typically with only 200-300 counts.

Completion of a Groundhog survey at each area allowed for the location of any elevated radiation levels at the surface and to establish whether activity was localised or distributed across a large area. The information gained by the Groundhog survey was then used to target sampling.

2.2 Sampling

If an area of elevated activity was detected during the Groundhog survey, then sampling was targeted at these locations. However, if no elevated readings were noted then sampling was conducted at the original location of the trial pit/borehole.

Trial pits were excavated to a depth of approximately 30 cm at each sampling location and the same Health Physics (HP) instrumentation used in the original surveys, were used to scan arisings as they were produced. If spoil was found to have elevated radiation readings, then that material was selectively sampled.

2.3 High Resolution Gamma Spectrometry (HRGS)

Samples were analysed using Nuvia's HRGS system which comprises a detector, multi-channel analyser (MCA) and laptop.

The detector medium for the HRGS system is a crystal of germanium which is electrically cooled to below -173°C. The system is manufactured by Canberra and is a Falcon 5000 Broad Energy Germanium (BEGe) 2830, serial number 13000222.

The MCA digitises the signals from the detector and converts it into an energy spectrum that can be analysed using software installed on the laptop. The unit is set-up to acquire a gamma spectrum over 8192 channels and the default energy window for the system is 0 to 2700 keV. A feature of the Falcon 5000 is the integration of the MCA into the detector housing, so that the only hardware connected to the detector is the laptop. All operations are carried out using software commands from the attached laptop via an ethernet cable.

The detector's detection characteristics are defined, allowing mathematical modelling software to be utilised to determine its efficiency without the need for radioactive sources. Efficiency calibrations are generated using Canberra's In-Situ Object Counting System (ISOCS) Geometry Composer modelling software version 4.4.

The detector was elevated to view the mid-point of each sample under investigation and the sample placed on a small turntable; the turntable allowing the detector to view all around the sample and essentially smooth out variations in activity distribution.

Each Sample was analysed for 30 minutes whilst on-site, to screen them for transport back to Nuvia's Harwell office and to provide rapid evaluation as to whether significant contamination was present. Once returned

to Harwell the samples were analysed for 8 hours each, to reach the limits of detection required to assess their activities relative to background levels.

3 INVESTIGATION RESULTS

3.1 TP224

The surface radiation map produced by the Groundhog survey can be seen in Appendix 1. Though radiation levels can be seen to fluctuate across the area, the survey doesn't show any notable features; background fluctuations to this degree are expected.

A shallow trial pit was therefore excavated at the location of TP224, along with HP monitoring of excavated spoil and the trial pit. No readings above background were detected from the excavated spoil and count rates less than twice background were recorded in the excavation itself (Appendix 4). A representative sample from the excavation was taken for HRGS analysis.

HRGS analysis of the samples showed no artificial radionuclides to be present and natural radionuclides to be below the Minimum Detectable Activity (MDA). The result for radium, and its short-lived daughters' bismuth and lead, are shown in Table 1.

Table 1: HRGS results for sample TP224 (Bq/g).

Nuclide	Result	Uncertainty	MDA
^{214}Bi	Not Detected	n/a	3.52E-02
^{214}Pb	Not Detected	n/a	2.90E-02
^{226}Ra	Not Detected	n/a	3.30E-01

3.2 BBH207

The surface radiation map produced by the Groundhog survey can be seen in Appendix 2. Though radiation levels can be seen to fluctuate across the area, the survey doesn't show any notable features; background fluctuations to this degree are expected.

A shallow trial pit was therefore excavated at the location of BBH207, along with HP monitoring of excavated spoil and the trial pit. No readings above background were detected from the excavated spoil and count rates less than twice background recorded in the excavation itself (Appendix 4). A representative sample from the excavation was taken for HRGS analysis.

HRGS analysis of the sample showed no artificial radionuclides to be present. Radionuclides in the natural chains were also found to be below the Minimum Detectable Activity (MDA) except for radium's short-lived daughters' bismuth and lead. The result for ^{226}Ra, ^{214}Bi, and ^{214}Pb, are shown in Table 2.

Table 2: HRGS results for sample BBH207 (Bq/g).

Nuclide	Result	Uncertainty	MDA
^{214}Bi	5.13E-02	1.35E-02	n/a
^{214}Pb	4.21E-02	1.18E-02	n/a
^{226}Ra	Not Detected	n/a	1.95E-01

3.3 TP273

The surface radiation map produced by the Groundhog survey can be seen in Appendix 3. From this survey two noticeable features can be identified where count rates appear to decrease away from a central location: identified as TP273N and TP273S.

Shallow trial pits were excavated at both locations, along with monitoring of excavated spoil and the trial pit. No readings above background were detected from the excavated spoil at either location but count rates in the region of 2-3 times background where recorded in the excavation itself at TP273S (Appendix 4). Samples from the excavation were taken for HRGS analysis.

HRGS analysis of the samples showed no artificial radionuclides to be present. Radionuclides from the natural chains were also found to be below the Minimum Detectable Activity (MDA) in the sample taken from TP272N, except for radium's short-lived daughter bismuth. The results for ^{226}Ra, ^{214}Bi, and ^{214}Pb, for this sample are shown in Table 3.

Table 3: HRGS results for sample TP273N (Bq/g).

Nuclide	Result	Uncertainty	MDA
^{214}Bi	2.50E-02	1.50E-02	n/a
^{214}Pb	Not Detected	n/a	2.03E-02
^{226}Ra	Not Detected	n/a	1.58E-01

Radium's short-lived daughter bismuth and lead were detected in the sample taken from TP273S. The results these radionuclides are shown in Table 4.

Table 4: HRGS results for sample TP273S (Bq/g).

Nuclide	Result	Uncertainty	MDA
^{214}Bi	3.98E-02	1.77E-02	n/a
^{214}Pb	6.36E-02	1.46E-02	n/a
^{226}Ra	Not Detected	n/a	2.17E-01

4 DISCUSSION

Of the locations re-visited, only TP273S was found to have a count rate in excess of twice background. It should be noted that this reading was observed within the excavation. This could therefore be explained by the increase in material surrounding the detector rather than from the presence of contamination; increased volume of material surrounding the detector increasing the detectable activity from naturally occurring radioactive materials.

The failure to replicate the count rates originally observed can be explained by the ground conditions at the time of the surveys. This is due to the original survey having been conducted in dry conditions and the return surveys conducted in wet conditions; high moisture content in soils resulting in a reduced count rate.

4.1 Sample Results

Radium is a low probability, low energy, gamma emitter so has a high limit of detection. However, its short-lived daughters ^{214}Bi and ^{214}Pb are readily detectable by HRGS and by accounting for the loss of activity, due to the loss of the gaseous ^{222}Rn, following the decay of ^{226}Ra, can be used to infer the activity of ^{226}Ra in the sample. Typically, a radon loss of 30% is assumed to infer the activity of radium present (Table 5).

Table 5: Inferred ^{226}Ra activities for each sample (Bq/g).

Sample	Result	Uncertainty	MDA
TP224	Not Detected	n/a	4.14E-02
BBH207	6.67E-02	1.81E-02	n/a
TP273N	3.56E-02	2.15E-02	n/a
TP273S	7.39E-02	2.31E-02	n/a

^{214}Bi and ^{214}Pb ought to be in equilibrium due to their short half-lives but heterogeneity within the samples can result in a discrepancy between their results. Therefore, where both are detected, an average of the two results has been used to infer the radium concentration shown in Table 5.

Background radiation concentrations in natural ground vary depending on the composition of the soil in question but are typically in the range of 0.03 – 0.07 Bq/g for ^{226}Ra. However, the samples taken are all from made ground which was noted to contain brick, cinders and concrete. This explains the slightly elevated readings observed in the sample taken from BBH207 and TP273S; clay bricks observed to contain up to 0.2 Bq/g ^{226}Ra [1].

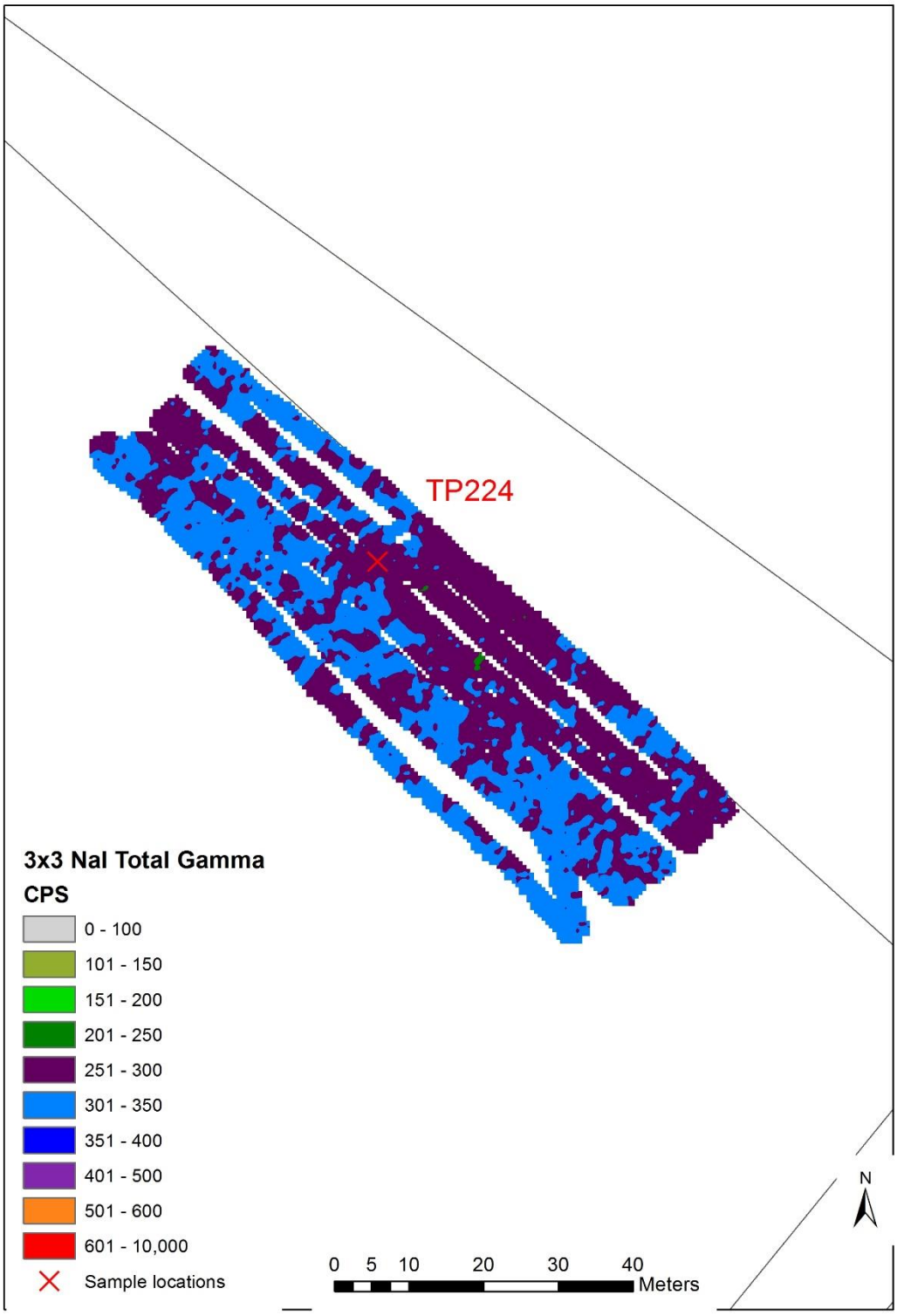
5 SUMMARY

Only the survey of the area surrounding TP273 observed any notable features and targeted samples were taken from these features together with samples from TP224 and BBH207. Analysis of the HRGS results show the levels observed are consistent with expected natural background levels and are therefore of no concern.

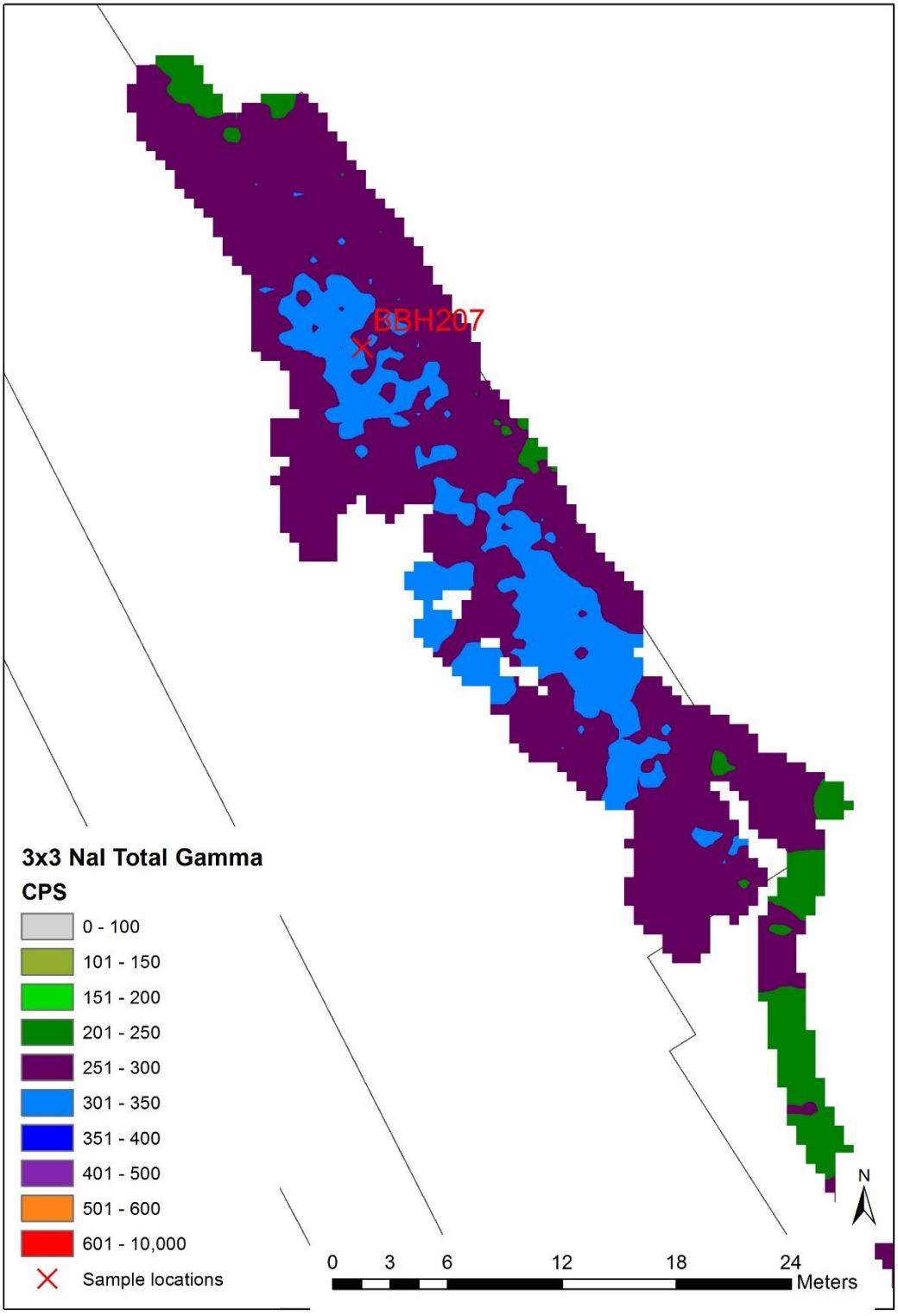
REFERENCES

[1] World Nuclear Association, “Naturally-Ocurring Radioactive Materials,” December 2016. [Online]. Available: http://www.world-nuclear.org/information-library/safety-and-security/radiation-and-health/naturally-occurring-radioactive-materials-norm.aspx.

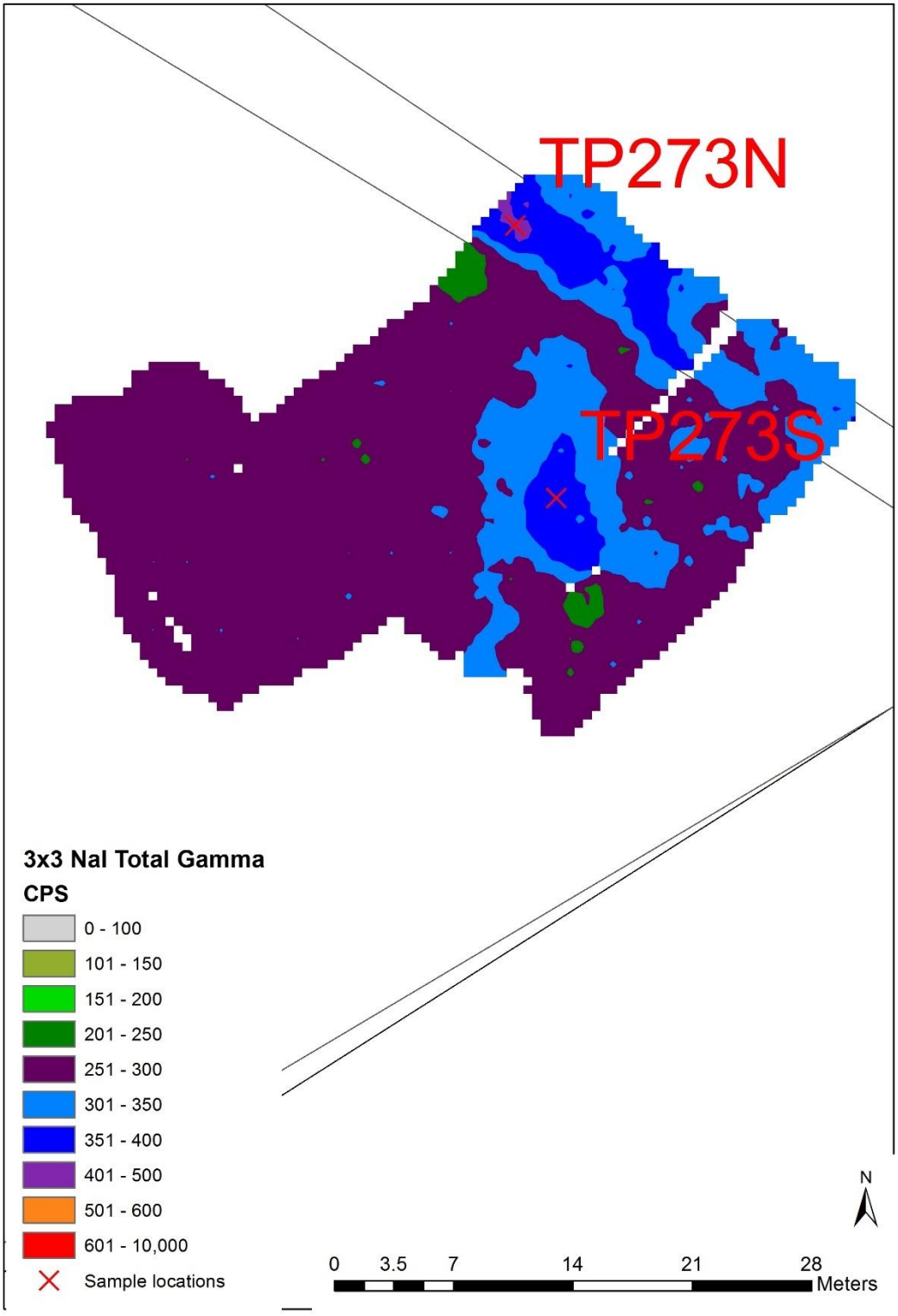
APPENDIX 1


TP224
3x3 NaI Total Gamma
CPS
0 - 100
101 - 150
151 - 200
201 - 250
251 - 300
301 - 350
351 - 400
401 - 500
501 - 600
601 - 10,000
Sample locations
0 5 10 20 30 40
Meters
N

APPENDIX 2


BBH207
3x3 NaI Total Gamma
CPS
0 - 100
101 - 150
151 - 200
201 - 250
251 - 300
301 - 350
351 - 400
401 - 500
501 - 600
601 - 10,000
Sample locations
0
3
6
12
18
24
Meters
N

APPENDIX 3


TP273N
TP273S
3x3 NaI Total Gamma
CPS
0 - 100
101 - 150
151 - 200
201 - 250
251 - 300
301 - 350
351 - 400
401 - 500
501 - 600
601 - 10,000
Sample locations
N
0 3.5 7 14 21 28
Meters

APPENDIX 4

Health Physics Survey Reports

NUVIA

Radiological Survey Report
Health Physics

Survey sheet 1 of 1

Survey Date: 6-2-19	Start time:	Area Designation		Instruments		Instrument Serial Numbers	Instrument Background	Function Test Pre	Function Test Post
Building/location:		Non-Designated	a						
Survey reference number:		Supervised area *	b						
Survey Description:		C: R:	c						
		Controlled area *	d						
		C: R:	e						

Net Radiation (circle units)			Net Contamination						General Comments:
µSv/h or mSv/h			cps		Bq/cm²		P or Sm	U/S or S	
βγ	γ	n	α	β	α	β			

	Print Name(s)	Signature(s)	Date	HPS comment:
Survey completed by:				
HP Supervisor				
RPA / RPS				

Distribution: White prime copy to Health Physics Yellow carbonated copy retained by client P/Sm = probe or smear measurement U/S = unsatisfactory result S = Satisfactory result *Add hazard category

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Tel: 01925 856200 Fax: 01925 856403 Email: info@nuvia.co.uk www.nuvia.co.uk

NUVIA

Radiological Survey Report
Health Physics

Survey sheet 1 of 1

Survey Date: 6-2-19	Start time:	Area Designation		Instruments	Instrument Serial Numbers	Instrument Background	Function Test Pre	Function Test Post
Building/location: Wigmore Park Luton		Non-Designated	a	NaI / Electra	2366/6672	250-300 cps	✓	✓
Survey reference number:		Supervised area *	b	4393 / Electra	313826 / 05134	α 0.1 cps β 4 cps	✓	✓
Survey Description:		C: R:	c	Mini Rad	933	0.1 μSv/h	✓	✓
TP 273 surveyed as excavated + sampled (north + south)		Controlled area *	d	443 / Mini Mon	1144 / 23473	7 cps	✓	✓
		C: L R: L	e					

	Net Radiation (circle units) μSv/h or mSv/h β/γ	γ	η	Net Contamination cps α	β	Bq/cm² α	β	P or Sm	U/S or S
Prework survey North		2020			2020 (1)			P	
Small excavation to depth of 25 cm					100 (1)			P	
Hole surveyed				2020	2020 (2)			P	
					2020 (3)			P	
Spoils + sample surveyed		2020			2020 (1)			P	
				2020	2020 (2)			P	
					2020 (3)			P	
Post excavation survey					2020 (1)			P	
Pre work survey South		2020			100 (1)			P	
Small excavation to depth of					520 (1)			P	
Approx 25 cm hole surveyed				2020	5 (2)			P	
					25 (3)			P	
Spoils + sample surveyed		2020			2020 (1)			P	
				2020	2020 (2)			P	
					2020 (3)			P	
Post excavation survey					100 (1)			P	

General Comments:
(1) NaI / Electra Readings
(2) 43-93 Readings
(3) 44B Readings

	Print Name(s)	Signature(s)	Date
Survey completed by:	J. Kowson	[signature]	6-2-19
HP Supervisor			
RPA / RPS	W. Smith	W. Smith	9-2-19

HPS comment:

Distribution: White prime copy to Health Physics Yellow carbonated copy retained by client P/Sm = probe or smear measurement U/S = unsatisfactory result S = Satisfactory result *Add hazard category

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Page 1 of 1

NUVIA

Radiological Survey Report
Health Physics

Survey sheet 1 of 1

Survey Date: 6-2-19	Start time:	Area Designation		Instruments	Instrument Serial Numbers	Instrument Background	Function Test Pre	Function Test Post
Building/location: HIGHMOOR PARK LUTON		Non-Designated	a	NaI/Electra	2366/6632	250-300 BS	✓	✓
Survey reference number:		Supervised area *	b	43/93/Electra	313826/05134	x0.1cps β 4cps	✓	✓
Survey Description:		C: R:	c	MINI RAM	933	0.1 μSv/hr	✓	✓
BGH 207 SURVEYED AS EXCAVATED & SAMPLED		Controlled area *	d	44B/MINI MON	1144/23477	7cps	✓	✓
		C: L R: L	e					

	Net Radiation (circle units) μSv/h or mSv/h β/γ	γ	η	Net Contamination cps α	cps β	Bq/cm² α	Bq/cm² β	P or Sm	U/S or S
PRE WORK SURVEY		2080			2080 ①			P	
SMALL EXCAVATION TO DEPTH									
OF APPROX 25cm. HOLE SURVEYED		2080			70 ①			P	
				2080	2080 ⑤			P	
					2080 ③			P	
SPOILS & SAMPLE SURVEYED		2080			2080 ①			P	
				2080	2080 ②			P	
					2080 ③			P	
PACKAGING & EQUIPMENT SURVEYED				2080	2080 ②			P	
POST EXCAVATION SURVEY					2080 ①			P	

General Comments:
① NaI/Electra
② 43/93 Ludlums
③ 44/Mini Mon Ludlum

	Print Name(s)	Signature(s)	Date
Survey completed by:	J. Knowlson		6-2-19
HP Supervisor			
RPA / RPS	W. Smith		9-2-19

HPS comment:

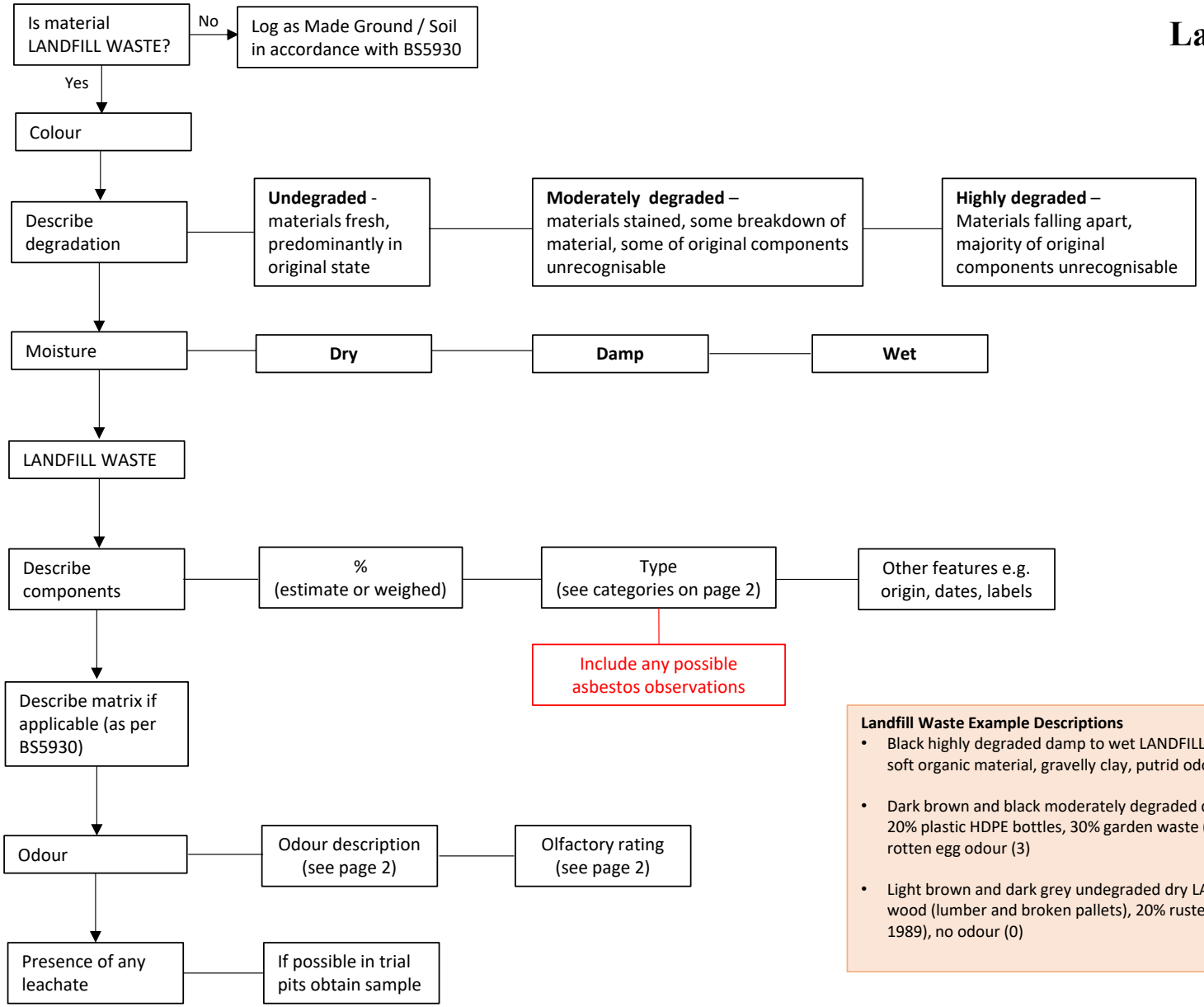
Distribution: White prime copy to Health Physics Yellow carbonated copy retained by client P/Sm = probe or smear measurement U/S = unsatisfactory result S = Satisfactory result *Add hazard category

Appendix D - Landfill Waste Characterisation

Appendix D

D1 Landfill Logging Protocol

Landfill Waste Logging



Landfill Waste Example Descriptions

- Black highly degraded damp to wet LANDFILL WASTE comprising 5% aluminium cans, 15% black plastic bags, 80% unidentifiable soft organic material, gravelly clay, putrid odour (2), minor seepage of leachate at 3.5m
- Dark brown and black moderately degraded dry LANDFILL WASTE comprising 20% mixed paper (includes magazine dated 1978), 20% plastic HDPE bottles, 30% garden waste (branches and twigs), 10% clear glass bottles, 10% corrugated boxes, 10% sand, rotten egg odour (3)
- Light brown and dark grey undegraded dry LANDFILL WASTE comprising 50% other inorganics (25% concrete, 25% brick), 20% wood (lumber and broken pallets), 20% rusted iron nails, 5% tin can (500ml with creosote label), 5% newsprint (newspaper dated 1989), no odour (0)

Waste Component Categories - Adapted from *ASTM D5231-92 (2016)*)

Waste Component Categories	Description
Mixed paper	Office paper, computer paper, magazines, glossy paper, waxed paper and other paper not fitting the categories of newsprint and corrugated
Newsprint	Newspaper
Corrugated	Corrugated medium, corrugated boxes or cartons and brown (kraft) paper (that is corrugated) bags
Plastic	All plastics - PET bottles, HDPE bottles, film, other plastics
Garden waste	Branches, twigs, leaves, grass and other plant material
Food waste	All food waste except bones
Wood	Lumber, wood products, pallets and furniture
Biological	Clinical waste, veterinary waste
Other organics/ combustibles	Textiles, rubber, leather and other primarily burnable materials not included in above categories
Construction waste	Concrete, brick, tiles, plaster, tarmac, bitumen
Ferrous	Iron, steel, tin cans and bi-metal cans
Aluminium	Aluminium, aluminium cans and aluminium foil
Glass	All glass - clear, brown, green
Other inorganics/ non-combustibles	Rock, sand, dirt, ceramics, non-ferrrous non-aluminium metals (copper, brass etc), bones, ash, clinker, slag

Descriptive terms for odours (From D.Norbury, 2016)

Category	Descriptive terms
Camphor	Bitter Mothballs Acrid
Musk	Penetrating Pungent
Floral	Wide range of terms, not likely to be used often in Made Ground
Peppermint	Sweet Minty
Ether	Solvent Acetone Medicinal
Vinegar	Sharp Acetic Pungent Rancid
Putrid	Rotten egg Rotten cabbage Fishy Disagreeable, sweet Sulphurous
Hydrocarbon	Organic Petrol Diesel Oil Asphalt Tar

Olfactory rating

Rating	Olfactory observations
0	No odour
1	Faint odour
2	Distinct but not strong
3	Strong odour
4	Strong odour discernible in ambient air
5	Very strong odour very discernible in ambient air

Appendix D

D2 Waste Logging Sheet

Waste Logging Sheet											
Exploratory Hole ID:			**Date:**			**Filled by:**					
Depth:			**Sample Mass (m1):**		kg	**Sample Selected for Lab Analysis:** Y / N					
Anticipated Thickness of Waste			**Weather:**			**Lab Code:**					
Is material is Waste :	Y / N	*(If No. Log as Made Ground / Soil in accordance with BS5930)*									
Colour of Waste:											
Describe Degradation:		Undegraded		Moderately Degraded		Highly Degraded					
Moisture:	Dry	Damp	Wet	**Sample Texture:**							
Odour:	Y / N	**Olfactory Rating from 1 to 5:**									
	Camphor		**Musk**		**Peppermint**		**Ether**		**Vinegar**		
	Bitter		Penetrating		Sweet		Solvent		Sharp		
	Mothballs		Pungent		Minty		Acetone		Acetic		
	Acrid						Medicinal		Pungent		
									Rancid		
	Putrid				**Hydrocarbon**						
	Rotten Egg				Organic						
	Rotten Cabbage				Petrol		Diesel				
	Fishy				Oil						
	Disagreeable, Sweet				Asphalt						
	Sulphurous				Tar						
Presence of any Leachate:	Y / N	*If possible in trial pits obtain sample*									
Describe Components in %:	Estimated / Weighted										
Mixed Paper:	Newsprint:		Corrugated:		Plastic:						
Garden Waste:	Food Waste:		Wood:		Biological:						
Other Organic / Combustibles:			Construction Waste:								
Ferrous:	Aluminium:	Glass:	Other Inorganics/ Non-Combustibles:								
Description of Components:											
Possible Presence of Asbestos Containing Material:	**Y / N**	**Description:**									
Describe Matrix as per BS5930:											
Sample Mass after analysis (m2):	kg	**Difference between m1 and m2:**									
If difference greater than 1% please do the analysis again											

Appendix D
Methodology for Forensic Waste Logging

D3 Introduction

D3.1.1 This document outlines the methodology undertaken by Geotechnical Engineering Ltd (GEL)/AECOM during the 2018 Landfill Ground Investigation.

D3.1.2 The process of forensic logging was overseen by Arup throughout the ground investigation.

D4 Methodology

D4.1 Sample Selection

Boreholes

D4.1.1 Borehole samples were selected either by the AECOM supervising engineer or Arup engineer.

D4.1.2 The samples selected were continuous runs of similar looking material, not based on logs or descriptions (as these were not readily available at the time), from core boxes.

D4.1.3 An example of a chosen borehole sample is shown below, this example was recorded as BH213 10.50-11.50m:

Trial Pits

D4.1.4 Trial pits samples were collected at the side of the pit by the GEL engineer supervising the trial pitting. The engineers in the forensic lab would then be informed either by the GEL logging engineer or the Arup engineer who shadowed the trial pit which bulk samples were most worth looking at/most representative of the strata encountered.

D4.1.5 The samples were generally one (sometimes two) standard bulk bags in size, variably filled (dependant on the waste encountered). Generally, any partially sharp, large or

potentially dangerous (i.e. syringes etc) objects were excluded from the sample to avoid unnecessary risk of injury to the engineers conducting the forensic logging.

D4.1.6 These samples were recorded as spot samples (i.e. assigned to a single depth, 5.0m) or a short range of depth (i.e. 5.0-5.2m).

D4.2 Sample Processing

D4.2.1 Borehole samples were selected from the core boxes and then removed utilizing (gloved) hands or pallet knifes/scrapers and deposited into a clean metal tray.

D4.2.2 Trial pit samples were emptied from the bulk bag(s) into a clean metal tray.

D4.2.3 If samples were particularly large or predicted to weigh over 13kg (limit of weighing scales) then the sample was split into multiple trays.

D4.2.4 The samples were then photographed within the trays with appropriate labelling, as shown below:

D4.3 Sample Assessment

Initial Assessment

D4.3.1 Samples were then weighed utilizing electronic scales accurate to 4 decimal places (units = kg) and the total weight of the sample recorded.

D4.3.2 The sample was then bulk assessed for its colour, dampness, degradation, odour, odour rating, sample texture and presence of leachate. This is similar to the field landfill waste logging procedure.

D4.3.3 It is noted that odours were hard to assess, given the need to face mask PPE protection during the forensic logging process and therefore weaker odours are likely to have been missed.

Detailed Assessment

D4.3.4 The sample was then picked apart and split into 14 categories of waste components as specified on the Arup landfill waste logging sheet.

D4.3.5 The sample was sifted through a number of time, removing separable components out from the main bulk into separate piles/trays for weighing. Anything remaining after the sifting process was deemed to be 'Other Non-Organics/Inorganics'. Once the engineers were satisfied that sufficient sifting had occurred each waste component was then weighed individually and recorded. Photos were sometimes (but not always) taken of the individual components as a record.

Final Stages

D4.3.6 The individual components were then recombined into one sample, and this was weighed and compared to the initial weight recorded to check for discrepancies (for example if some component was missing etc or errors). If there were any discrepancies noted, then checks would be made and the sample re-processed if necessary.

D4.3.7 Notes would also be made as to whether any asbestos containing material had been identified and the matrix (if present) would be described to BS5930:2015.

D4.3.8 The sample would then be put into a bulk bag and put into storage on site, before being disposed of at the end of the ground investigation.

D4.3.9 Calculations were then conducted to work out the relevant percentages of each waste competent compared to the whole sample. (This process has been conducted automatically when entering the data into the excel spreadsheet from the PDF versions to avoid and errors).

Appendix D
Methodology for Assigning Waste Type

D5 Introduction

D5.1.1 This document aims to set out the methodology utilised during the process of assigning a waste type to each layer of landfill encountered during the 2018 Landfill Ground Investigation.

D5.1.2 Waste types for which landfill material would be categorised into are as follows:

Table 1: Waste Types

Waste Type	Description	Colour Assigned
Non-Chalky Cover	Cover material with a non-chalky matrix	
Chalky Cover	Cover material with a chalky matrix	
Construction Waste	Material from construction projects	
Recent Domestic Waste	Household waste from post-1970	
Old Domestic Waste	Household waste from pre-1970	
Industrial Waste	Factory, scrapyard etc waste	
Commercial Waste	Office and retail waste	

D5.1.3 It is noted that each layer has been assigned one waste type. Though some layers exhibit characteristics of multiple waste types, the most dominant waste type has been chosen. This has been done to simplify the data analysis and creation of the ground model.

D6 Sources of Data for Waste Classification

D6.1.1 The following data sources were viewed and considered in deciding what to classify each waste strata as.

Table 2: Data Sources

Data Source	Description
2018 Landfill GI Exploratory Hole Logs	Borehole and trial pit logs from where landfill waste was encountered.
Arup site team logs	Arup shadow logs / notes generally from Trial Pits, but also some from shadow borehole logging.
GEL/AECOM supplied photos (WVP + LTCP)	Core photos and Trial Pits photos from 2018 Landfill GI.
Arup site team photos	Photos taken by Arup site team during 2018 Landfill GI
AECOM Forensic Waste Descriptions and Photos	Photos and original forensic logging sheets.
Arup Forensic Waste Photos	Photos taken from Arup shadowing forensic logging.

Data Source	Description
Arup – volumes derived from forensic logging	Arup's conversion of forensic values (by weight) from AECOM into volumes.

D7 Non-Chalky Cover

D7.1.1 Non-Chalky Cover has been defined as either material near surface used to "cap" the landfill, or daily capping layers from when the landfill was active. These are largely derived from superficial deposits such as Clay-with-Flints Formation, Dry Valley Deposits etc.

D7.1.2 This material is generally brown or orangish brown in colour and contains flint and more occasionally chalk gravel.

D7.1.3 The majority of these strata are natural materials (other non-organics) mostly soil with some inclusions of construction waste, but (generally) less than construction waste. Small proportions of other waste constituents may also be present within these layers, generally presumed to be from tracking of materials whilst being placed.

D7.2 Typical image and description of Non-Chalky Cover:

Location	Depth	Description
BH218	0.00 – 1.50m bgl	Grass over stiff friable brown slightly sandy slightly gravelly CLAY. Gravel is subangular and subrounded fine to coarse flint. Rare rootlets. (MADE GROUND)

D8 Chalky Cover

D8.1.1 Similarly to Non-Chalky Cover, this material has been defined as either material near surface used to "cap" the landfill, or daily capping layers from when the landfill was active. However, these are largely derived from Chalk rather than superficial deposits.

D8.1.2 Chalky cover is generally white, off-white or grey in colour and containing chalk and more occasionally flint gravel.

D8.1.3 The majority of these strata are natural materials (other non-organics), comprising mostly soil with some inclusions of construction waste but (generally) less than within construction waste. Small proportions of other waste constituents may also be present within these layers, generally presumed to be from tracking of materials whilst being placed.

D8.2 Typical images and descriptions of Chalky Cover:

Location	Depth	Description
BH202A	4.20 – 7.75m bgl	Firm locally soft grey locally mottled white slightly sandy slightly gravelly CLAY. Gravel is subangular and subrounded fine and medium chalk.

Location	Depth	Description
TP229	0.25 – 0.50m bgl	Brown slightly silty gravelly fine to coarse SAND. Gravel is angular to subrounded fine to coarse flint and off-white chalk.

D9 Construction Waste

D9.1.1 Construction Waste was typically encountered near surface as a “cover” layer but was also present throughout the landfill including at significant depths. It was largely derived from reworked natural superficial deposits and was brown or orangish brown in colour.

D9.1.2 Construction Waste was defined by the presence of brick and concrete with a lesser percentage of wood, plastic, glass, ferrous and other organics. However, in a small number of cases brick and concrete may be absent, but other typifying waste items would be present.

Waste Constituent	Typical Items Noted
Construction Waste	Brick Concrete Concrete with rebar.
Wood	Lumber Timber Wooden Posts Chipboard / MDF / Plywood
Plastic	Builders sacks Wrapping from bricks Electrical wiring
Ferrous	Rebar Piping Nails / Screws
Glass	Fragments
Other Organics	Fabric rags Hessian sacks
Other Inorganics	Soil (clay, silt, sand) Natural gravels (flint, chalk) Ceramic pipe Asphalt

D9.2 Photos of typical Construction Waste:

D10 Recent Domestic Waste

D10.1.1 Recent Domestic Waste is any household waste from post-1970. It was most notably encountered within the eastern portion of the playing fields in WVP. It typically was largely formed of “black plastic bag” waste from household bins, mixed with other materials such as materials from skips from house clearances etc.

D10.1.2 Typically, it was brown to dark grey in colour and was typified by the presence of plastic, newspapers and food containers. Where dates were identified this was used to separate the Recent Domestic Waste from Old Domestic Waste. In situations where no date was identified a combination of the types of items within the stratum and the composition of the strata above and below were taken into account.

Waste Constituent	Typical Items Noted
Construction Waste	Brick
Mixed Paper	School books Magazines Manuals
Newsprint	Typically in small numbers, single copies
Wood	Furniture Chipboard / MDF / Plywood
Plastic	Food wrappings – bread, frozen food etc Yoghurt pots Children's toys Shopping bags Bin bags Bottles Washing-up Liquid Bleach Cosmetics containers
Ferrous / Aluminium	Food cans Paint cans Drinks cans – beer and soft drinks Cooking utensils Nails
Glass	Fragments Lightbulbs Bottles Jars
Other Organics	Shoes Clothing Carpet Towels Leather bags, belts etc.
Other Inorganics	Soil (clay, silt, sand) Natural gravels (flint, chalk) Ceramic tile Ceramic and China plates/dishes Broken down material – too small to identify.

D10.2 Photos of typical Recent Domestic Waste:

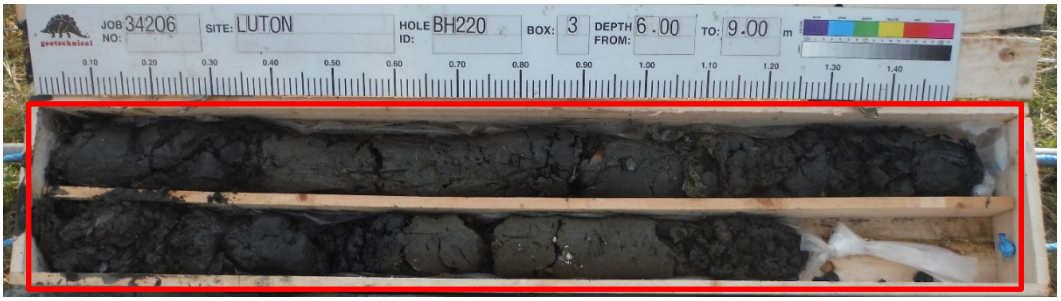
D11 Old Domestic Waste

D11.1.1 Old Domestic Waste is any household waste from pre-1970. It was most notably encountered at depth across the site and in the west of the site in the LTCP. It typically was largely formed of ashy household waste, including newspaper, leather, bones etc. The waste closer to 1970 more resembled Recent Domestic Waste but typically with less plastic.

D11.1.2 Where dates were identified this was used to separate the Old Domestic Waste from Recent Domestic Waste. In situations where no date was identified a combination of the types of items within the stratum and the composition of the strata above and below were taken into account.

Waste Constituent	Typical Items Noted
Construction Waste	Brick
Mixed Paper	Books TV Magazines
Newsprint	Typically in small numbers, single copies, mostly more degraded.
Wood	Furniture Wood fragments
Plastic	Plastic bags Washing up liquid “Hard” plastics
Ferrous / Aluminium	Cans Tins Coins Nails Jar lids Bottle caps
Glass	Fragments Bottles Jars
Other Organics	Shoes Textiles Rubber gloves
Other Inorganics	Soil (clay, silt, sand) Natural gravels (flint, chalk) Tile Ceramic and China plates/dishes Broken down material – too small to identify. Clinker Ash Bone

D11.2 Photos of typical Old Domestic Waste:



D12 Industrial Waste

D12.1.1 Industrial Waste comprised a number of different sources of waste. These strata is largely waste from local factories, garages and the former scrapyard which was formerly in the northwest of the landfill. A number of locations identified waste which is likely to have come from the Vauxhall factory to the west of Luton Airport.

D12.1.2 The Industrial Waste also spans the entire history of the landfill, and therefore is varied in composition. For example, earlier Industrial Waste typically contains more construction waste, ash, clinker and slag than the later industrial waste of the 1960s and 1970s. Brick and concrete were often present in higher quantities in all industrial waste.

Waste Constituent	Typical Items Noted
Construction Waste	Brick Concrete
Mixed Paper	Instruction manuals
Newsprint	Rare newspapers
Wood	Furniture Wood fragments
Plastic	“Hard” plastics Malformed plastic Waste plastic from moulding Rare food wrappings
Ferrous / Aluminium	Scrap metal Car parts Machine parts Cans Tins Steel/iron sheets
Glass	Fragments Bottles Jars
Other Organics	Rubber Foam Tyres Vinyl Fabric scraps and offcuts
Other Inorganics	Soil (clay, silt, sand) Natural gravels (flint, chalk) Tile Clinker Ash

Waste Constituent	Typical Items Noted
	Slag

D12.2 Photos of typical Industrial Waste:

D13 Commercial Waste

D13.1.1 Commercial Waste appeared to typically be office, school or retail waste from shops or the airport. It was characterised by typically greater amounts of mixed paper, newsprint, corrugated, plastic and wood in the form of pallets.

Waste Constituent	Typical Items Noted
Construction Waste	Brick
Mixed Paper	Flight directories Bank statements Pension statements Commercial catalogues Time Cards Magazines
Newsprint	Large stacks of newspapers including the same newspaper repeated several times.
Corrugated	Cardboard boxes Cigarette packages
Wood	Pallets
Plastic	Airline cutlery and food packaging Plastic bags Polystyrene
Ferrous / Aluminium	Ring binders
Glass	Fragments
Other Organics	Fabric Shoes
Other Inorganics	Soil (clay, silt, sand) Natural gravels (flint, chalk)

D13.2 Photos of typical Commercial Waste:

Appendix D

D14 Summary of Laboratory Forensic Analysis

Exploratory hole ref.			BH203	BH204	BH214	BH207A	GW203	GW203	TP205	TP212	TP213	TP214	TP216	TP216	TP221	TP222	TP228	TP242	TP264	TP276	BH217	BH222	TP243	TP251	TP252
Depth (m)			9.00	12.00 - 13.00	15.50 - 16.50	12.00 - 13.50	2.10 - 4.35	5.85 - 8.85	1.50	4.00 - 4.10	4.50	3.40	2.80	4.50	4.50	3.00 - 3.20	3.50	5.50	5.70	3.50	7.70 - 8.40	3.50 - 4.00	3.00 - 3.10	4.00 - 4.20	4.10 - 4.20
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			05/07/2018	06/07/2018	10/07/2018	02/07/2018	-	-	-	07/07/2018	05/07/2018	-	05/07/2018	25/06/2018	26/06/2018	05/07/2018	05/07/2018	17/07/2018	03/07/2018	16/07/2018	04/12/2018	06/12/2018	30/11/2018	06/12/2018	07/12/2018
Date Received (by laboratory)			06/07/2018	14/07/2018	25/07/2018	14/07/2018	28/06/2018	28/06/2018	28/06/2018	14/07/2018	06/07/2018	28/06/2018	06/07/2018	14/07/2018	14/07/2018	06/07/2018	06/07/2018	25/07/2018	20/07/2018	25/07/2018	13/12/2018	13/12/2018	13/12/2018	13/12/2018	13/12/2018
SDG Ref.			180706-120	180716-11	180725-86	180716-11	180703-28	180703-28	180703-28	180716-11	180706-120	180703-28	180706-120	180716-11	180716-11	180706-120	180706-120	180725-86	180720-15	180725-86	181213-32	181213-32	181204-86	181213-32	181213-32
Lab Sample No.			17887926	17940297	18003597	17940299	17860441	17860437	17860446	17940307	17887924	17860450	17887920	17940311	17940309	17887917	17887922	18003599	17971839	18003602	18948835	18948839	18948809	1894831	18948826
Component	Units																								
Total Sample Weight	g		7330	9390	8.84	13200	7410	5480	15500	14200	12300	14400	8970	15000	10300	15100	8970	10900	3.08	10.4	8660	6120	3410	7170	5110
Coarse Inert Particles, including Gravel, Concrete	% w / w		4.08	17.2	15.8	16.7	19.5	34	41.6	47.6	26.4	16.5	7.52	31.4	16.9	28.5	7.52	18.1	0.65	12.6	16.4	17.3	1.79	8.44	12
Visible Wood, Branches, Trees etc	% w / w		16.5	11.7	1.78	1.59	24.7	5.53	3.42	8.65	6.81	3.88	8.26	0.593	9.94	3.59	8.26	3.66	0	2.13	10.5	0	0	2.15	12.6
Visible Vegetation, Grass, Food Waste etc.	% w / w		0.0136	0.0106	0	0.00755	0.121	0	0	0	0	0	0.0112	0.00666	0	0.00661	0.0112	0	0	0	0.173	0	2.2	0	0.0587
Visible Cloth, Leather	% w / w		35.4	1.64	0.905	0.709	9.85	11.5	0	2.41	2.78	0.00696	0.836	0	10.2	12.2	0.836	15.4	65.3	5.42	6.5	0.833	0.617	2.46	0
Visible Metal, Glass, Ceramics, other Inert mat.	% w / w		3.25	6.03	3.56	2.03	9.66	31.3	0.168	0.555	3.96	6.58	10.2	0.307	4.88	4.98	10.2	6.43	11.1	7.13	4.79	3.07	5.81	23.4	3.05
Other Degradable Material	% w / w		8.77	10.7	1.72	4.7	16.6	9.29	0.0711	1.65	18.1	2.35	33.8	0.147	17.3	4.77	33.8	9.47	18.3	2.51	5.67	15.9	57.6	28.3	23.2
Fine Soil including Gravel <10mm	% w / w		32	52.7	76.2	74.2	19.6	8.32	54.7	39.1	41.9	70.7	39.4	67.5	40.7	45.9	39.4	47	4.68	70.3	56	62.8	32	35.3	49.1
Total Sample Weight (kg)	kg		7.33	9.39	0.0088	13.2	7.41	5.48	15.5	14.2	12.3	14.4	8.97	15	10.3	15.1	8.97	10.9	0.0031	0.0104	8.66	6.12	3.4	7.17	5.11

Appendix D
Waste Chemistry

D16 Introduction

D16.1.1 This section presents “Box and Whisker” plots demonstrating the range of concentrations from laboratory results for 14 different representative contaminants.

D16.1.2 The contaminants which have been plotted are as following:

a. Lead;
b. Arsenic;
c. Copper;
d. Mercury;
e. Benzo(a)pyrene;
f. Benzene;
g. Naphthalene;
h. Vinyl Chloride;
i. 1-2 Dichloroethane;
j. 1,3,5-Trimethlybenzene;
k. 1,2,4-Trimethylbenzene;
l. Bis(2-chloroethoxy)methane;
m. Dibenzofuran;
n. Trichloroethene.

D16.1.3 These contaminants have been sorted by a number of filters to show the data in different ways, these are discussed below.

D16.2 Split by Era

D16.2.1 First the data was sorted by “Era” of landfill construction/filling the eras are defined as:

a. **Pre-1947** – earliest period of landfill WWII era;
b. **1947 to 1955** – post war landfill;
c. **1955 to 1960** – period during which the Clean Air Act was introduced;
d. **1960 to 1970** – major phase of landfill, defined by introduction of larger volumes of plastics; and
e. **1970 to 1980** – final stage of landfill defined by large volumes of “black bag waste” before a non-engineered cap was placed.

D16.3 Split by Waste Type

D16.3.1 Secondly the data was sorted by “Waste Type” as defined within the report, the waste types are as follows:

a. **Construction** waste;
b. **Industrial** waste;
c. **Commercial** waste;
d. **Recent Domestic** waste;
e. **Old Domestic** waste;
f. **Chalky** (daily) **Cover**;
g. **Non-chalky** (daily) **Cover**;
h. Non-landfill **Made Ground**.

D16.4 Waste Type split by Era

D16.4.1 The data has also been sorted by a combination of Era and Waste Type.

D16.4.2 First the data was split to show a contaminant within a certain waste type, split by era.

a. Example: **Lead** within **construction** waste split by **era** shows the highest concentration of lead within this type of waste was in 1955 to 1960.

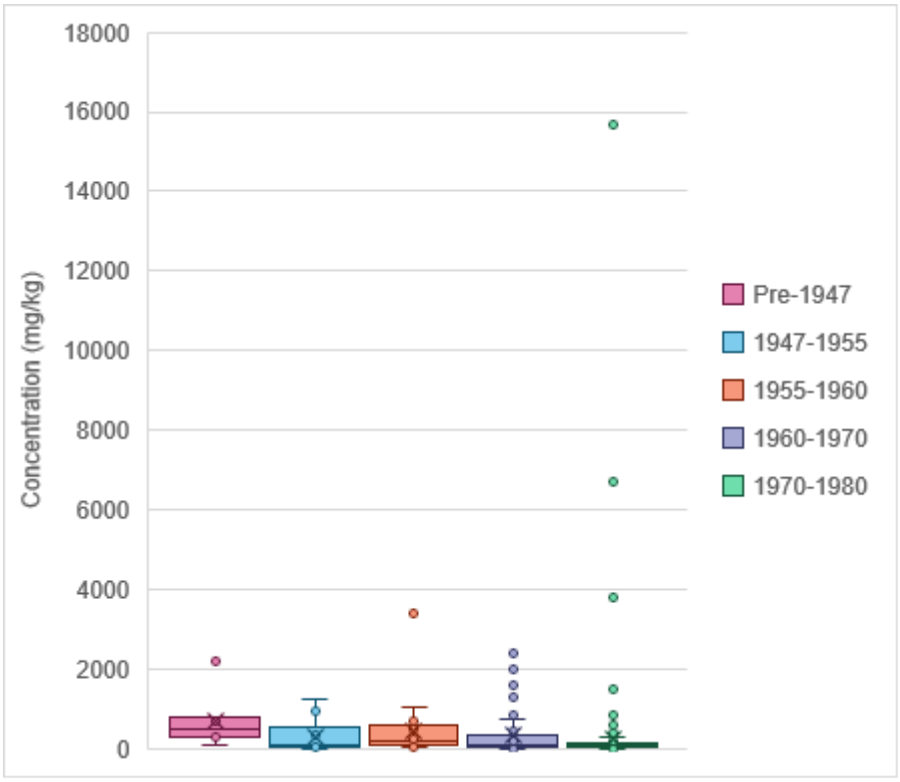
D16.5 Era split by Waste Type

D16.5.1 Second the data was split to show a contaminant within a certain era, split by waste type.

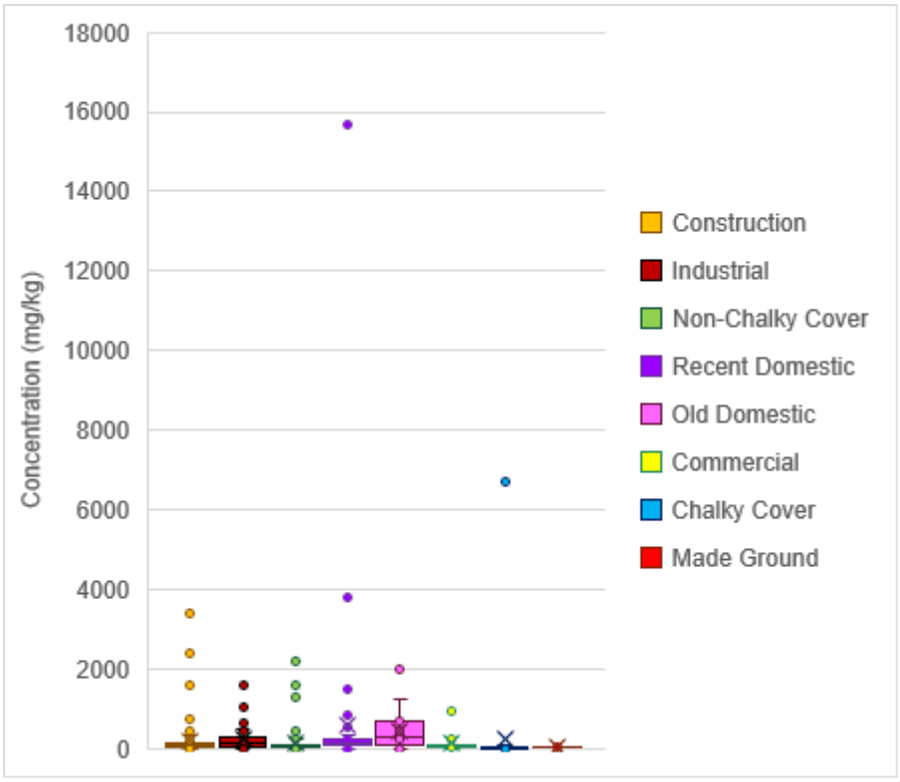
a. Example: **Lead** contamination from between **1947 and 1955** split by **waste type** shows the highest concentration of lead within this era was in old domestic waste.

D17 Lead

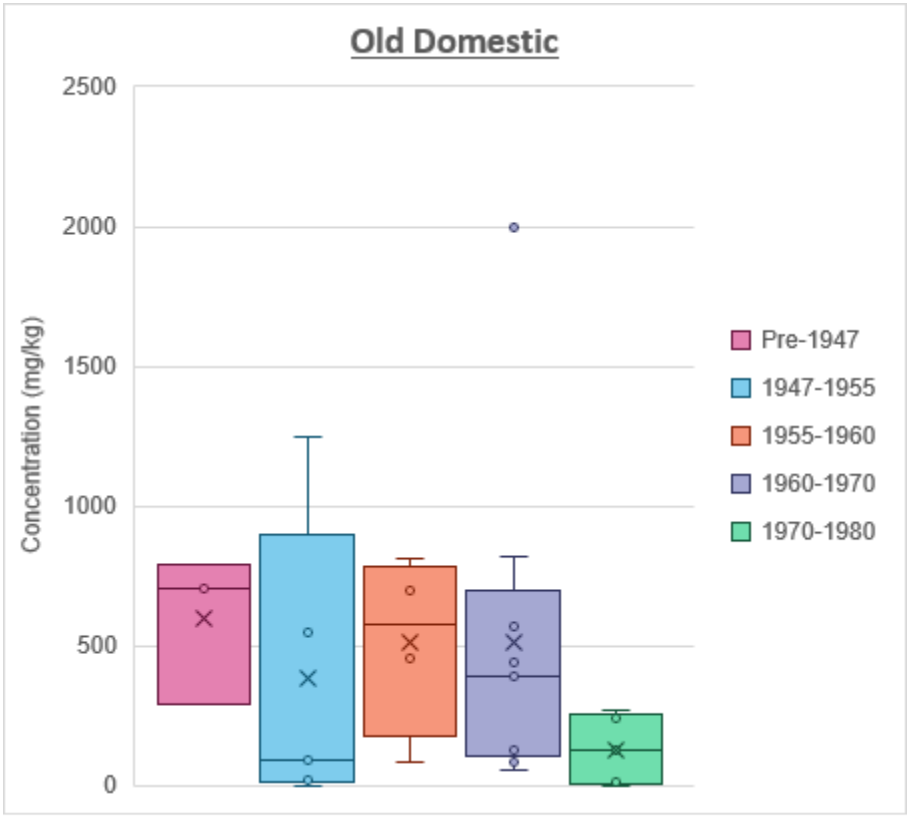
D17.1 Concentration by Era

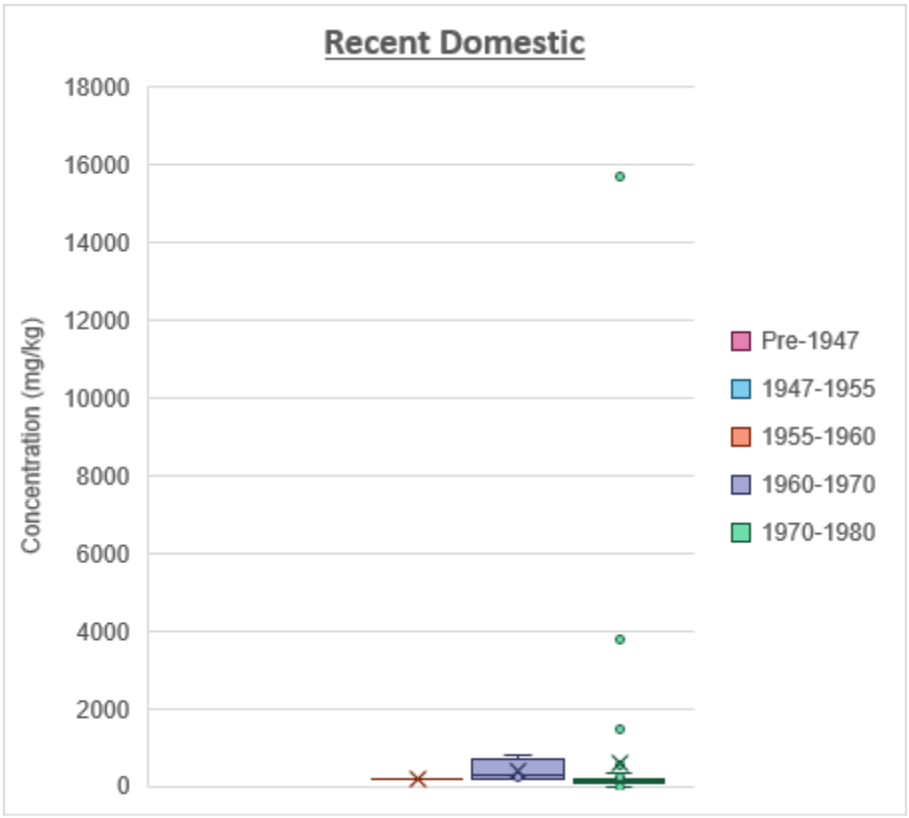


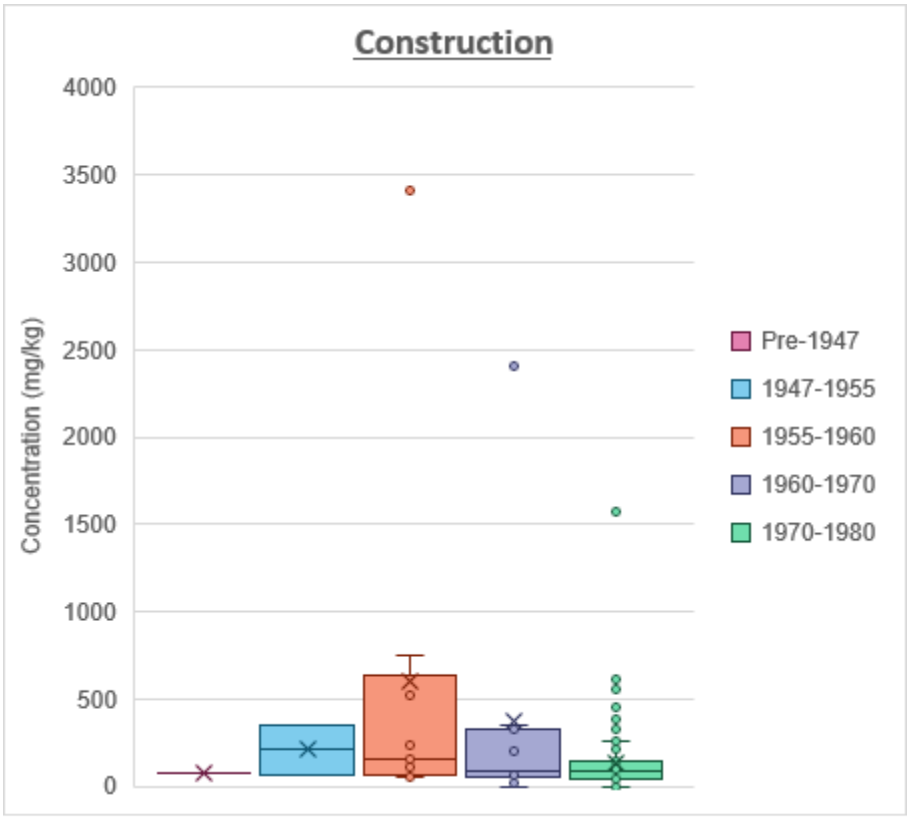
D17.2 Concentration by Waste Type

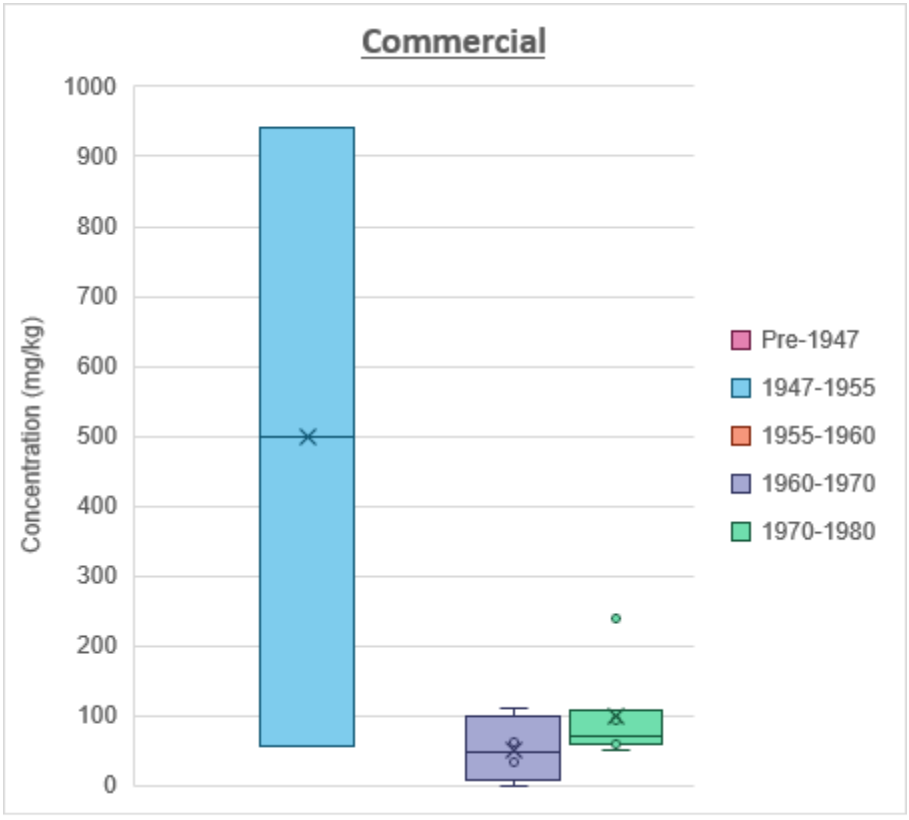


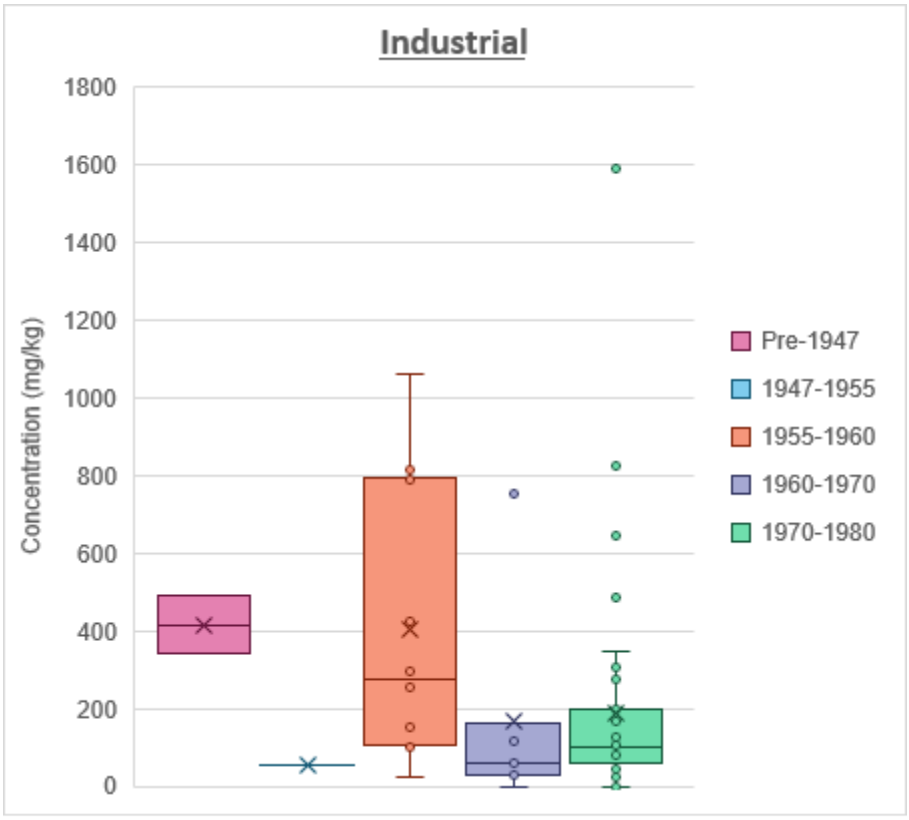
D17.3 Concentration by Waste Type and Era

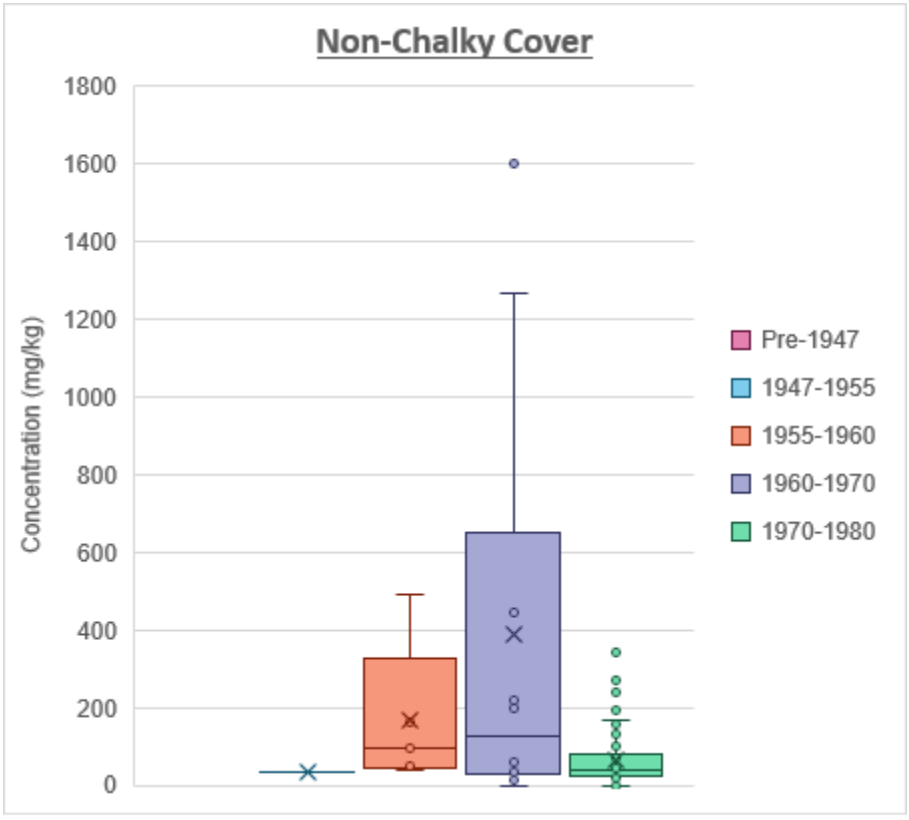


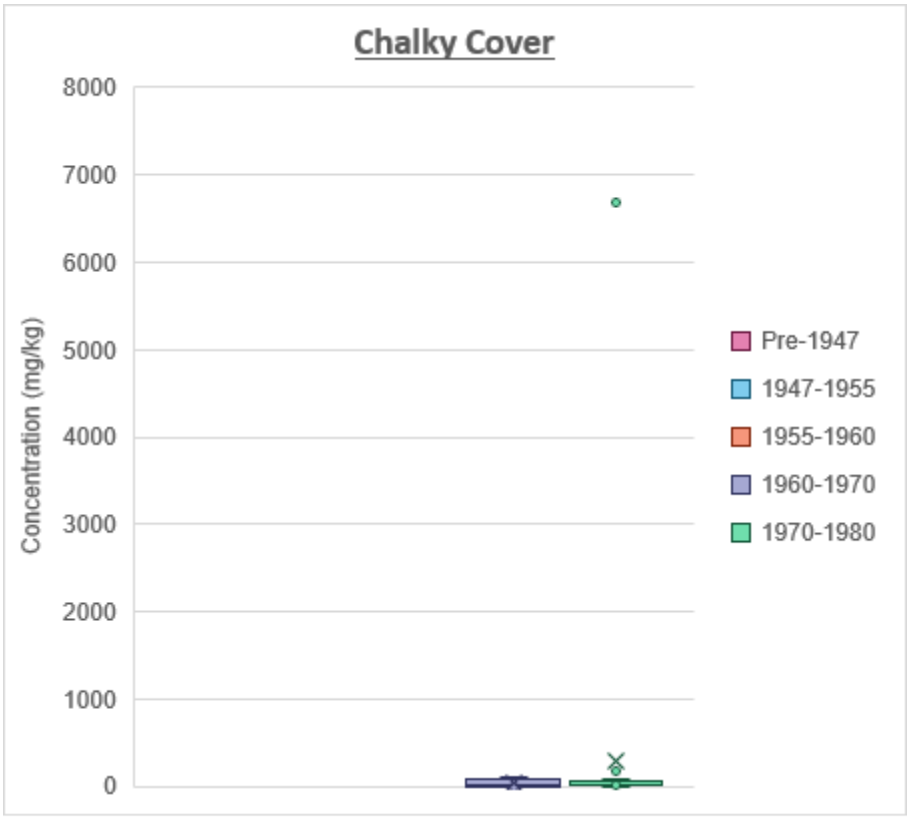



Construction
Concentration (mg/kg)
4000
3500
3000
2500
2000
1500
1000
500
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

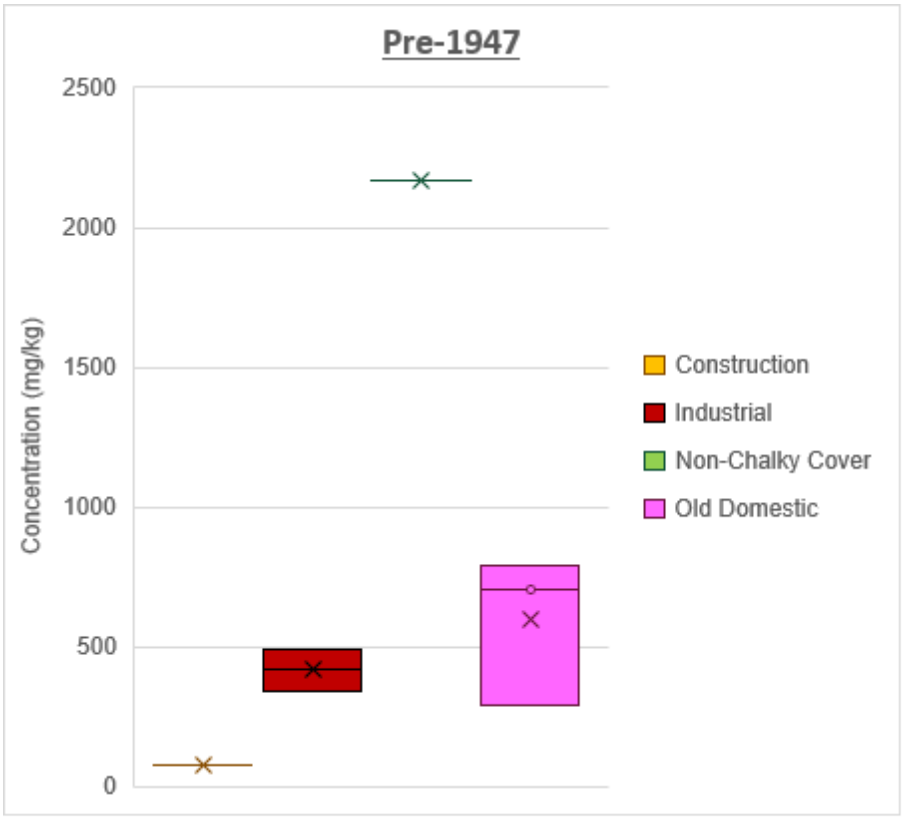

Commercial
Concentration (mg/kg)
1000
900
800
700
600
500
400
300
200
100
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

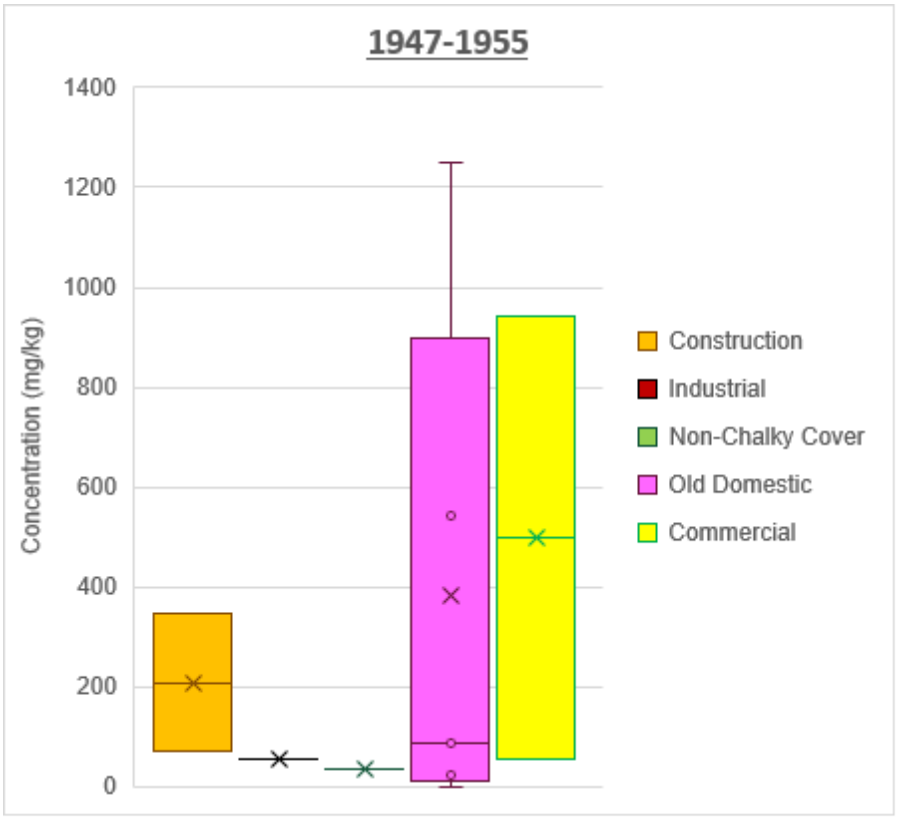

Industrial
Concentration (mg/kg)
1800
1600
1400
1200
1000
800
600
400
200
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

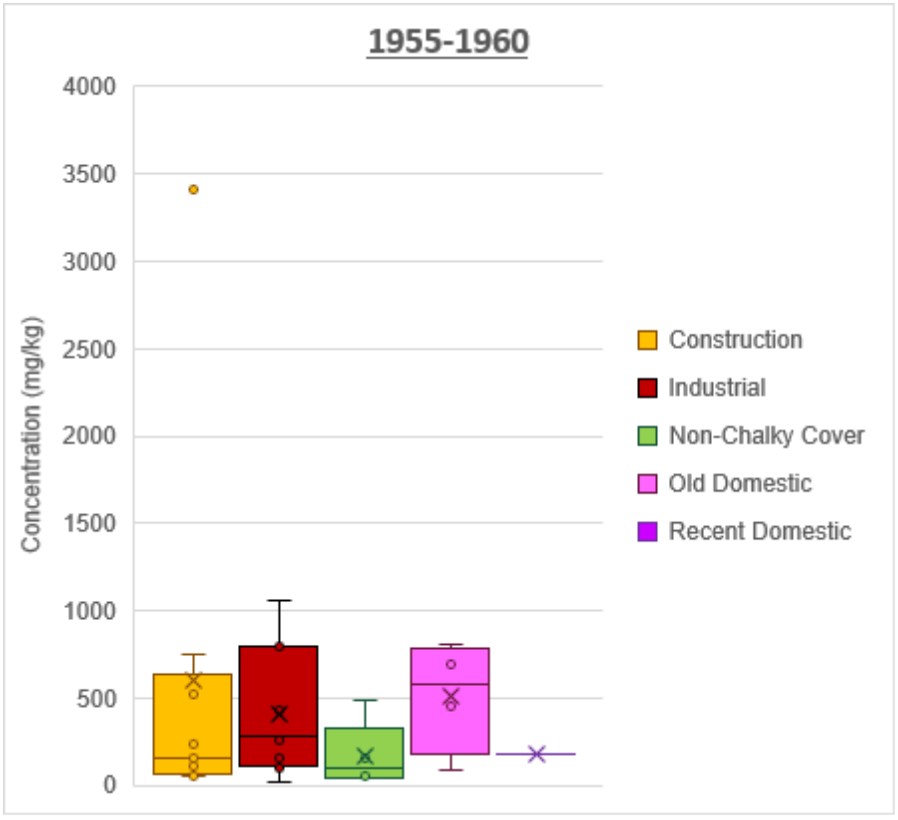

Non-Chalky Cover
Concentration (mg/kg)
1800
1600
1400
1200
1000
800
600
400
200
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

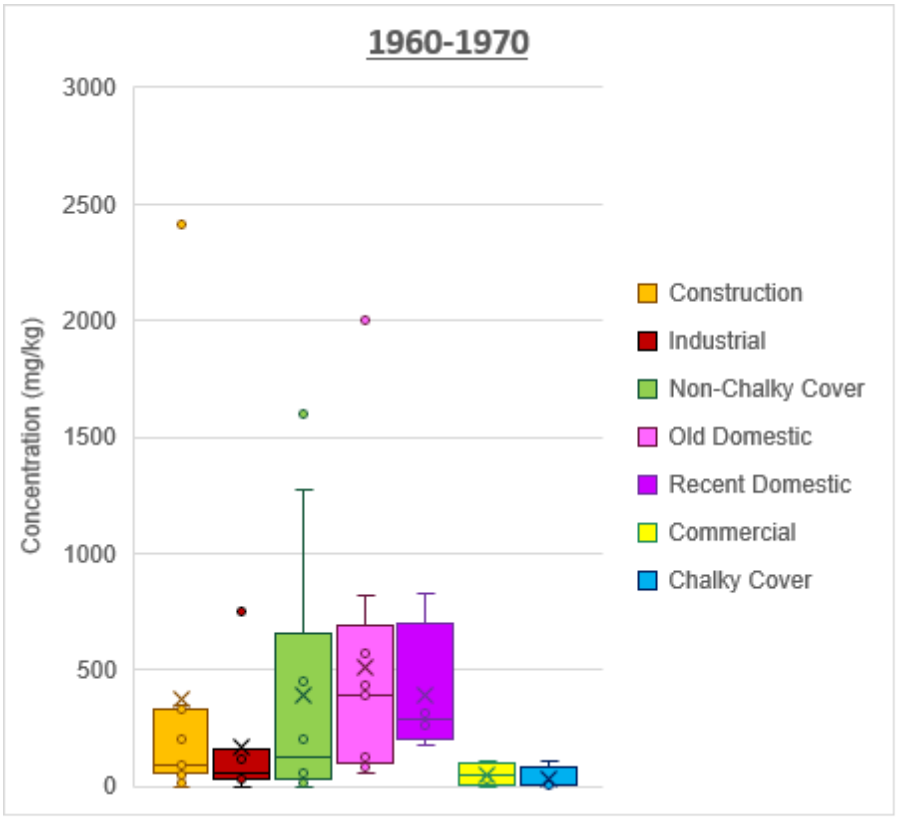


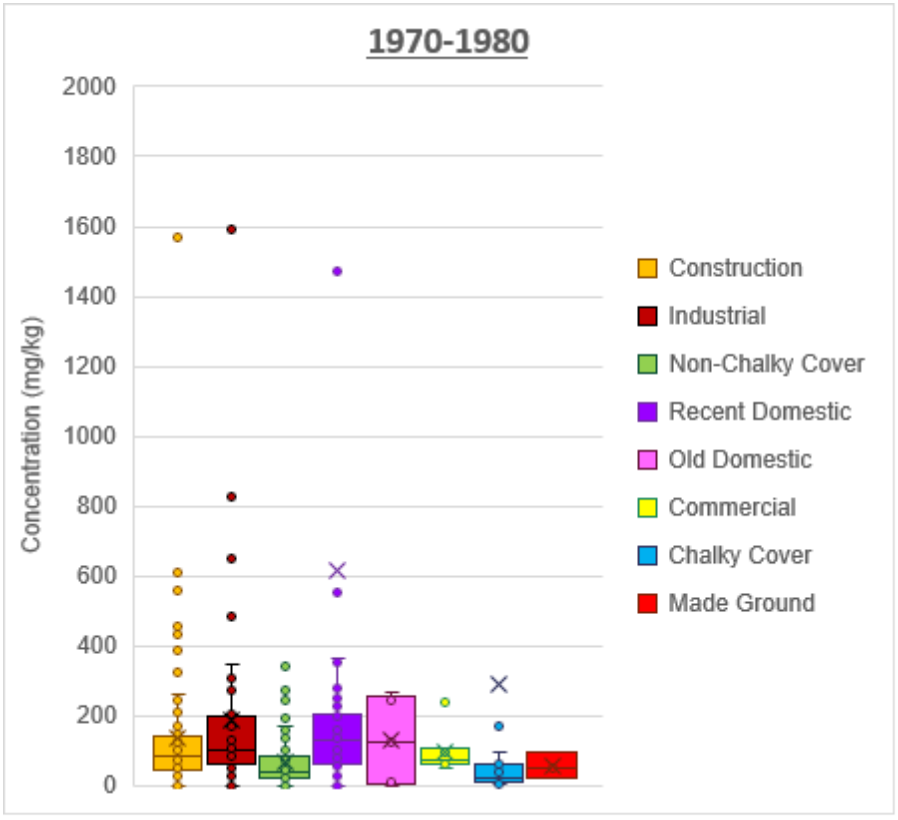
D17.4 Concentration by Era and Waste Type




1947-1955
Concentration (mg/kg)
1400
1200
1000
800
600
400
200
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Commercial

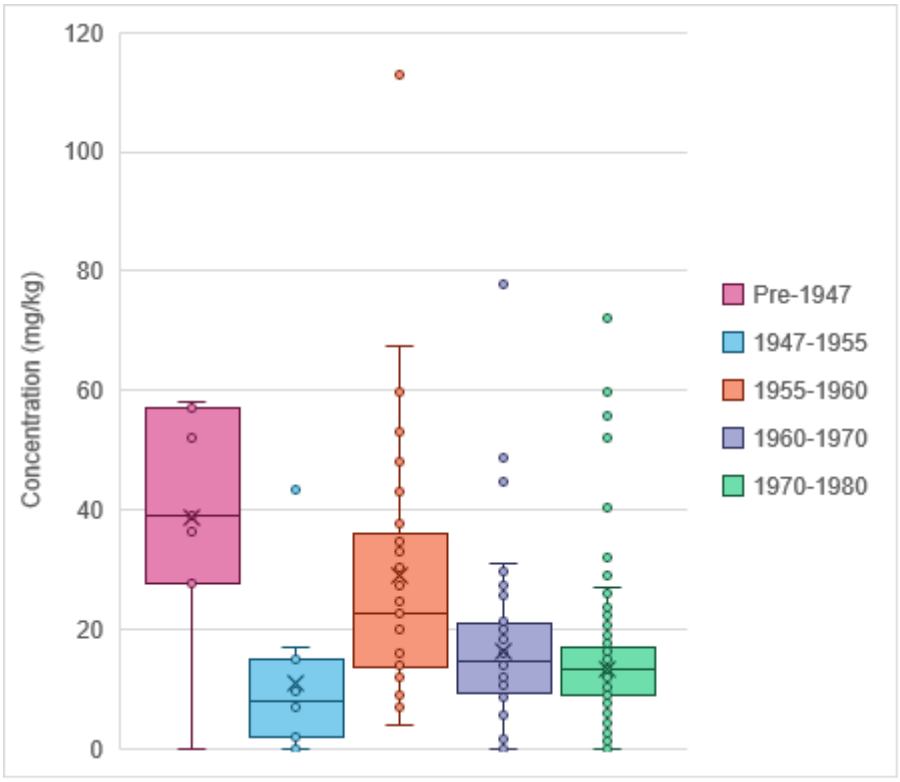

1955-1960
Concentration (mg/kg)
4000
3500
3000
2500
2000
1500
1000
500
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic


1960-1970
Concentration (mg/kg)
3000
2500
2000
1500
1000
500
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic
Commercial
Chalky Cover

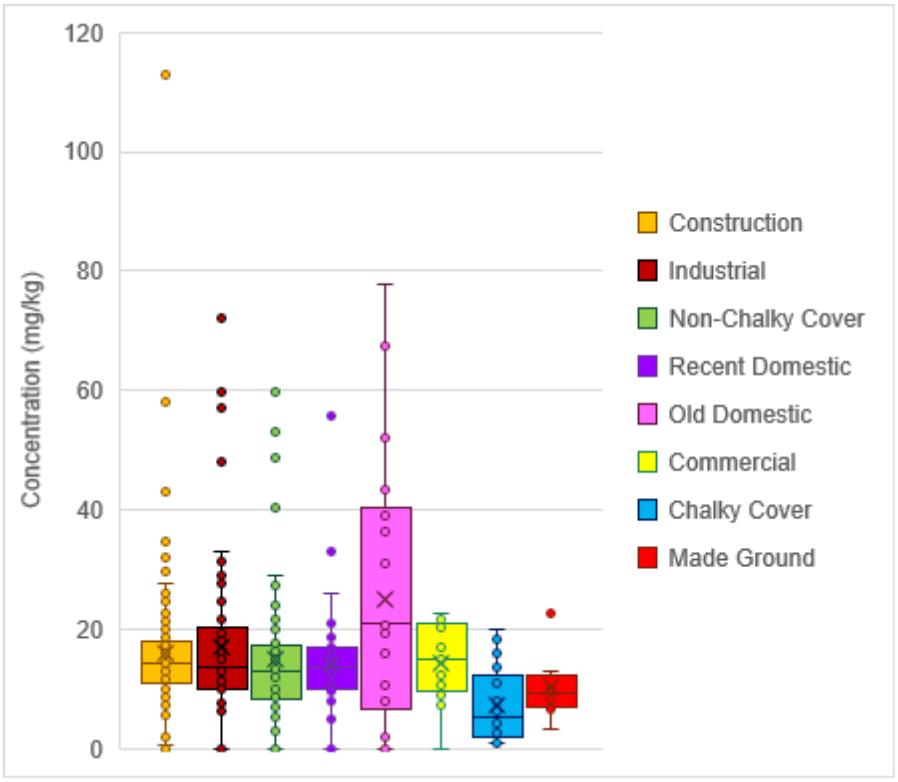

1970-1980
Concentration (mg/kg)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
Construction
Industrial
Non-Chalky Cover
Recent Domestic
Old Domestic
Commercial
Chalky Cover
Made Ground

D18 Arsenic

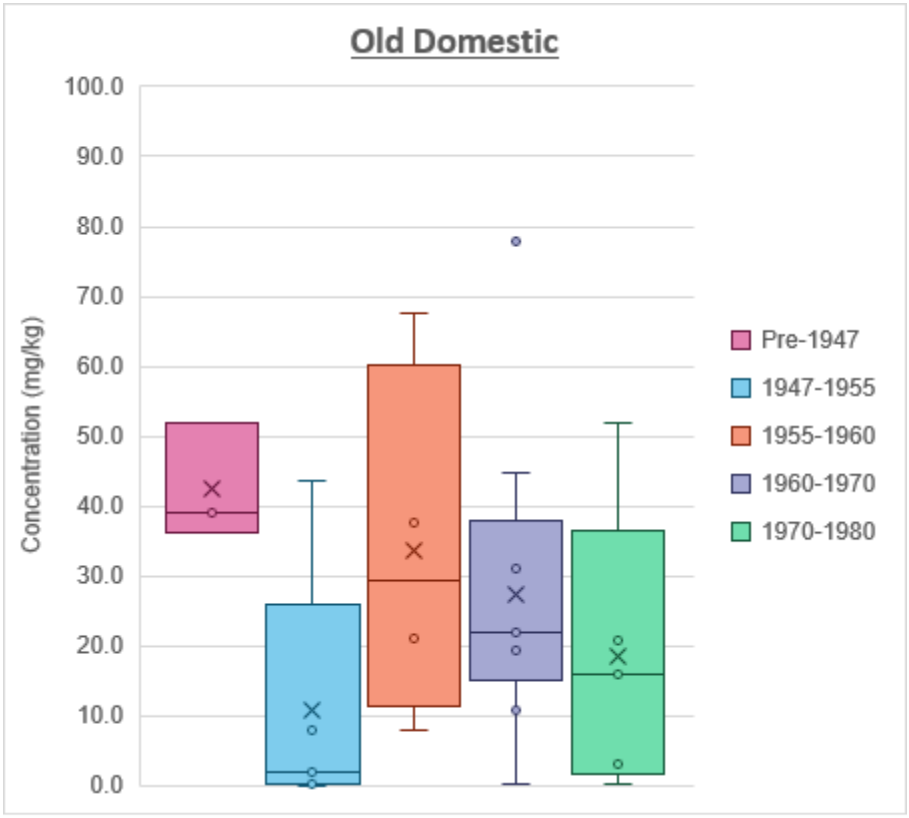
D18.1 Concentration by Era

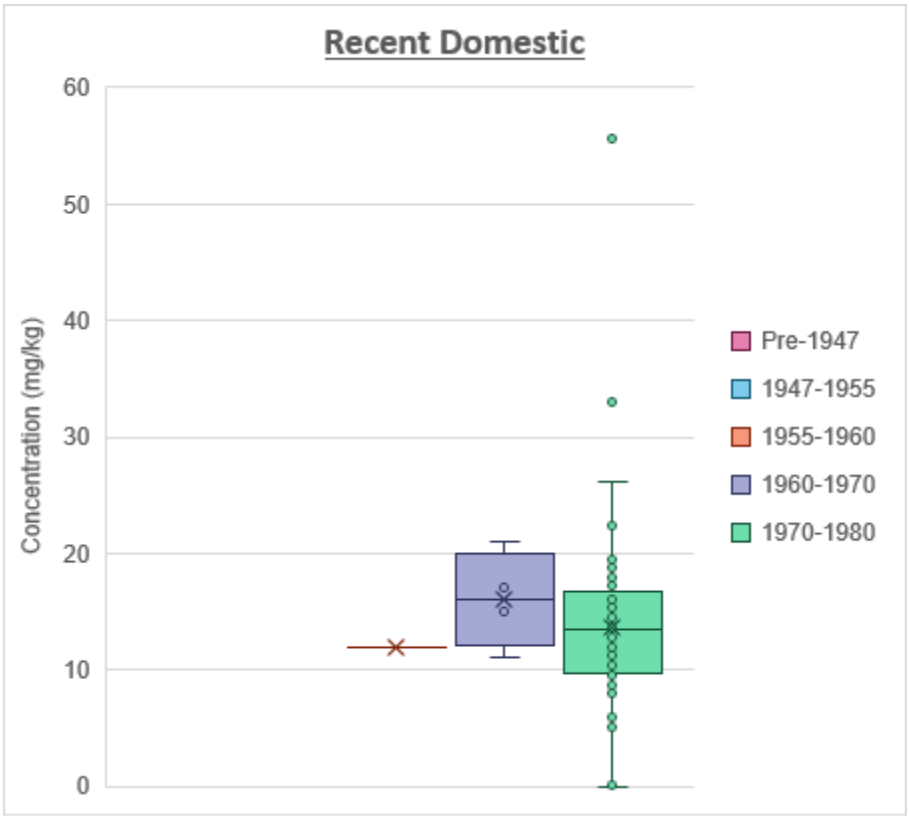


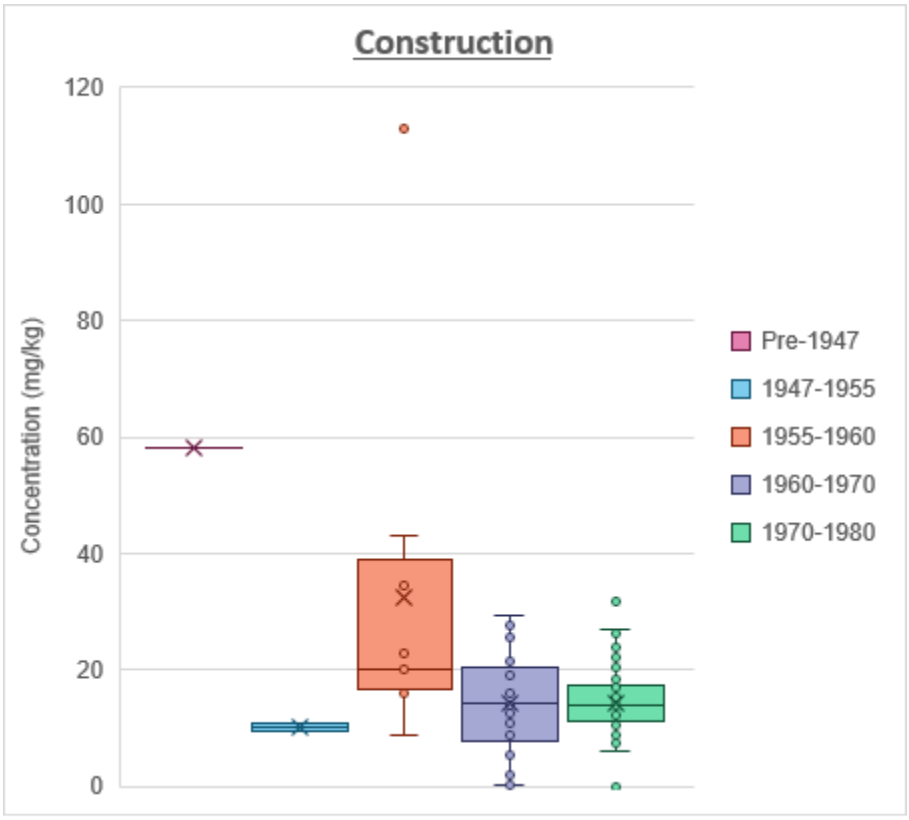
D18.2 Concentration by Waste Type

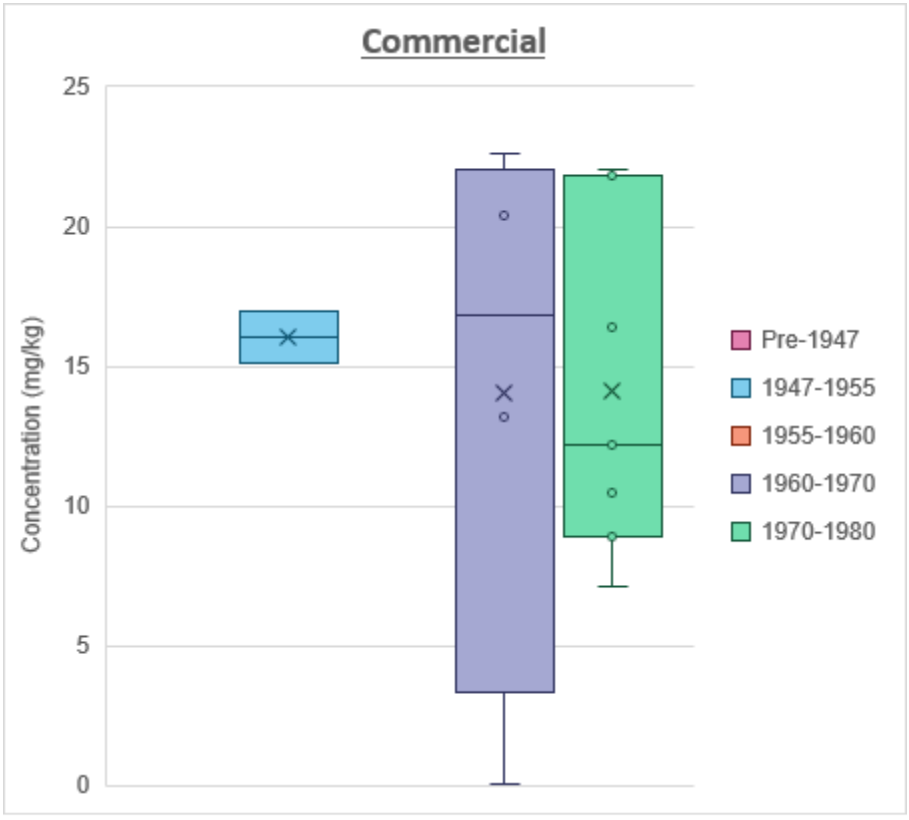


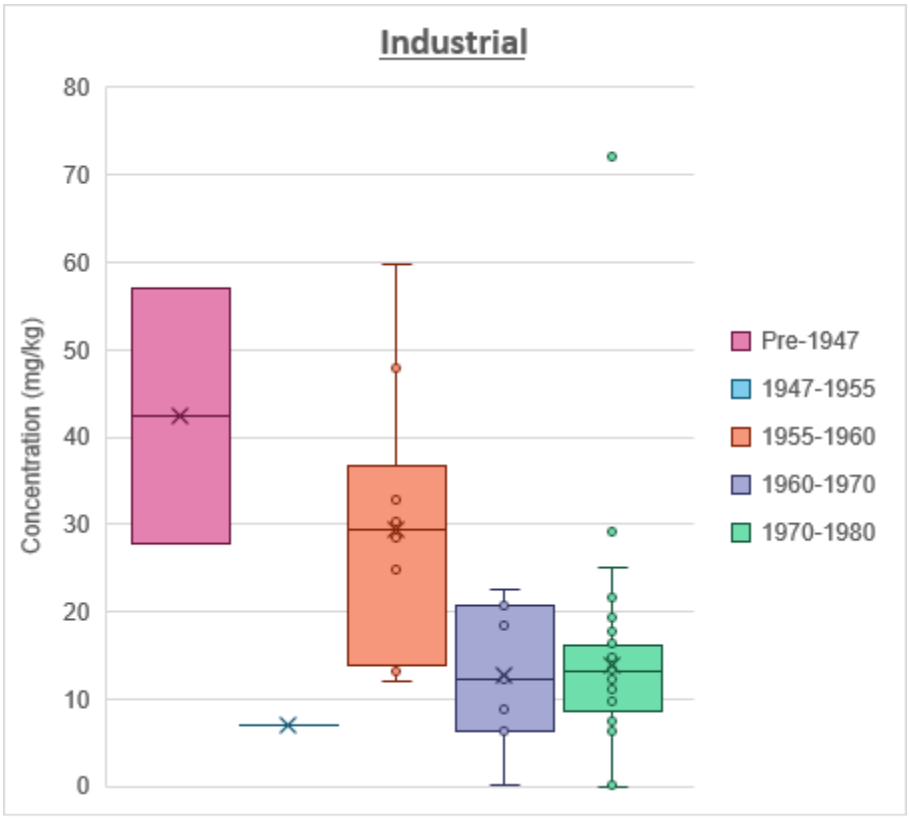
D18.3 Concentration by Waste Type and Era

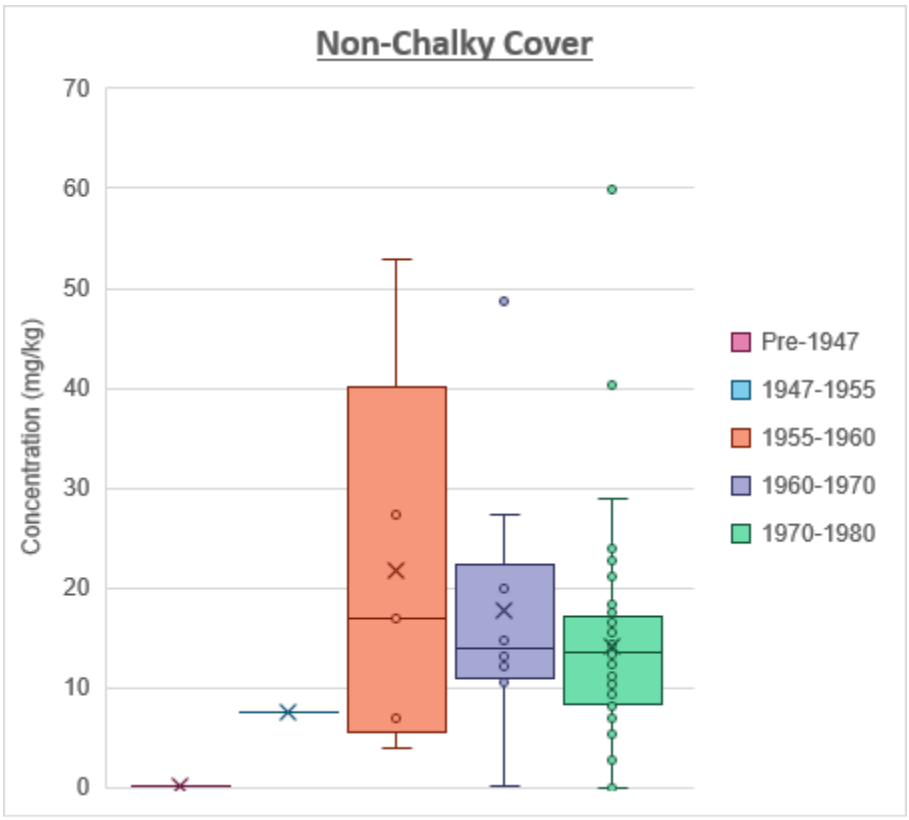


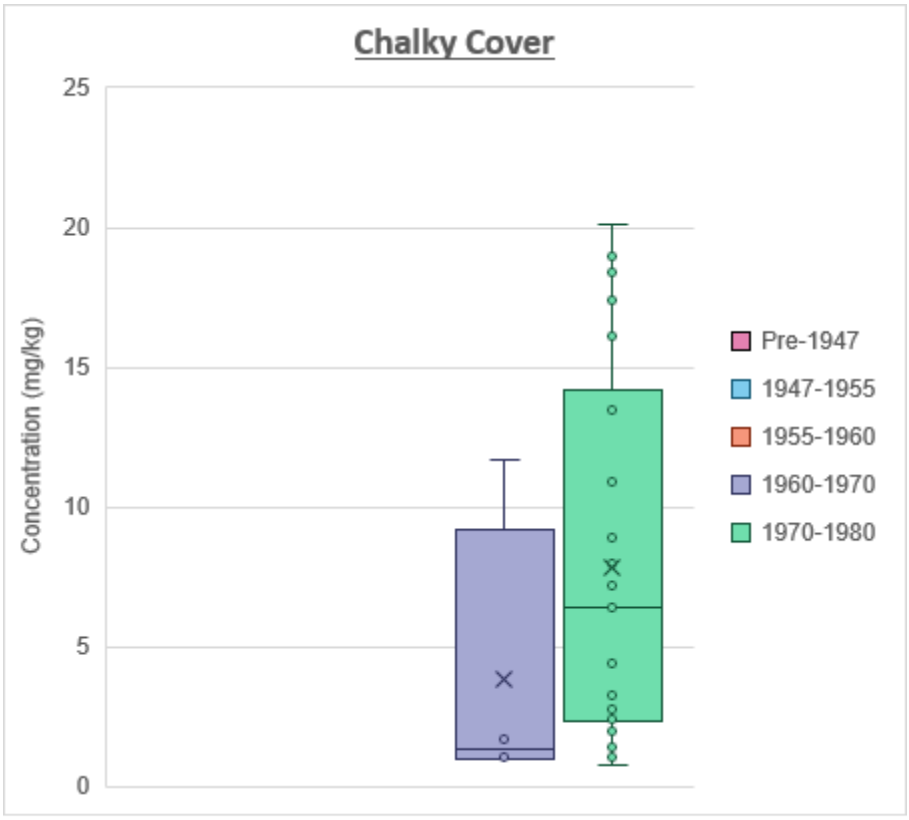



Construction
Concentration (mg/kg)
120
100
80
60
40
20
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

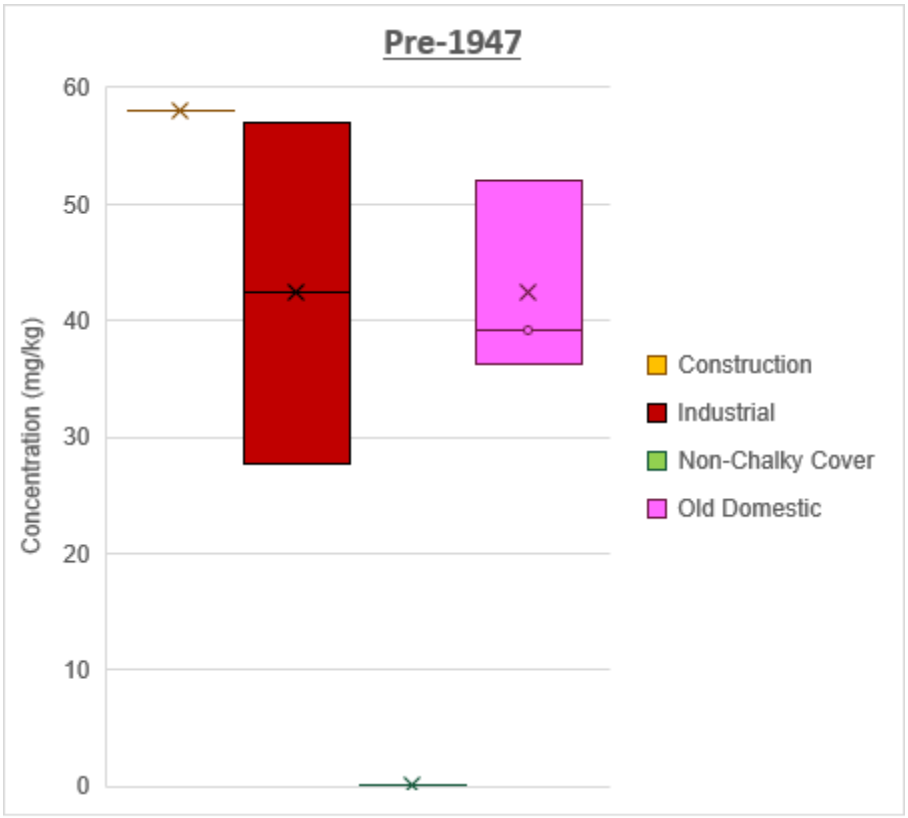

Commercial
Concentration (mg/kg)
25
20
15
10
5
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

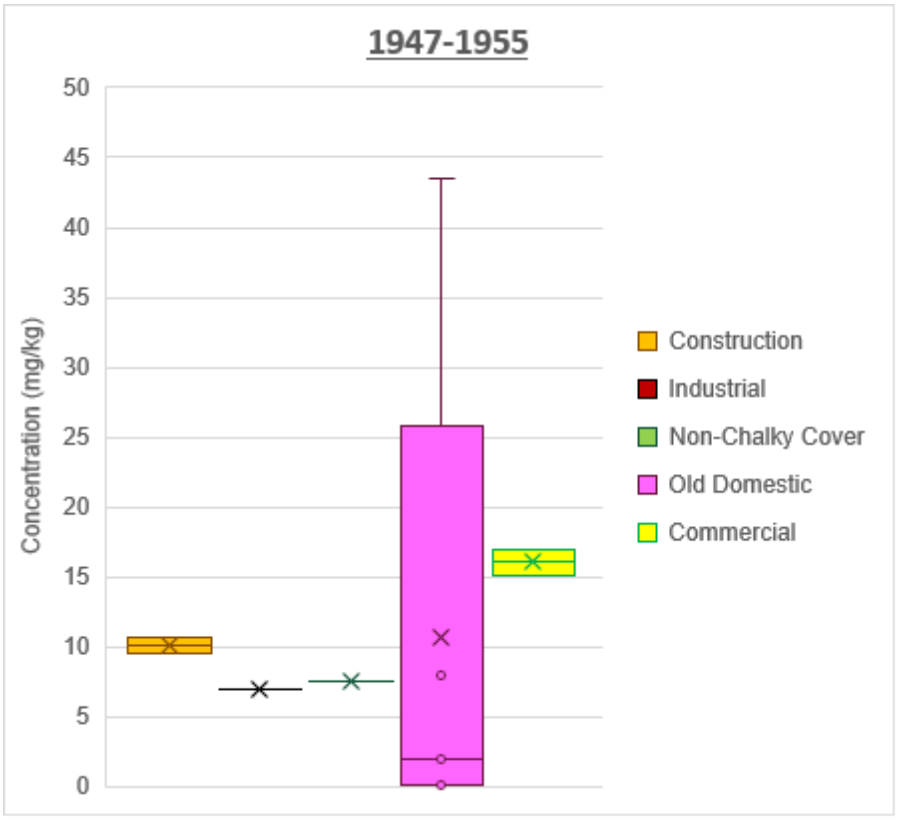

Industrial
Concentration (mg/kg)
80
70
60
50
40
30
20
10
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

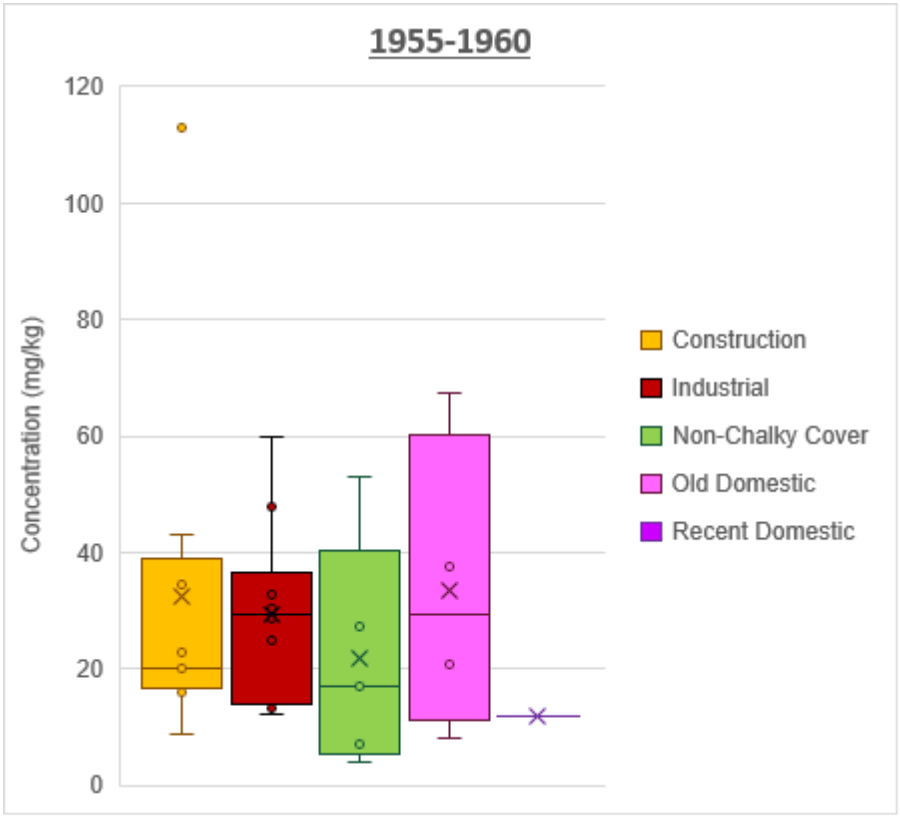

Non-Chalky Cover
Concentration (mg/kg)
70
60
50
40
30
20
10
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

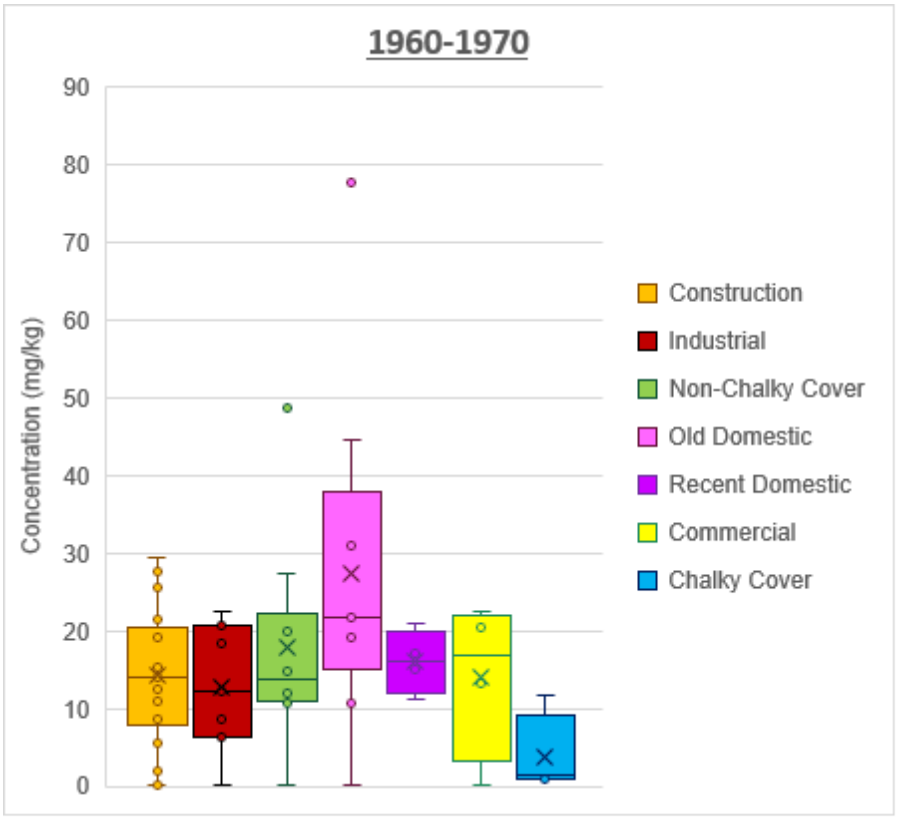


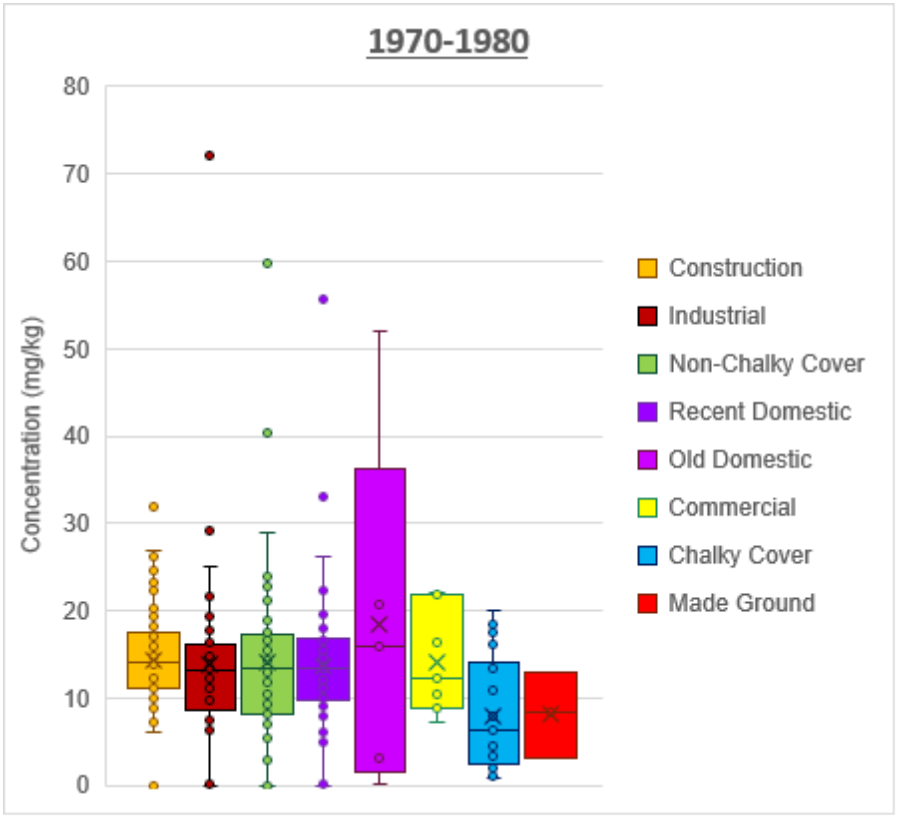
D18.4 Concentration by Era and Waste Type




1947-1955
Concentration (mg/kg)
50
45
40
35
30
25
20
15
10
5
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Commercial

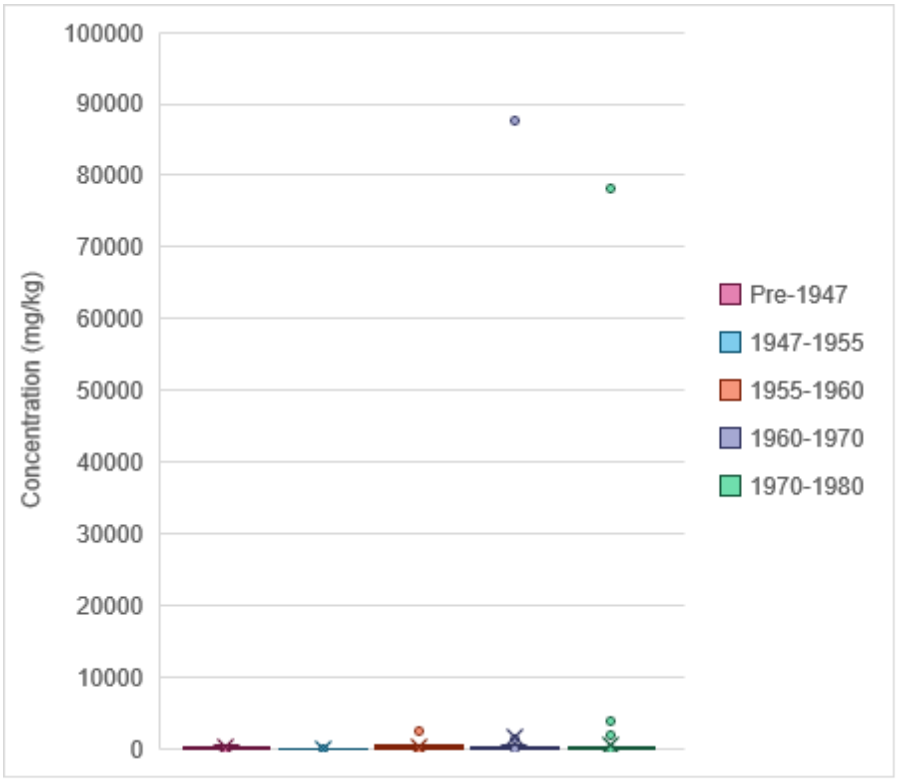

1955-1960
Concentration (mg/kg)
120
100
80
60
40
20
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic


1960-1970
Concentration (mg/kg)
0
10
20
30
40
50
60
70
80
90
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic
Commercial
Chalky Cover

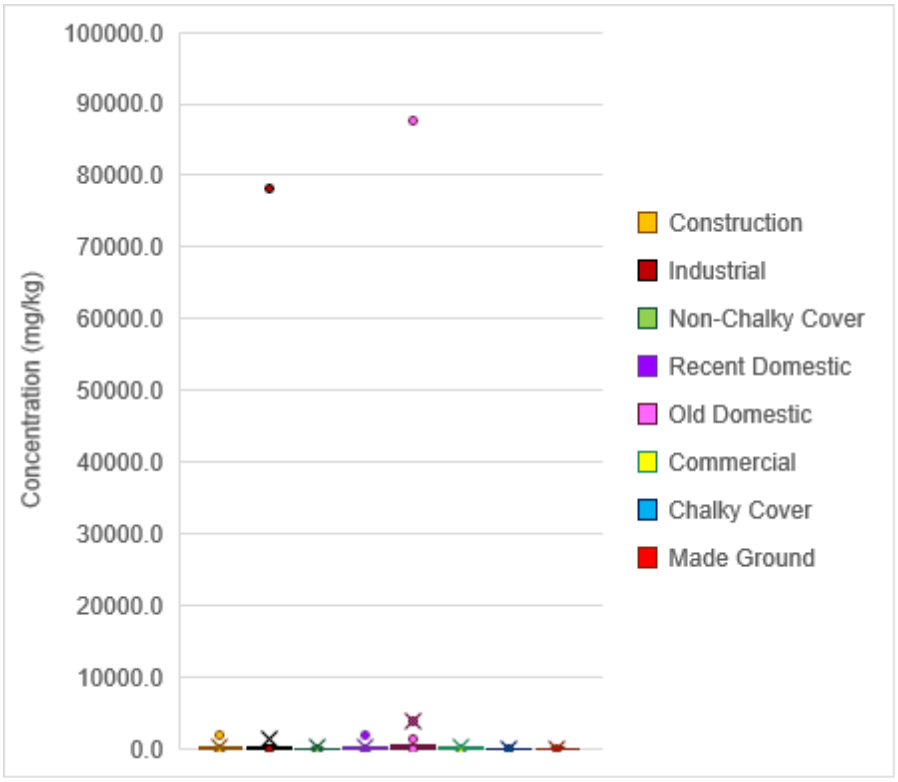

1970-1980
Concentration (mg/kg)
0
10
20
30
40
50
60
70
80
Construction
Industrial
Non-Chalky Cover
Recent Domestic
Old Domestic
Commercial
Chalky Cover
Made Ground

D19 Copper

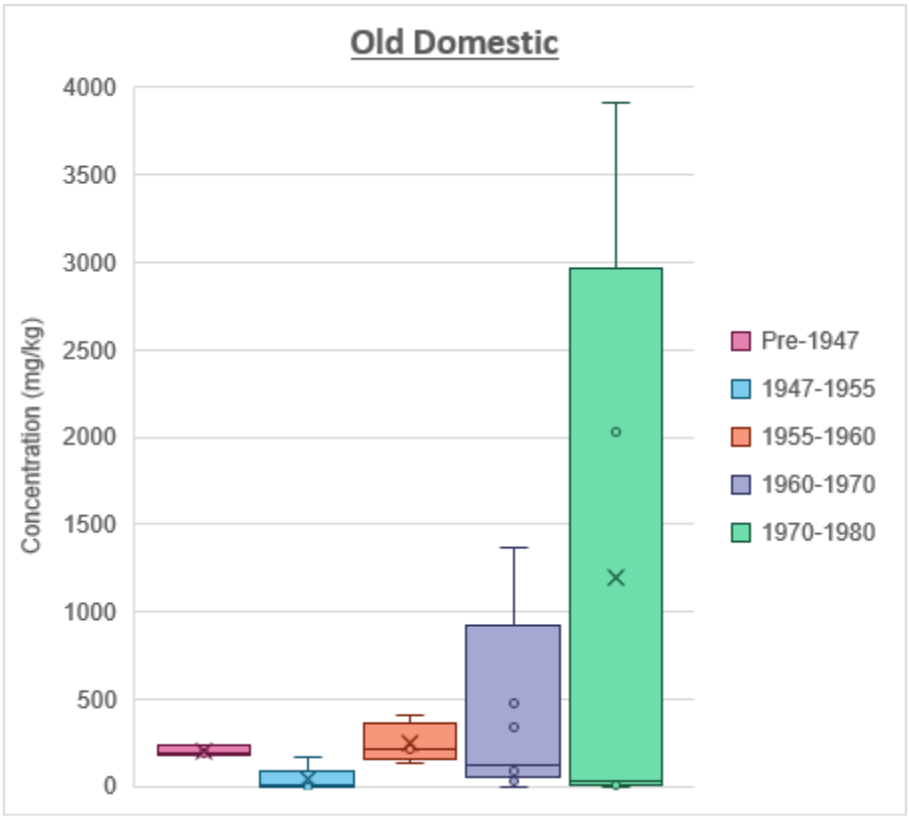
D19.1 Concentration by Era

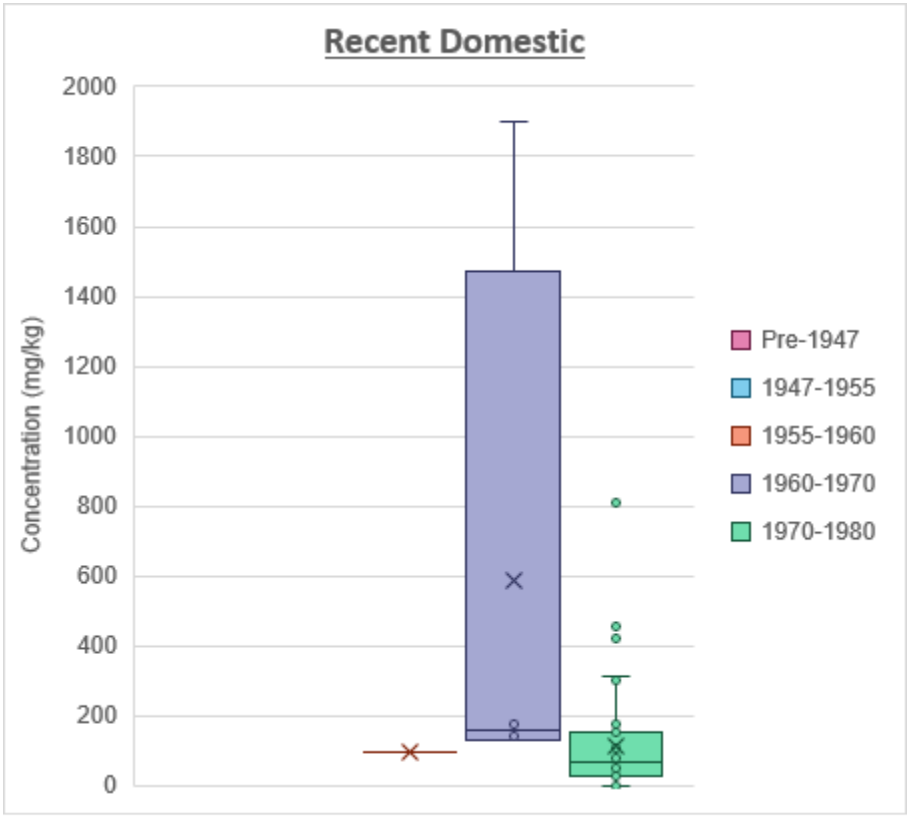


D19.2 Concentration by Waste Type

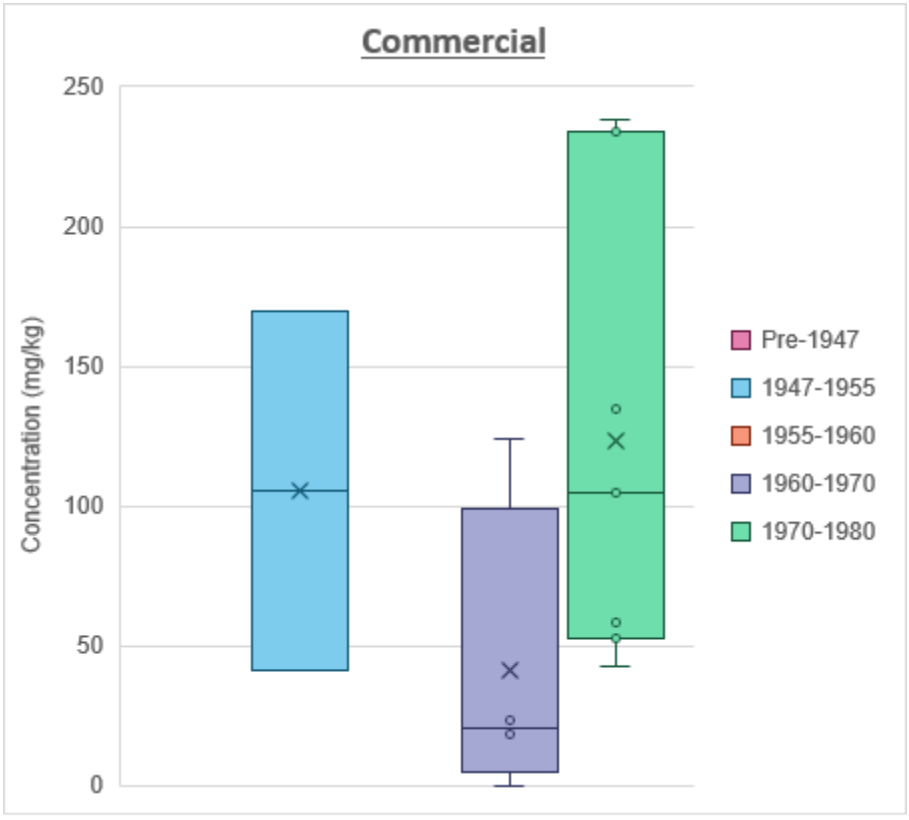


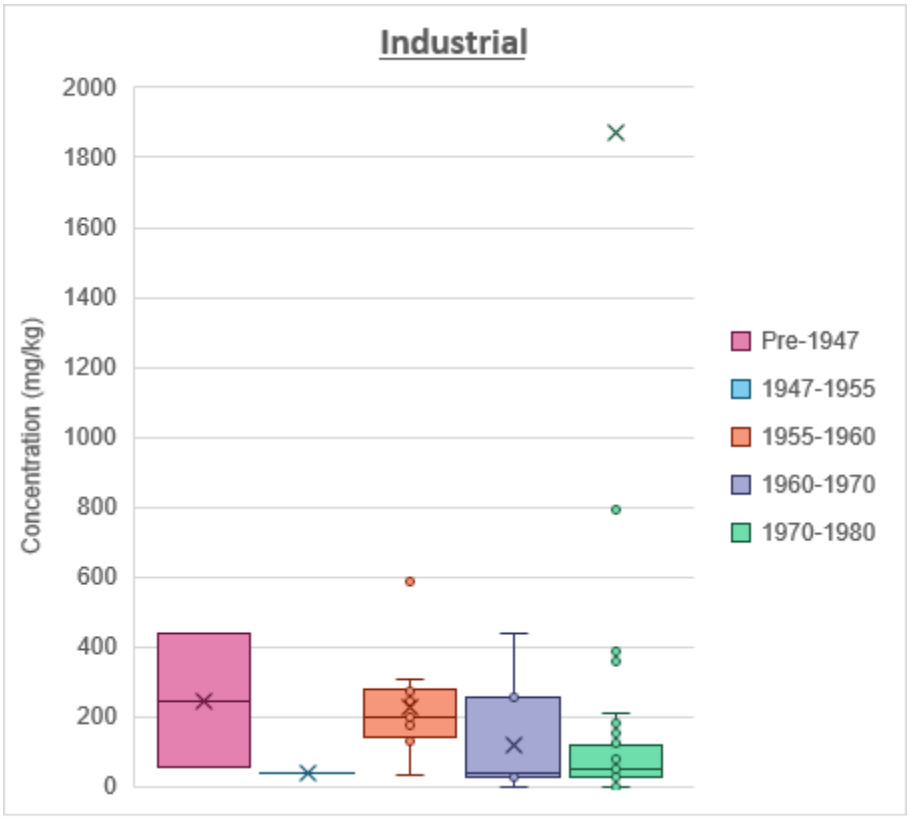
D19.3 Concentration by Waste Type and Era

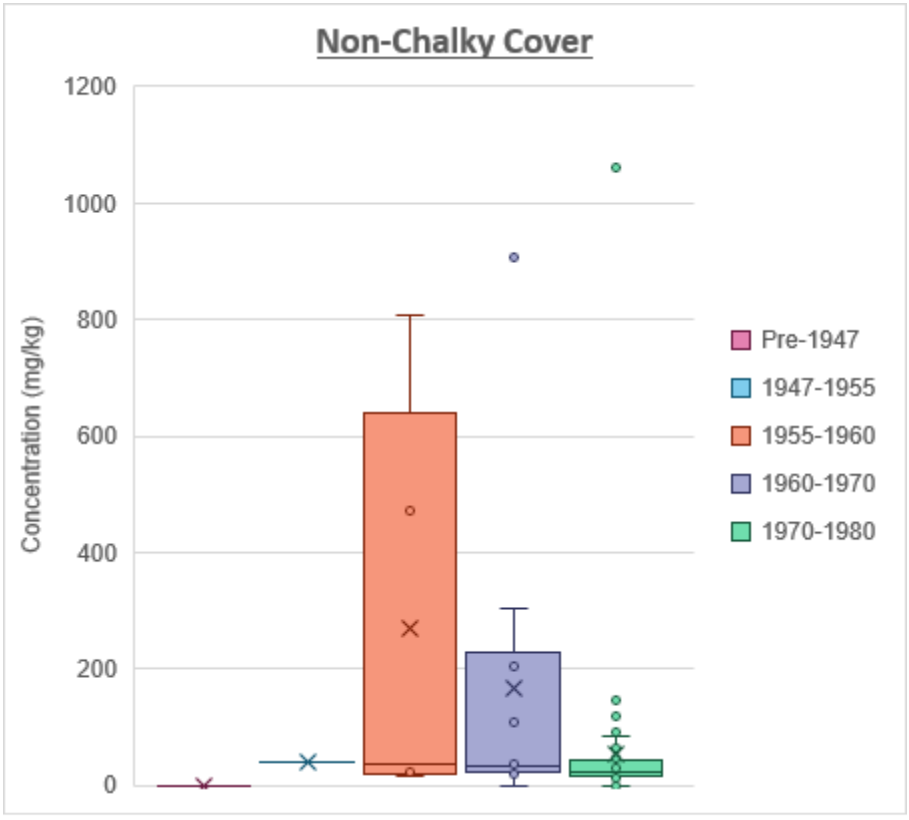


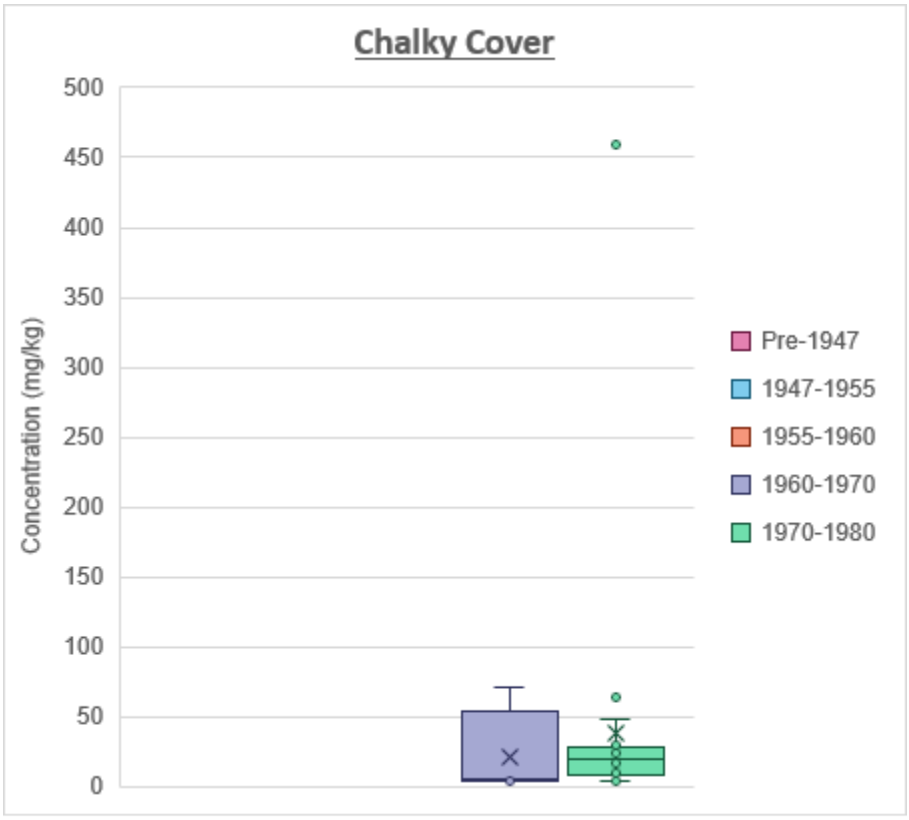


Construction
Concentration (mg/kg)
3000
2500
2000
1500
1000
500
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

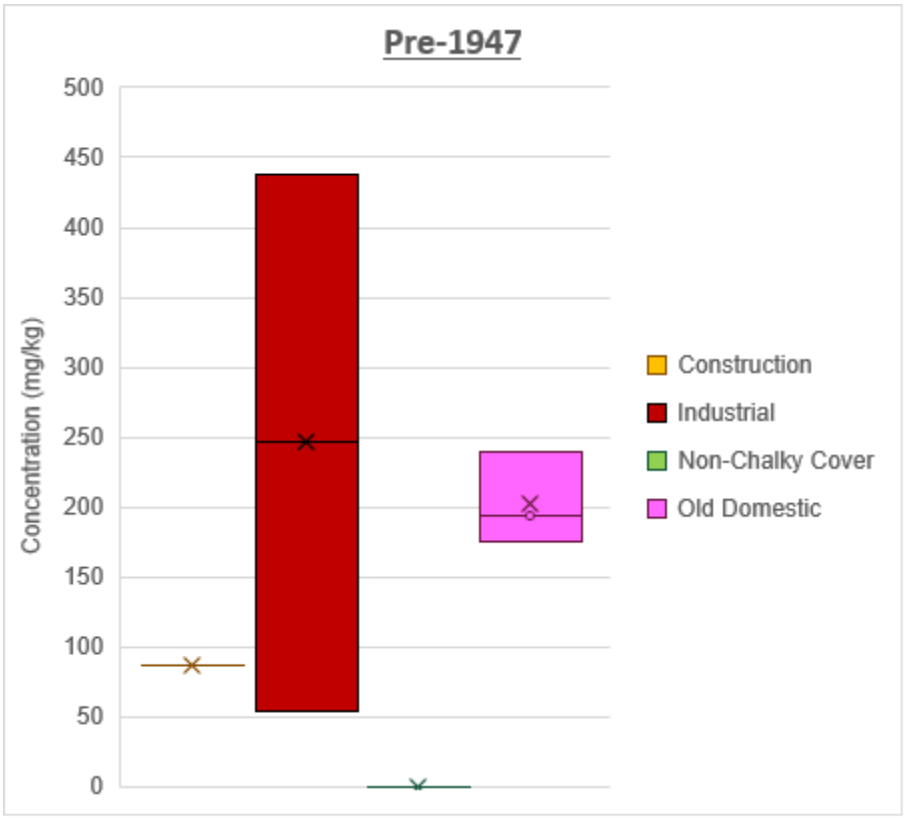

Commercial
Concentration (mg/kg)
250
200
150
100
50
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

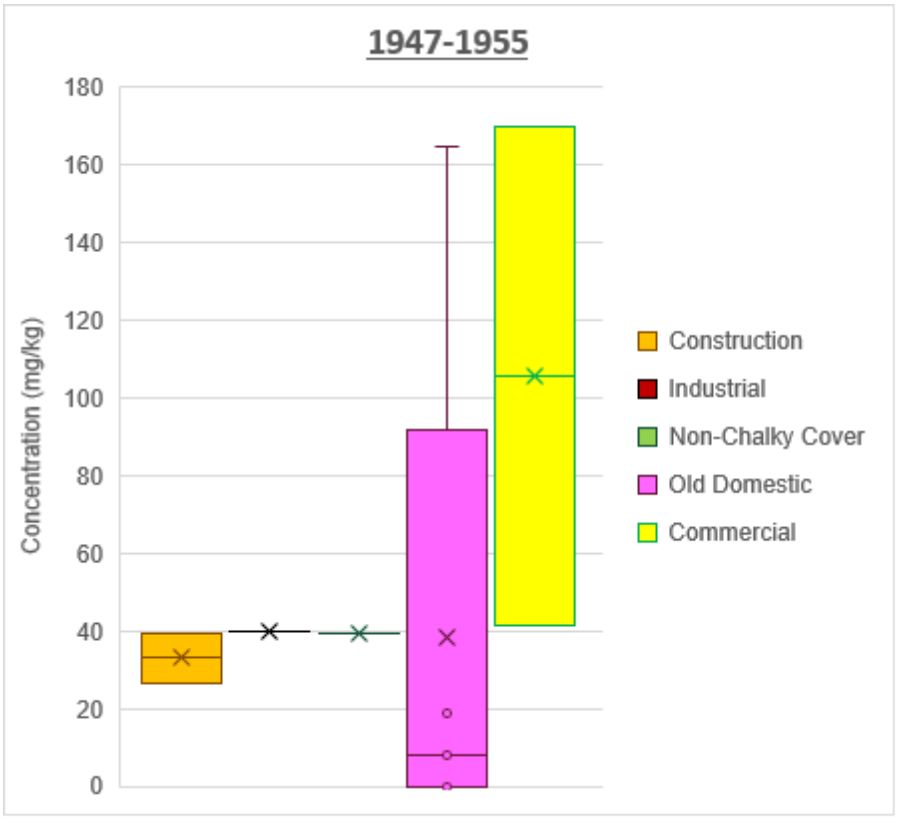

Industrial
Concentration (mg/kg)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

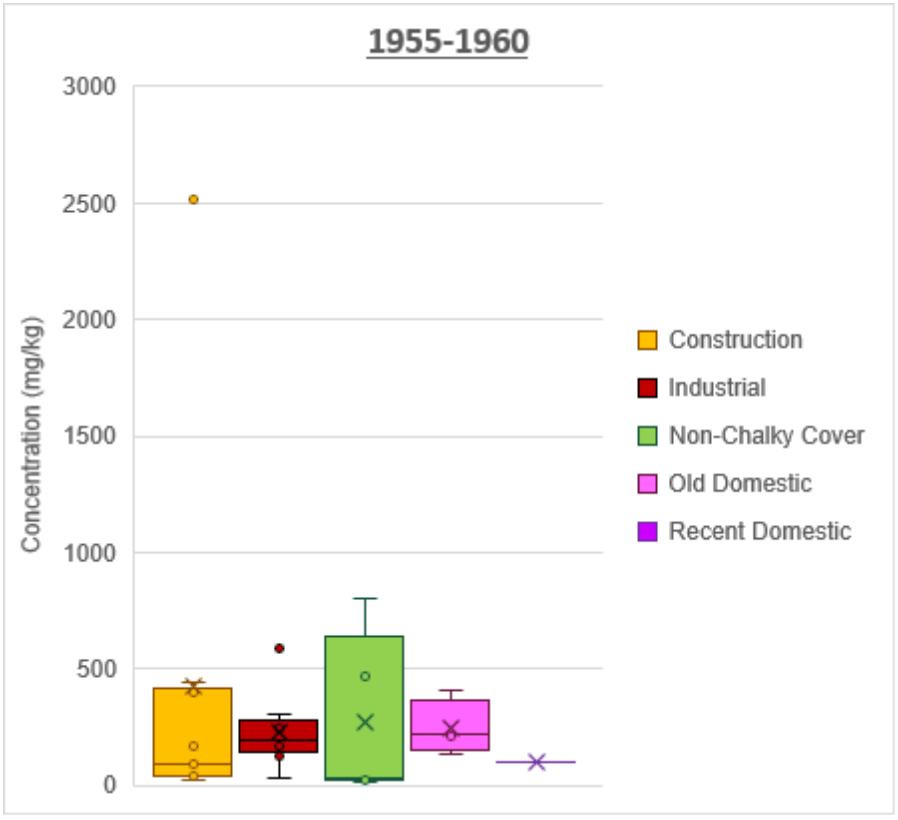

Non-Chalky Cover
Concentration (mg/kg)
1200
1000
800
600
400
200
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

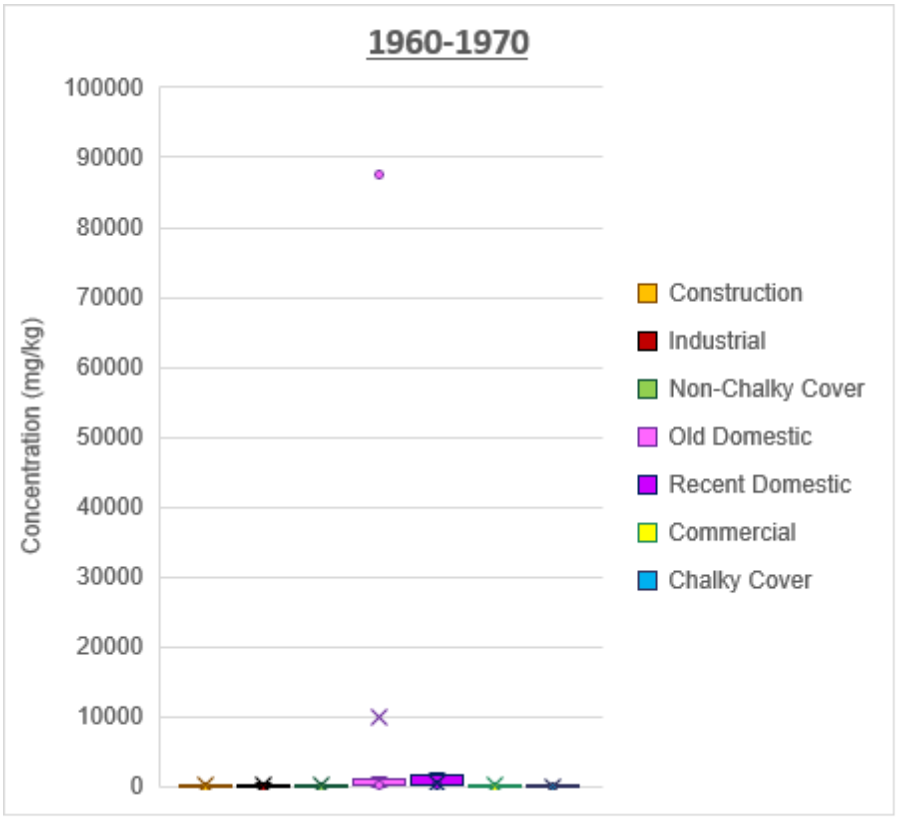


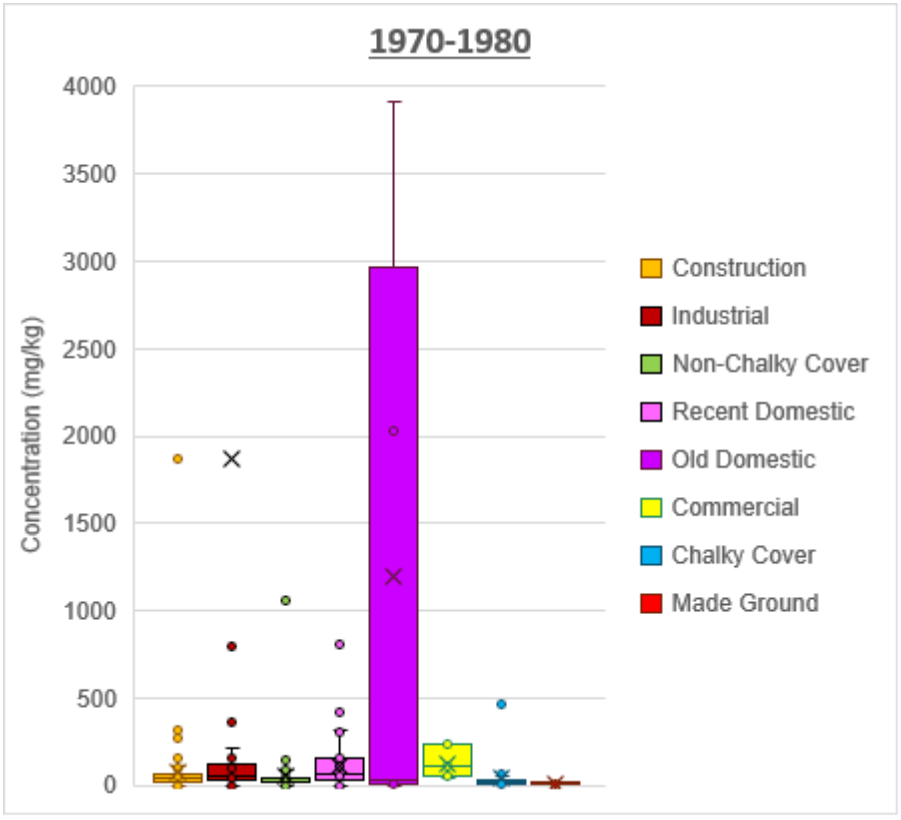
D19.4 Concentration by Era and Waste Type




1947-1955
Concentration (mg/kg)
180
160
140
120
100
80
60
40
20
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Commercial

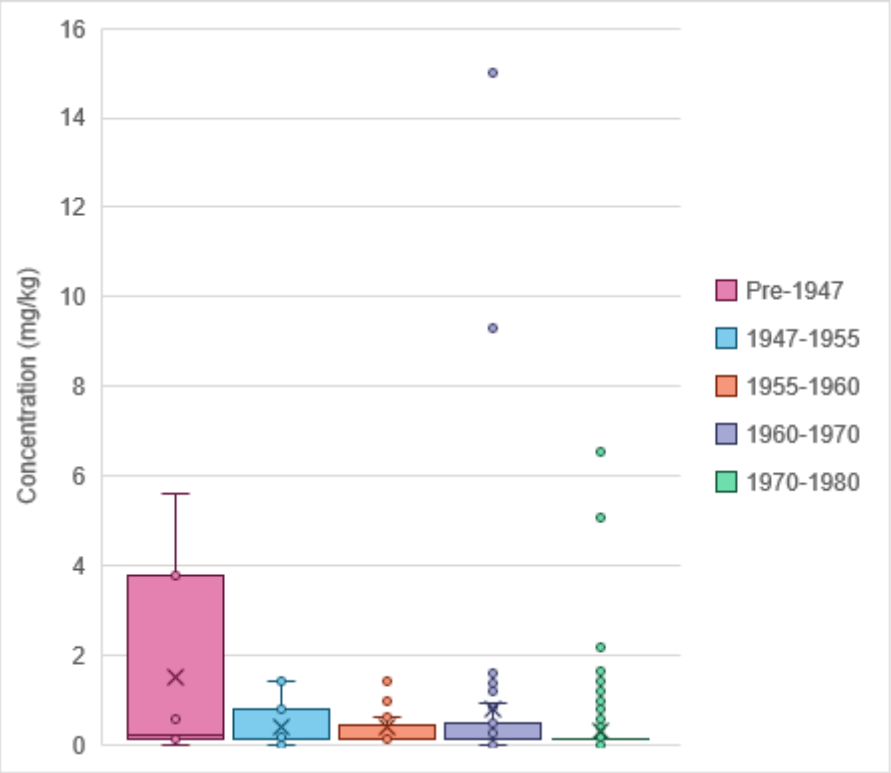

1955-1960
Concentration (mg/kg)
3000
2500
2000
1500
1000
500
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic


1960-1970
Concentration (mg/kg)
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic
Commercial
Chalky Cover

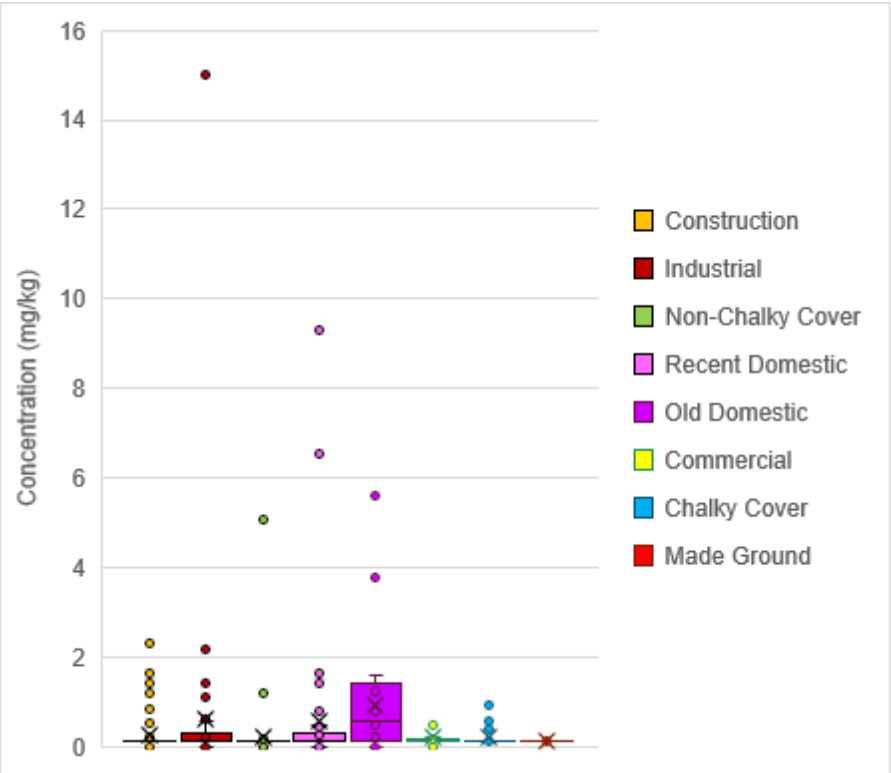

1970-1980
Concentration (mg/kg)
4000
3500
3000
2500
2000
1500
1000
500
0
Construction
Industrial
Non-Chalky Cover
Recent Domestic
Old Domestic
Commercial
Chalky Cover
Made Ground

D20 Mercury

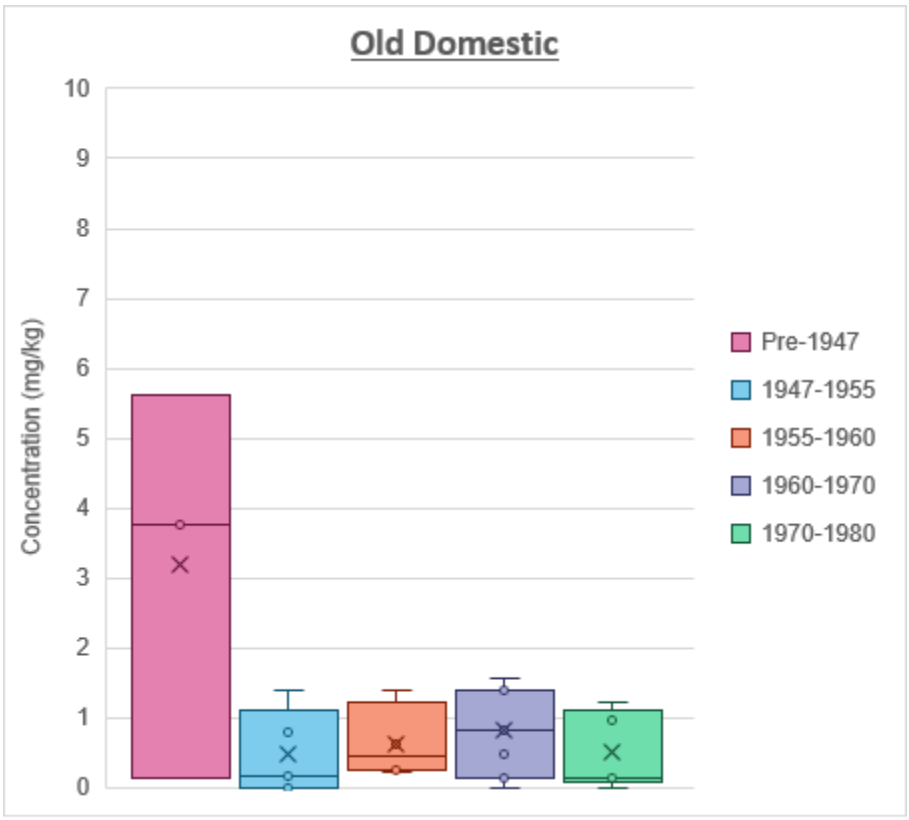
D20.1 Concentration by Era

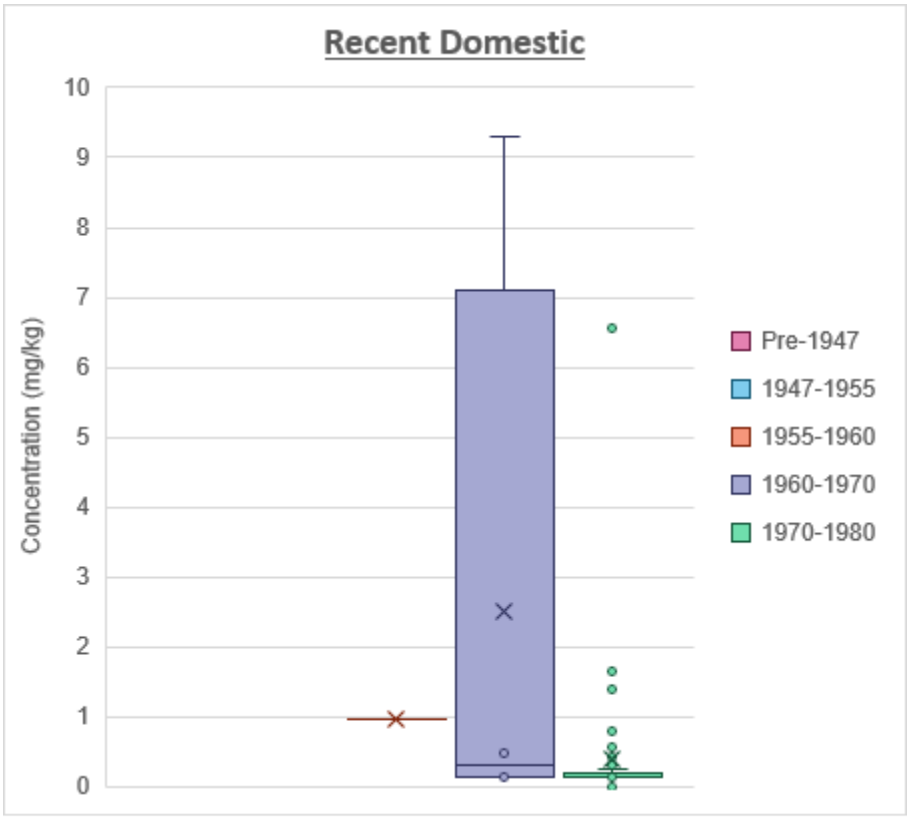


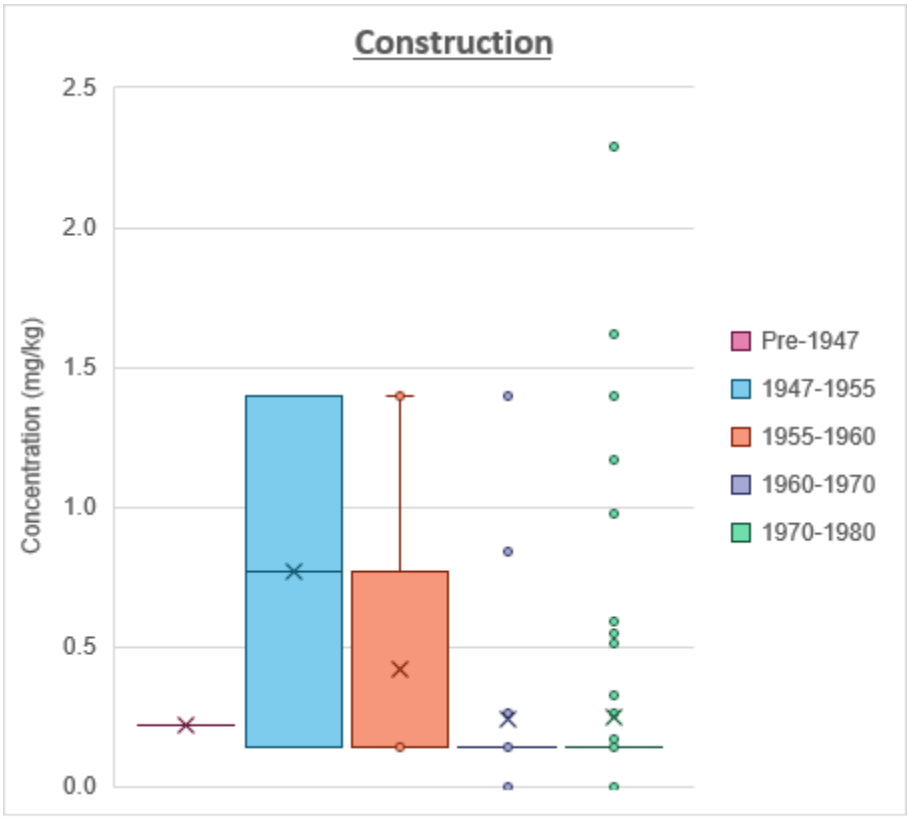
D20.2 Concentration by Waste Type

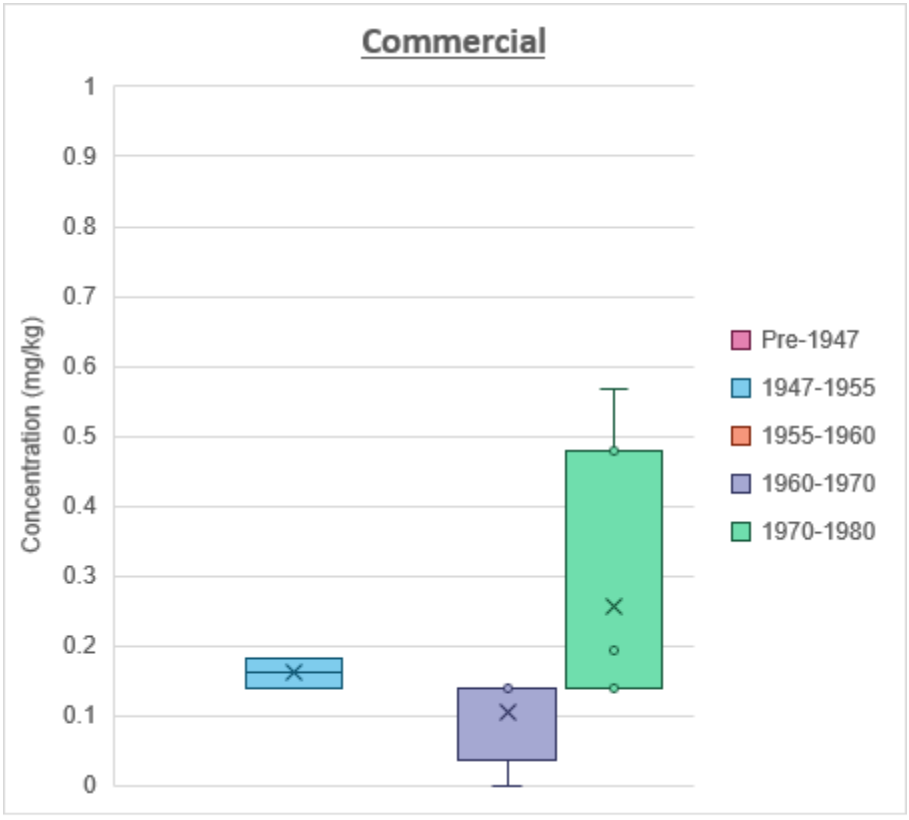


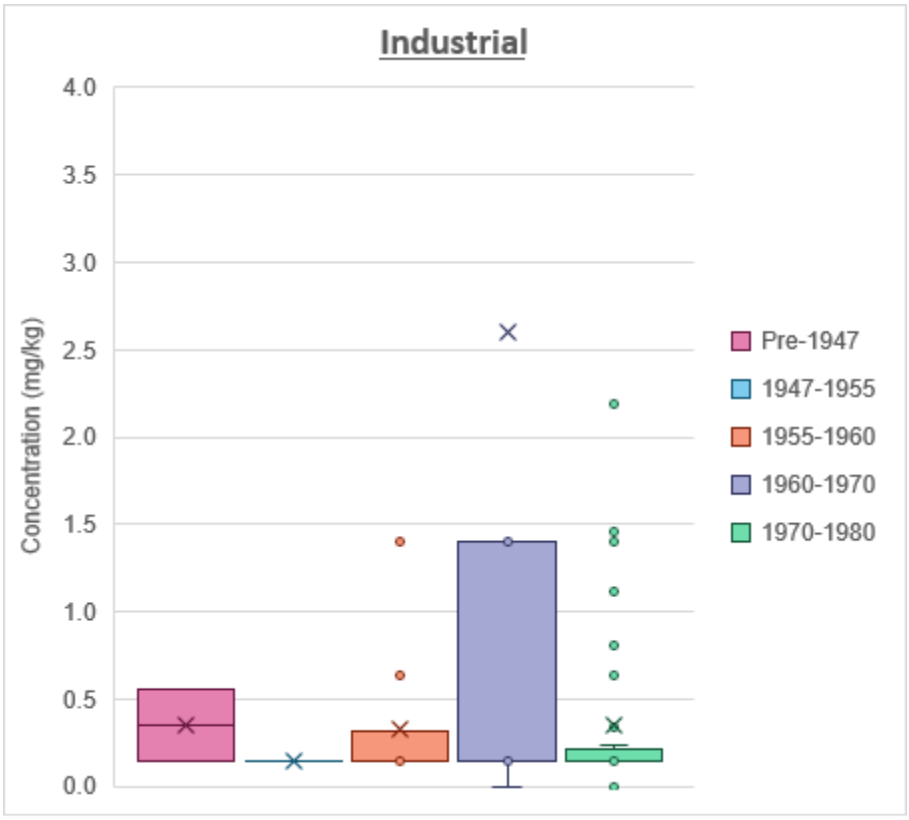
D20.3 Concentration by Waste Type and Era

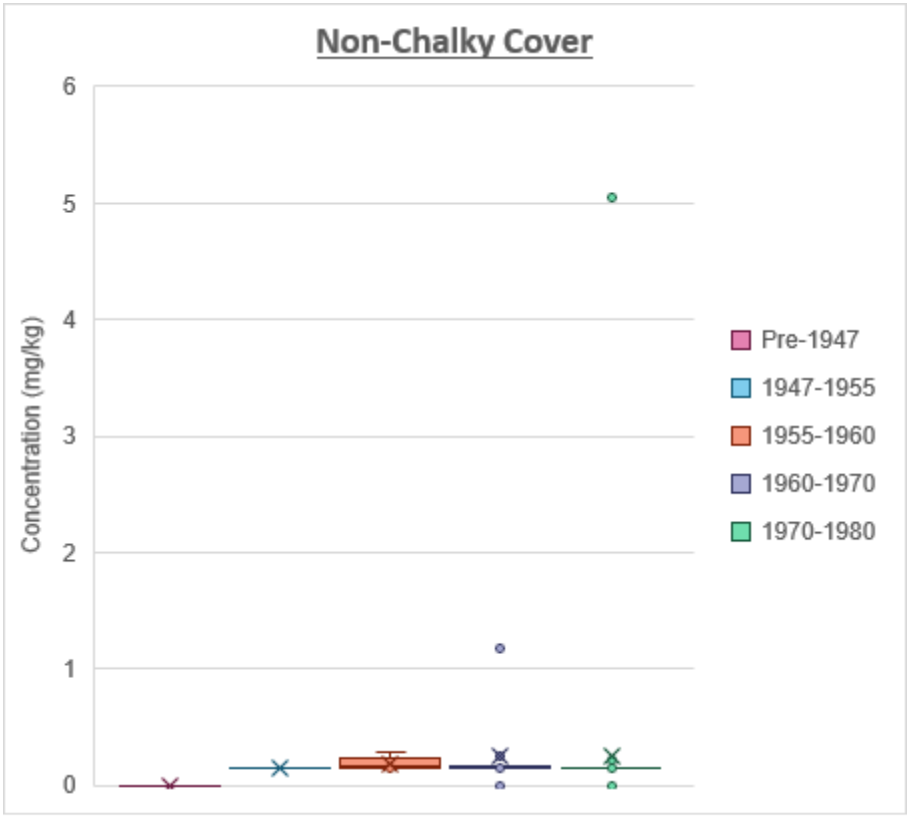


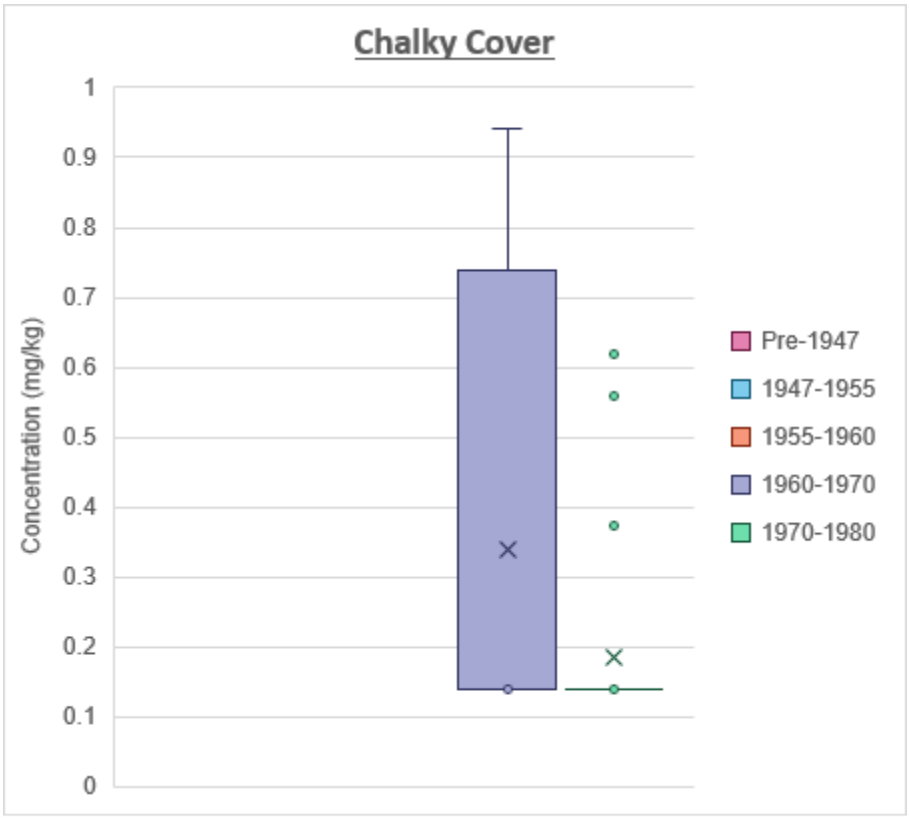



Construction
Concentration (mg/kg)
2.5
2.0
1.5
1.0
0.5
0.0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

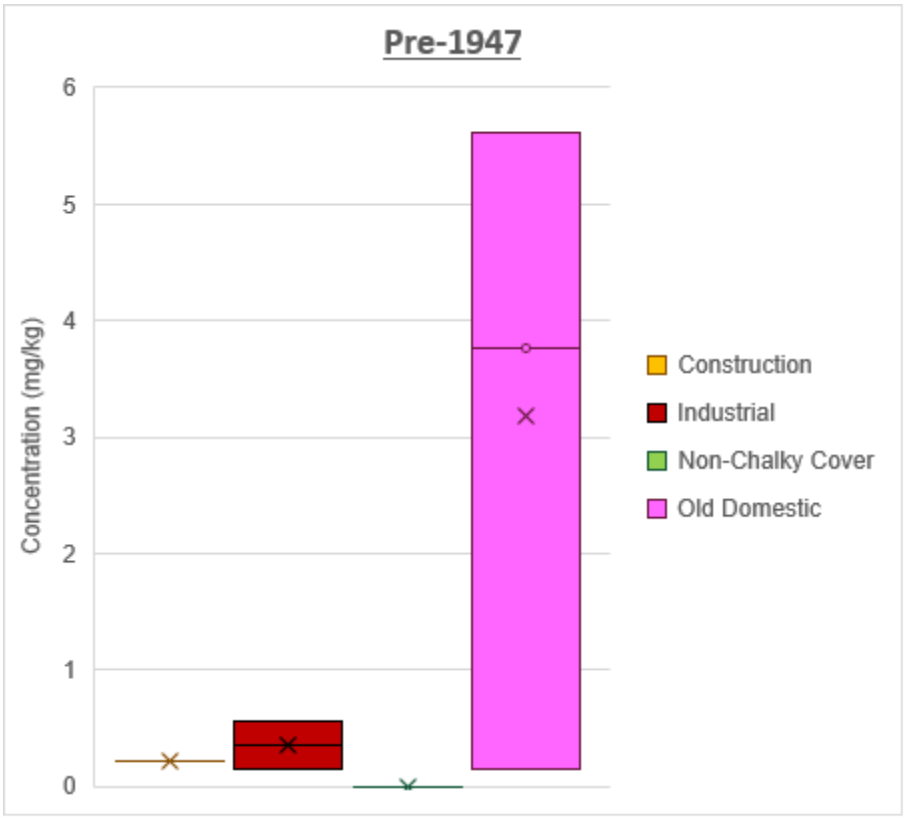

Commercial
Concentration (mg/kg)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

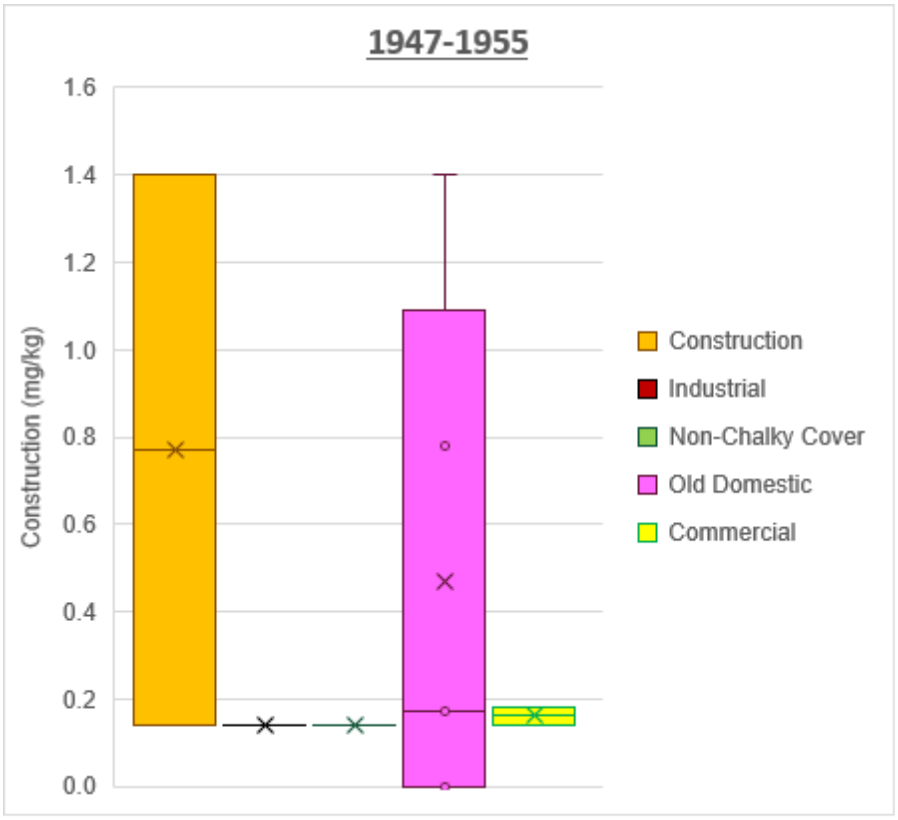

Industrial
Concentration (mg/kg)
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

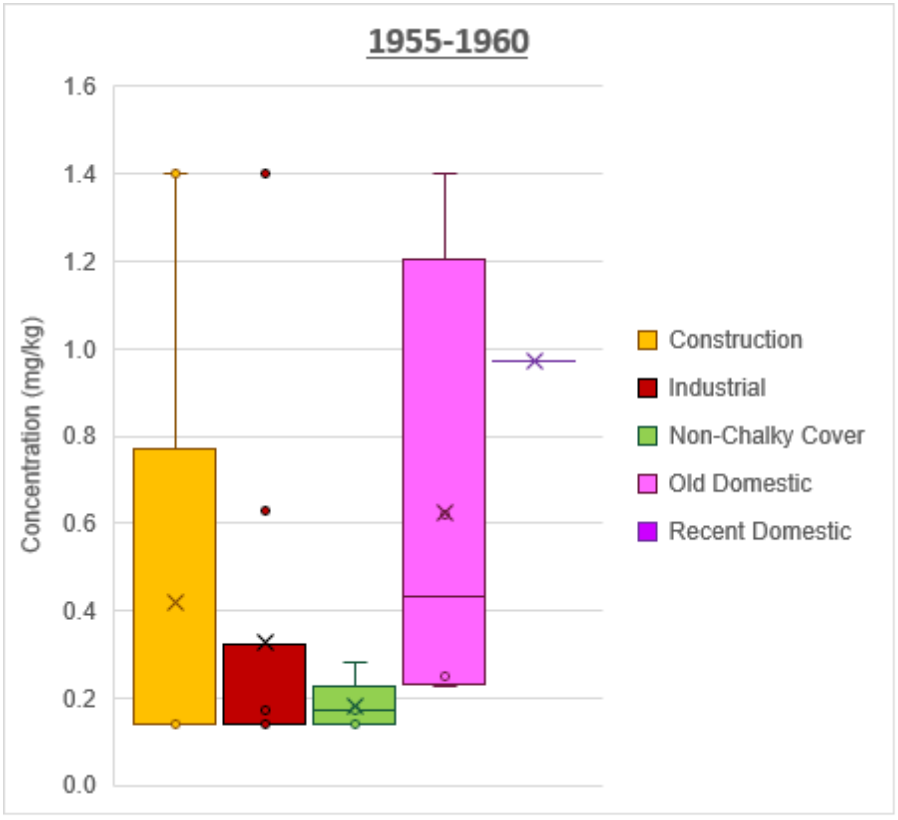

Non-Chalky Cover
Concentration (mg/kg)
6
5
4
3
2
1
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

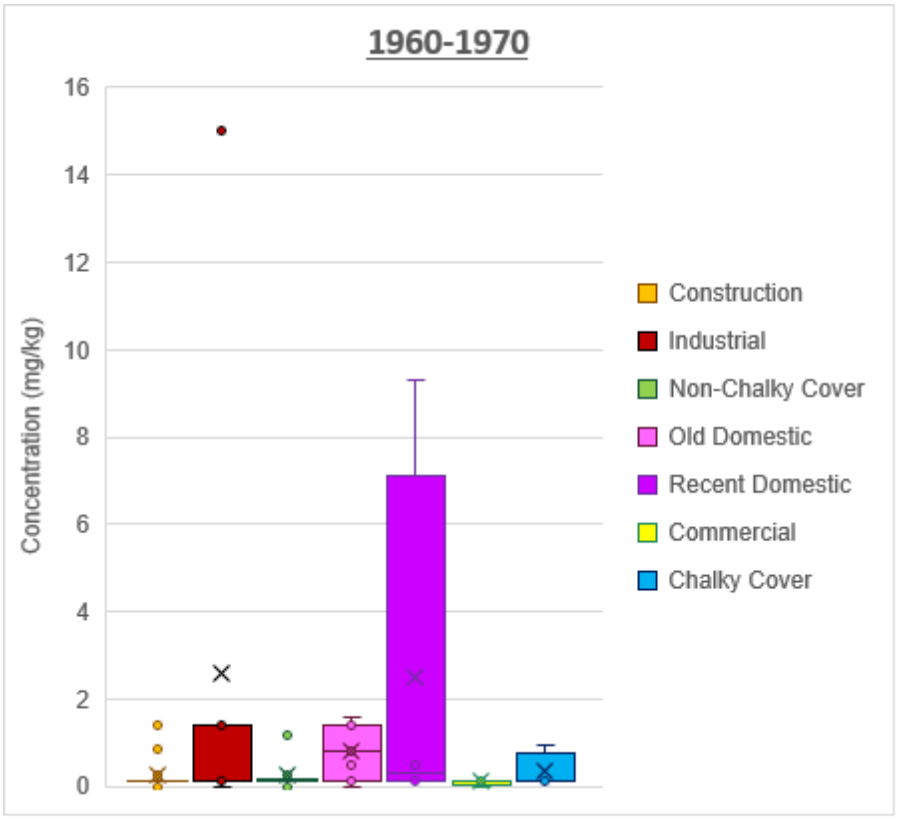


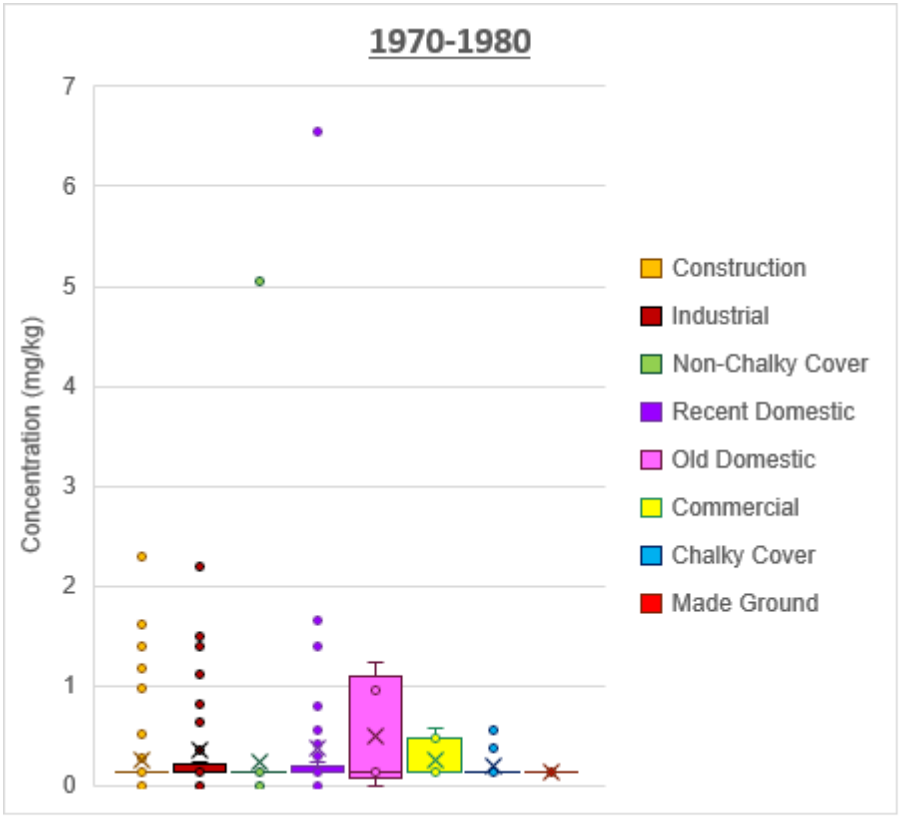
D20.4 Concentration by Era and Waste Type




1947-1955
Construction (mg/kg)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Commercial

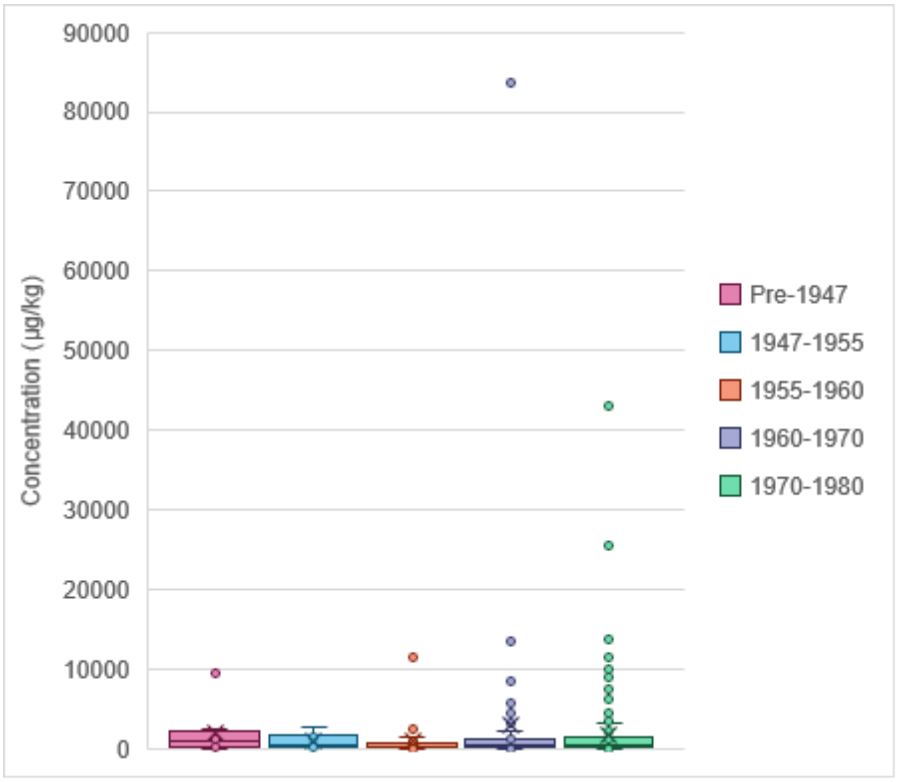

1955-1960
Concentration (mg/kg)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic


1960-1970
Concentration (mg/kg)
16
14
12
10
8
6
4
2
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic
Commercial
Chalky Cover

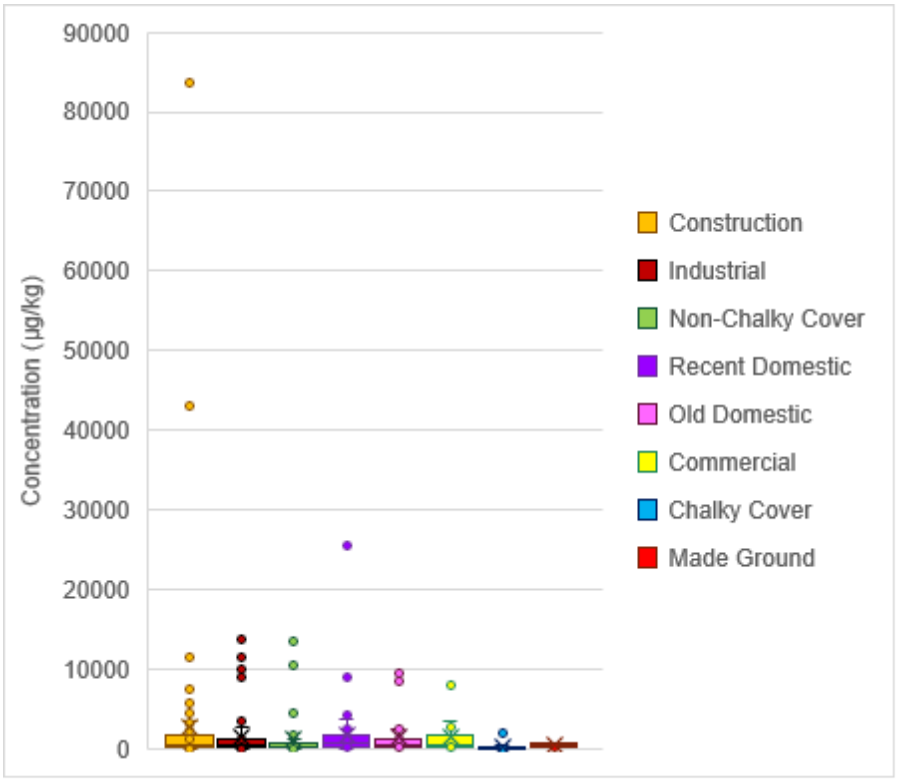

1970-1980
Concentration (mg/kg)
7
6
5
4
3
2
1
0
Construction
Industrial
Non-Chalky Cover
Recent Domestic
Old Domestic
Commercial
Chalky Cover
Made Ground

D21 Benzo(a)Pyrene

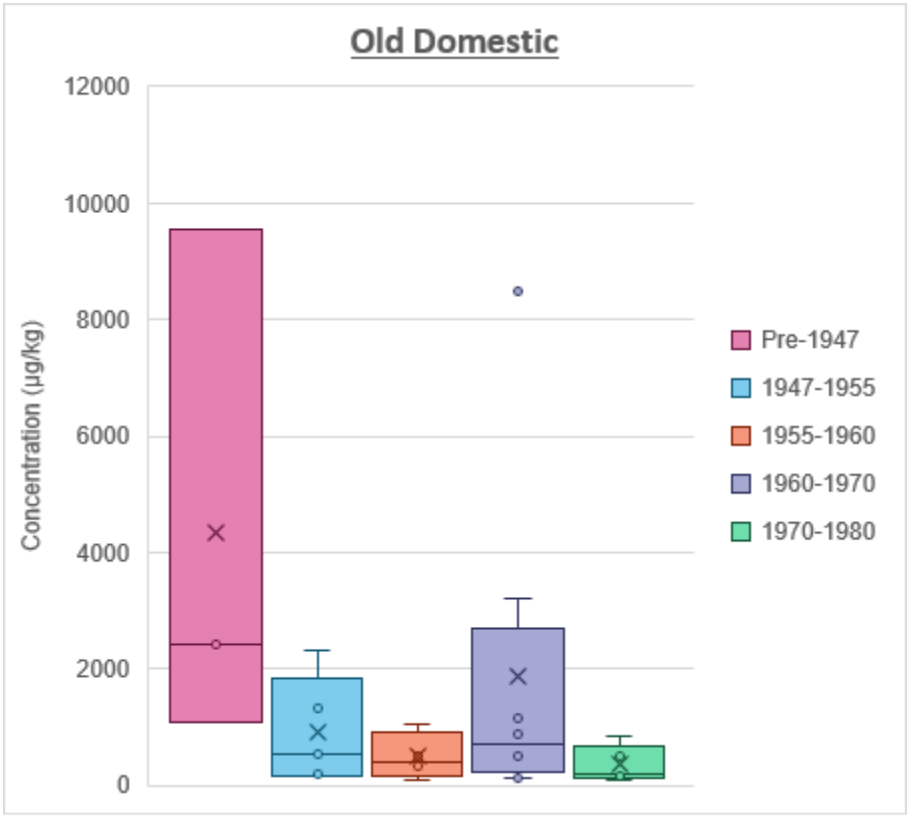
D21.1 Concentration by Era

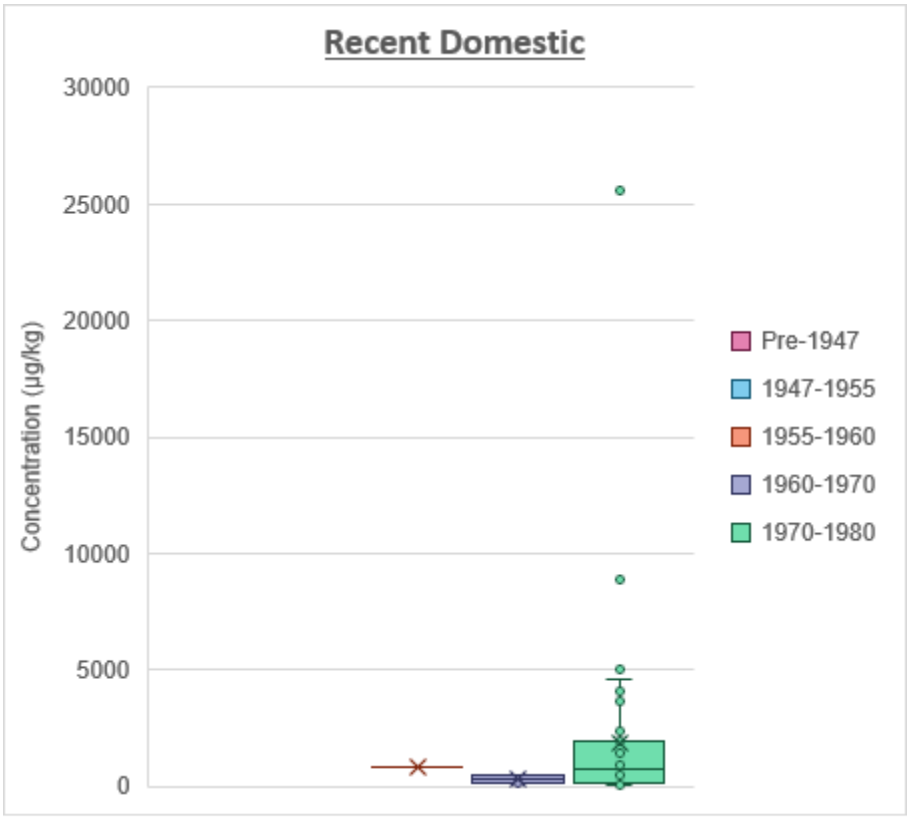


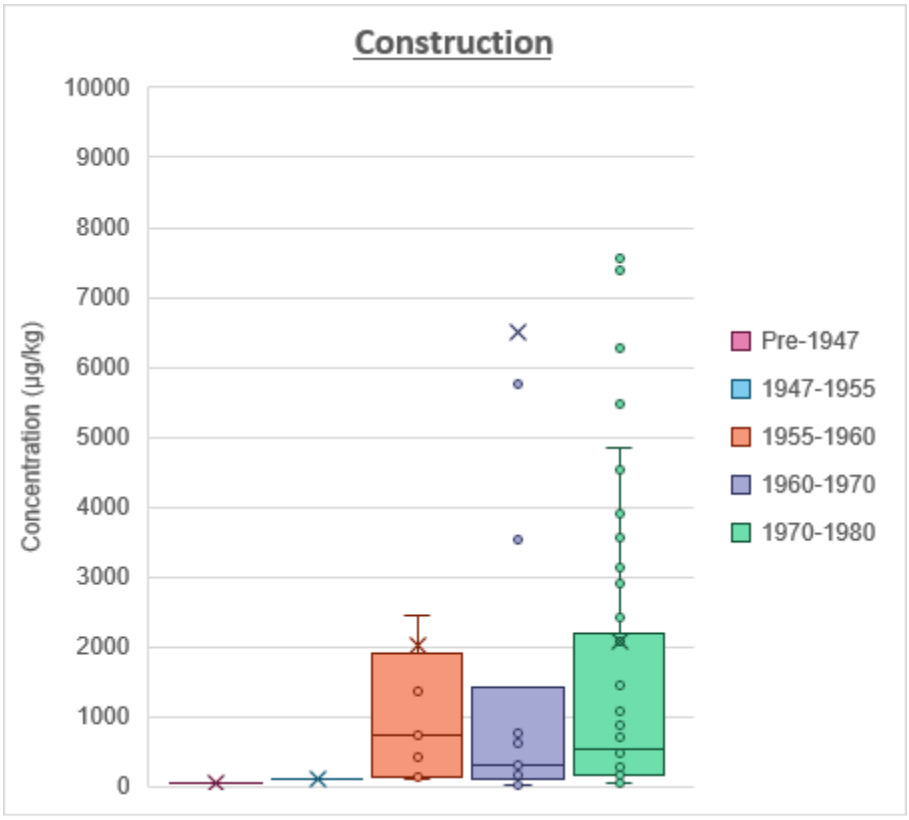
D21.2 Concentration by Waste Type

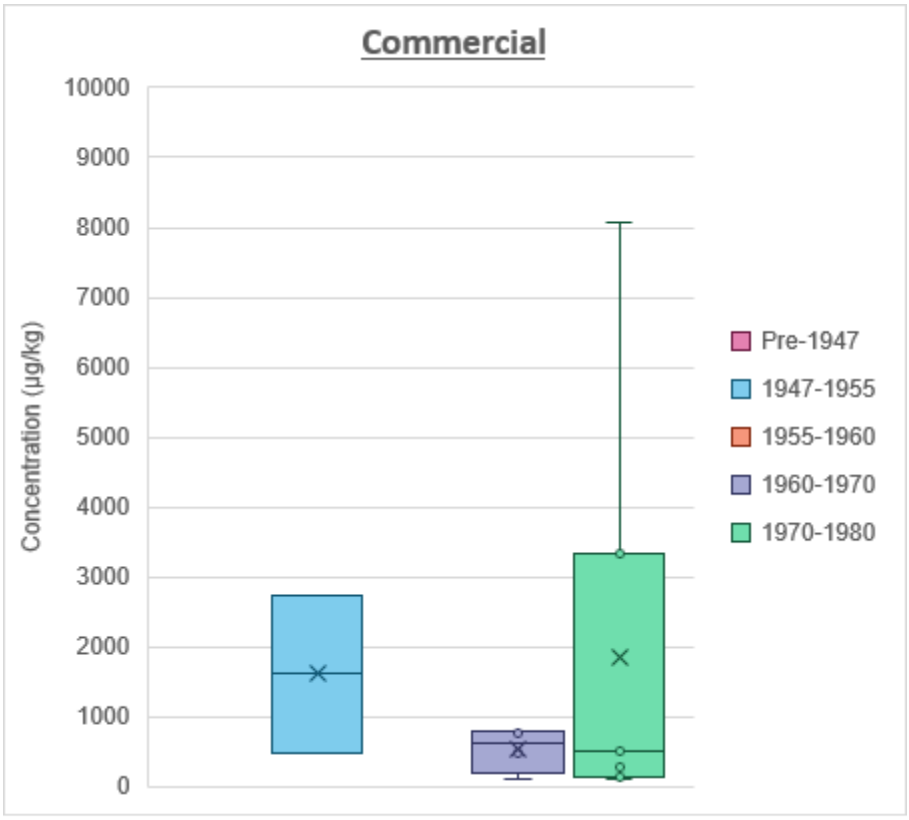


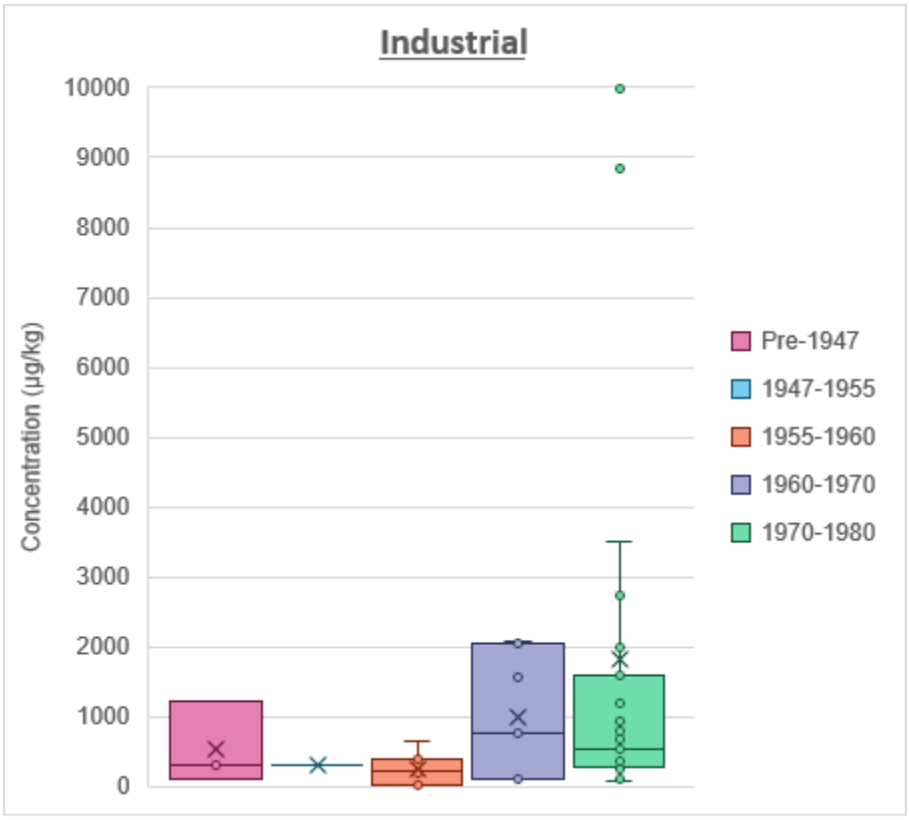
D21.3 Concentration by Waste Type and Era

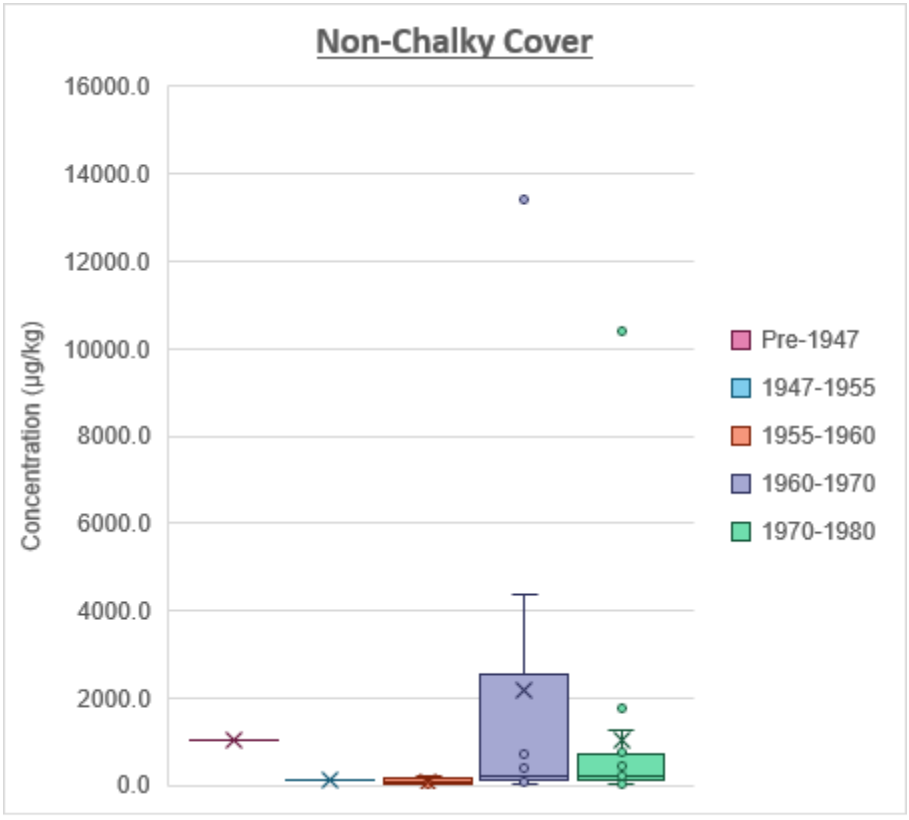


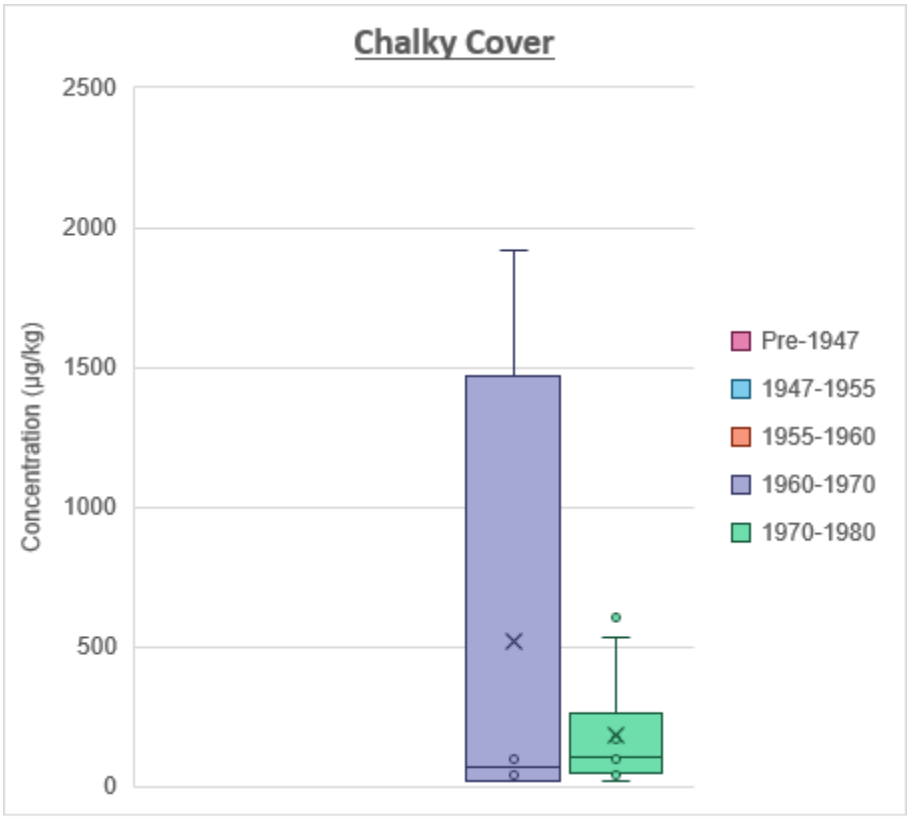



Construction
Concentration (µg/kg)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

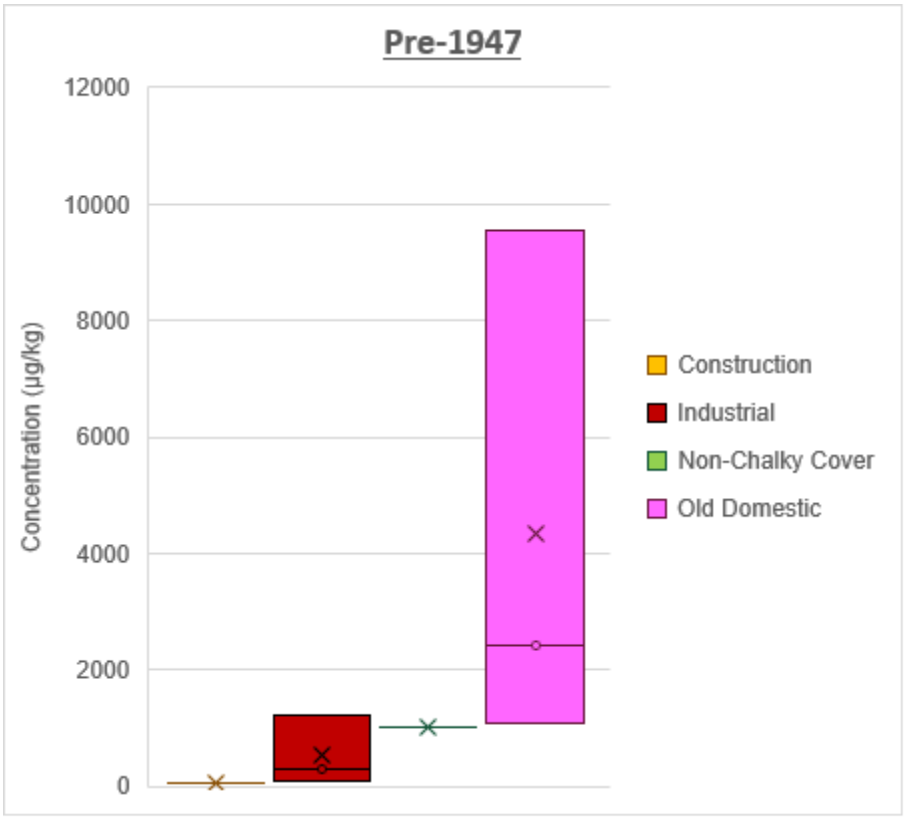

Commercial
Concentration (µg/kg)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

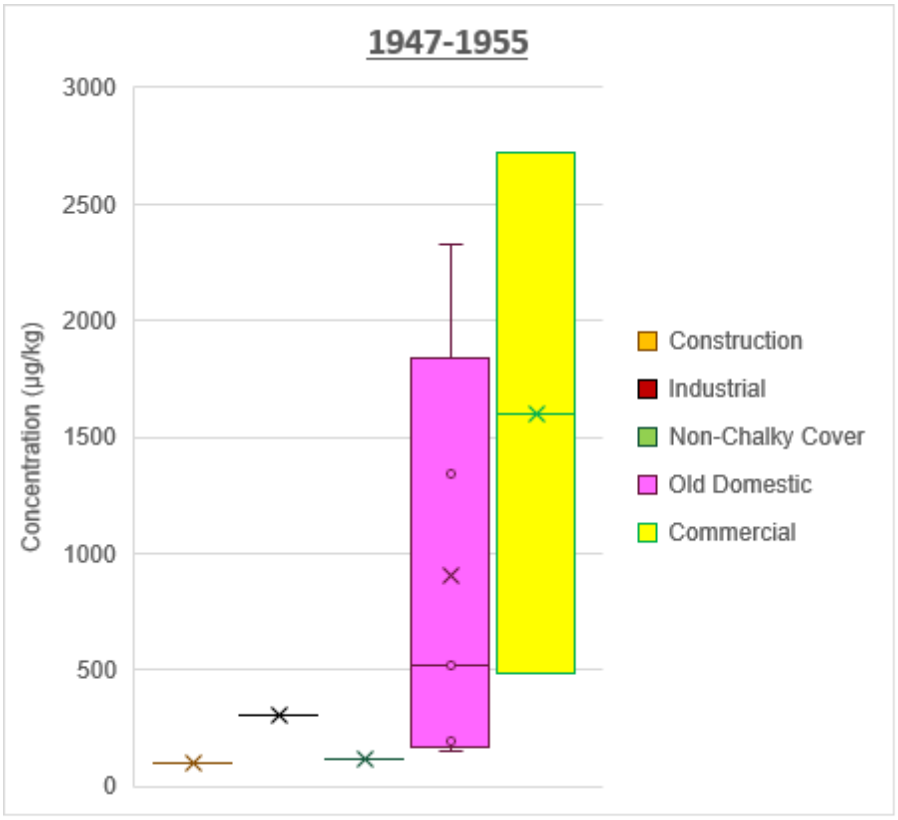

Industrial
Concentration (µg/kg)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980


Non-Chalky Cover
Concentration (µg/kg)
16000.0
14000.0
12000.0
10000.0
8000.0
6000.0
4000.0
2000.0
0.0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

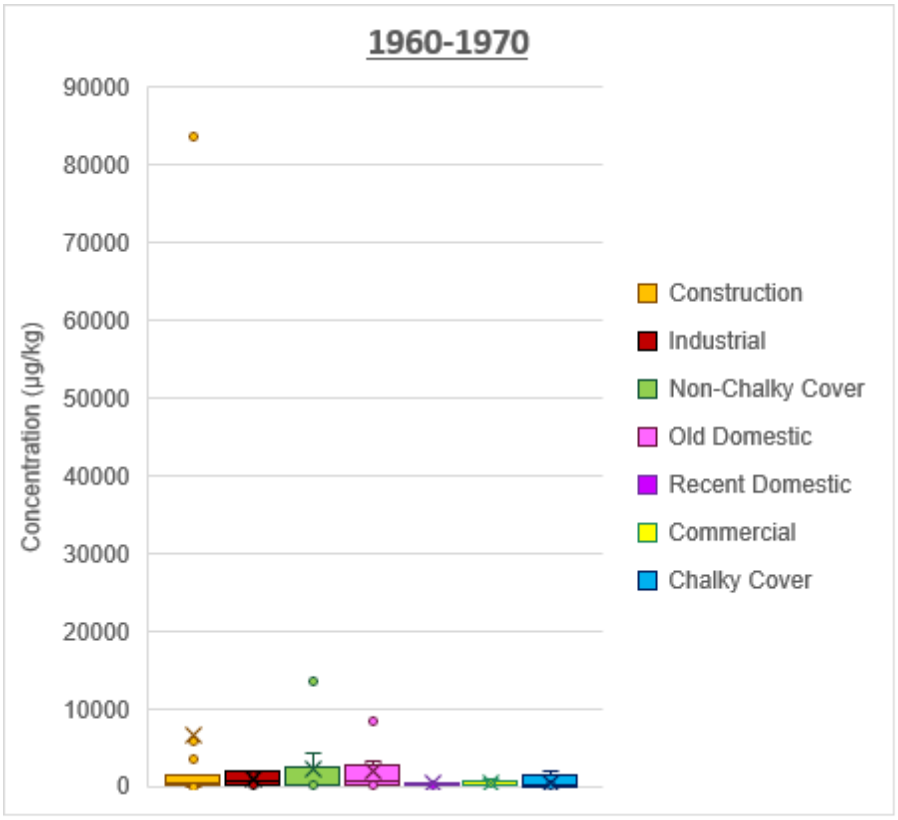


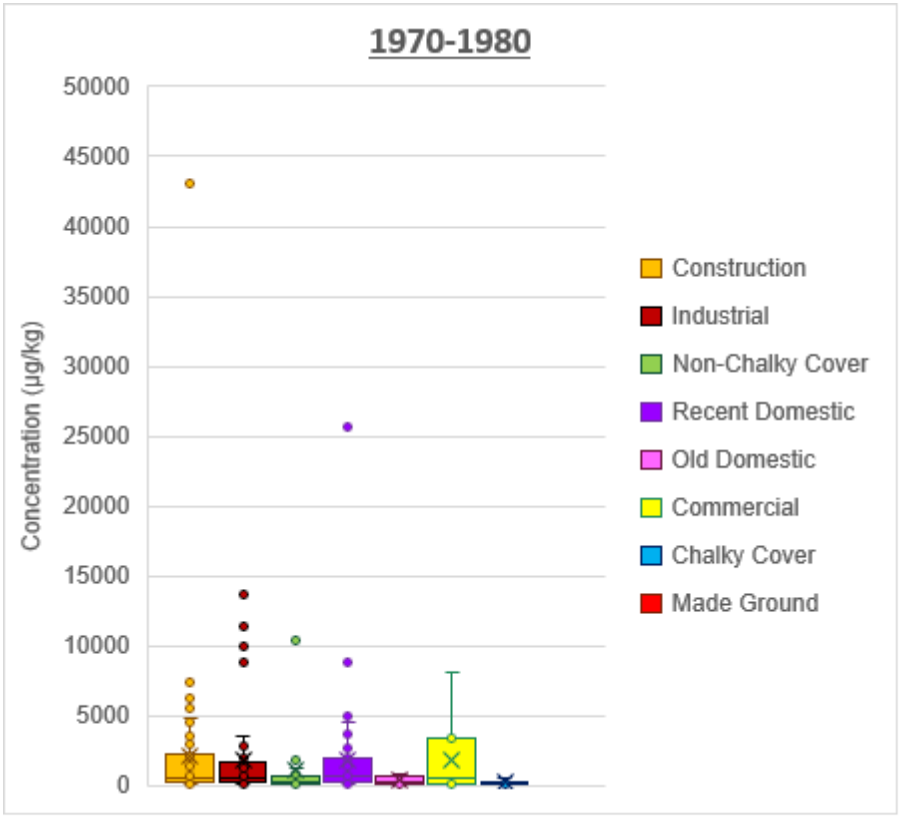
D21.4 Concentration by Era and Waste Type




1947-1955
3000
2500
2000
1500
1000
500
0
Concentration (µg/kg)
Construction
Industrial
Non-Chalky Cover
Old Domestic
Commercial

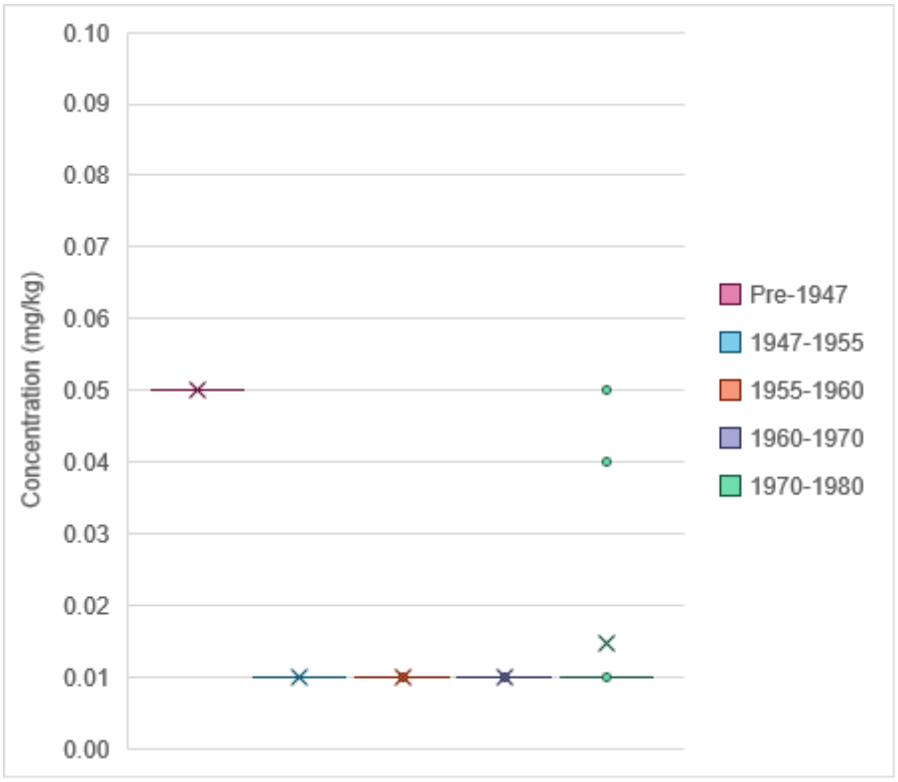
1955-1960
14000
12000
10000
8000
6000
4000
2000
0
Concentration (µg/kg)
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic


1960-1970
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Concentration (µg/kg)
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic
Commercial
Chalky Cover

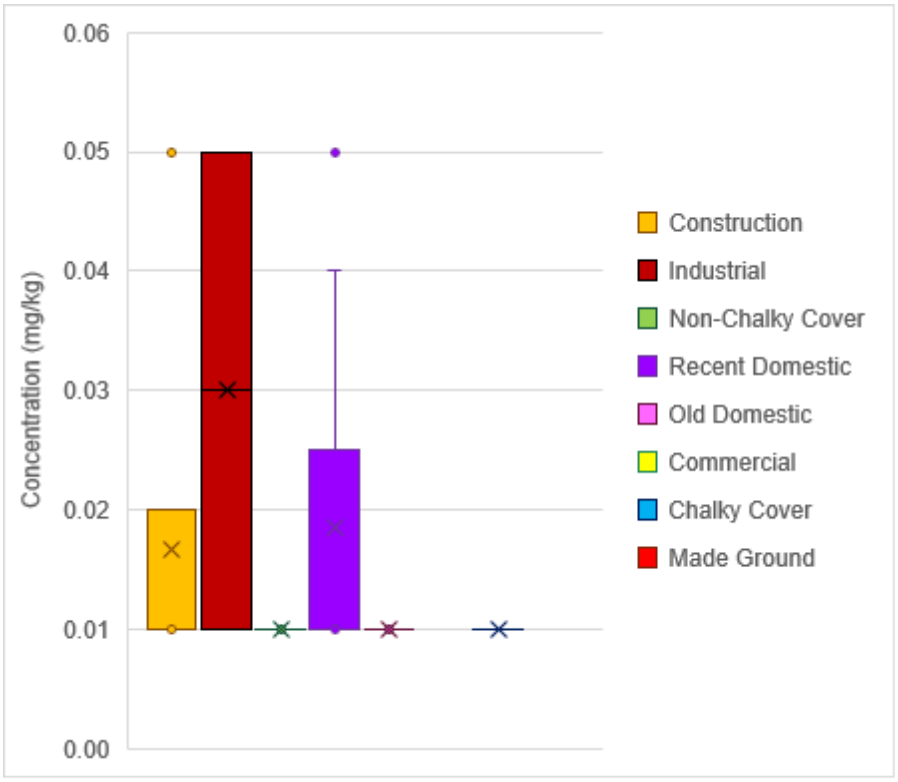

1970-1980
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Concentration (µg/kg)
Construction
Industrial
Non-Chalky Cover
Recent Domestic
Old Domestic
Commercial
Chalky Cover
Made Ground

D22 Benzene

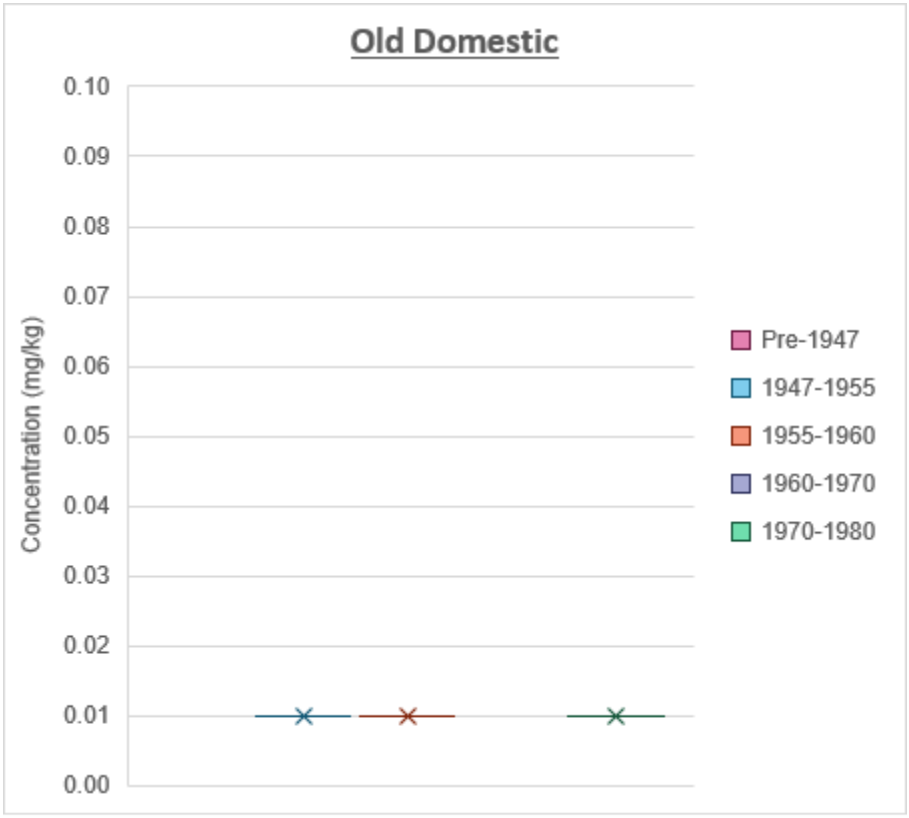
D22.1 Concentration by Era

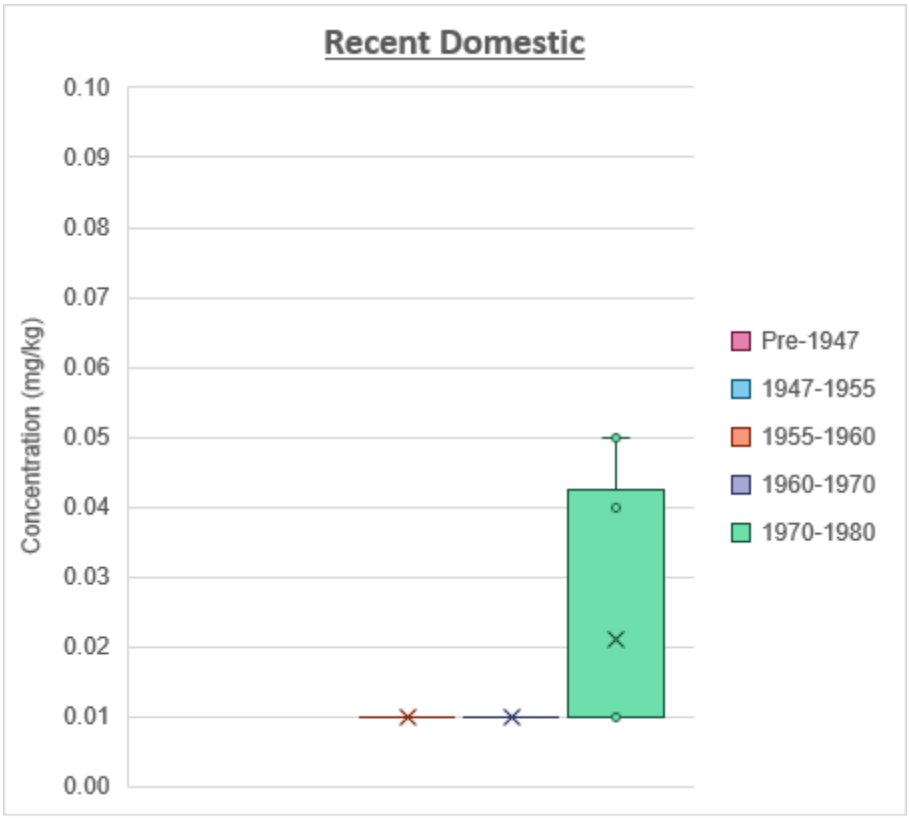


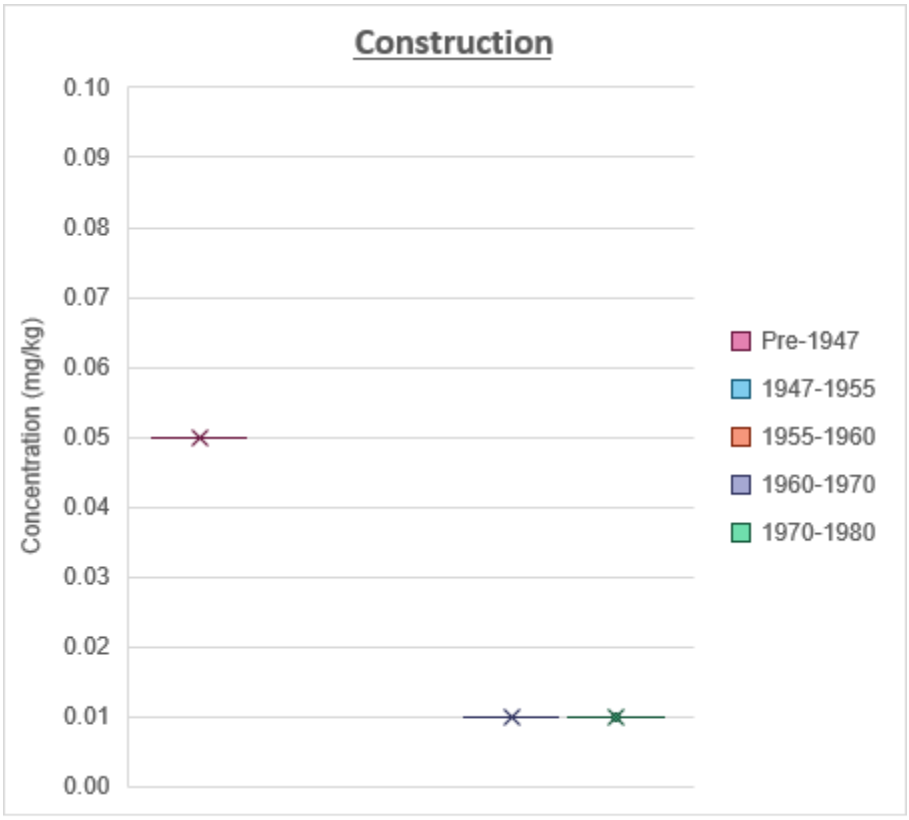
D22.2 Concentration by Waste Type



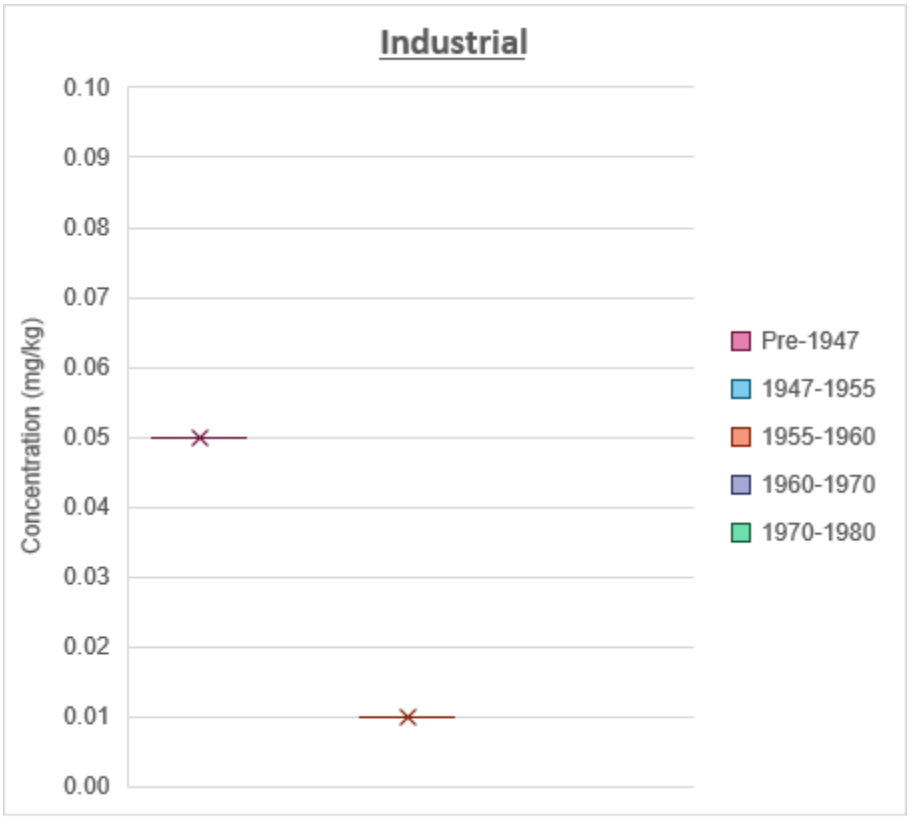
D22.3 Concentration by Waste Type and Era

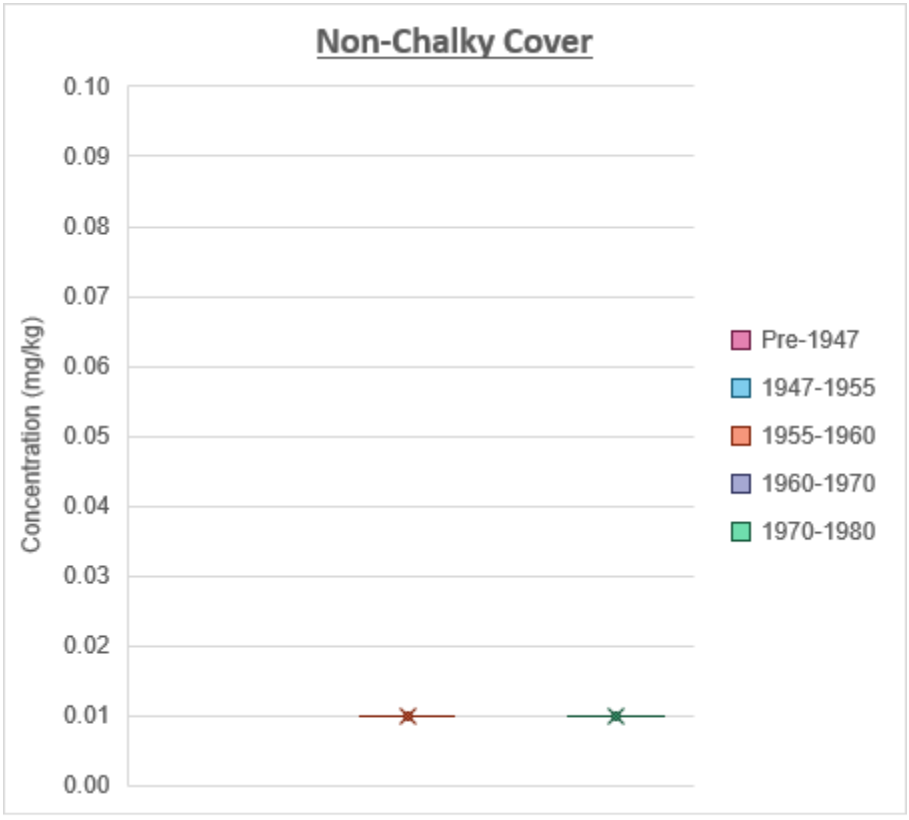


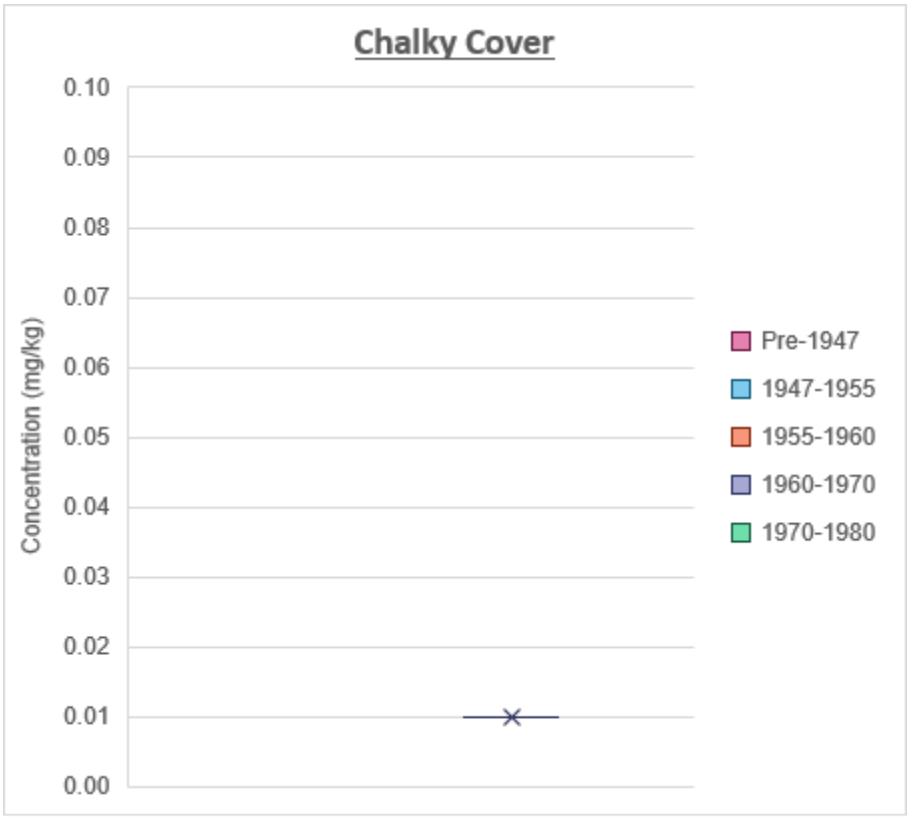



Construction
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
Concentration (mg/kg)
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

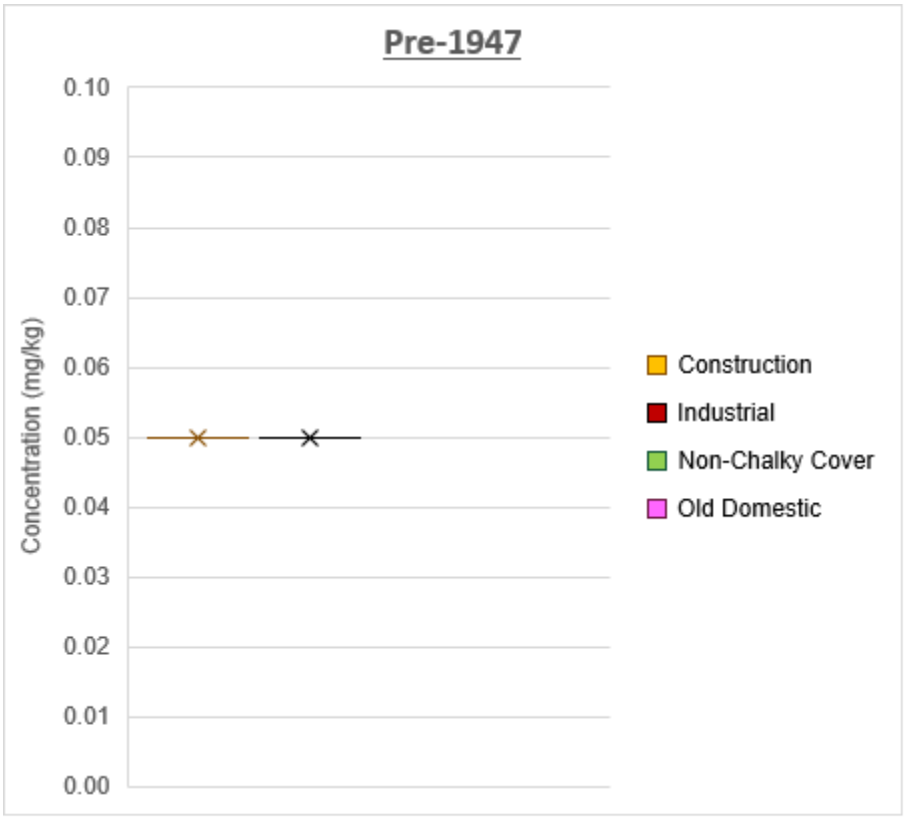
Commercial
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
Concentration (mg/kg)
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980


Industrial
Concentration (mg/kg)
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980


Non-Chalky Cover
Concentration (mg/kg)
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980



D22.4 Concentration by Era and Waste Type



1947-1955
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
Concentration (mg/kg)
Construction
Industrial
Non-Chalky Cover
Old Domestic
Commercial

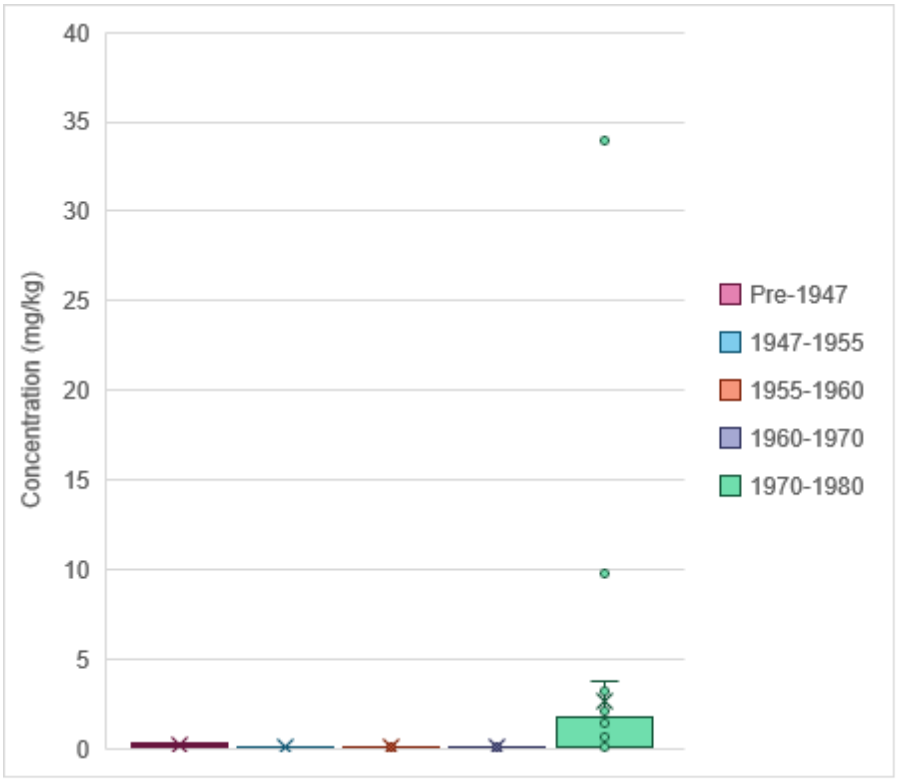
1955-1960
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
Concentration (mg/kg)
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic

1960-1970
Concentration (mg/kg)
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic
Commercial
Chalky Cover

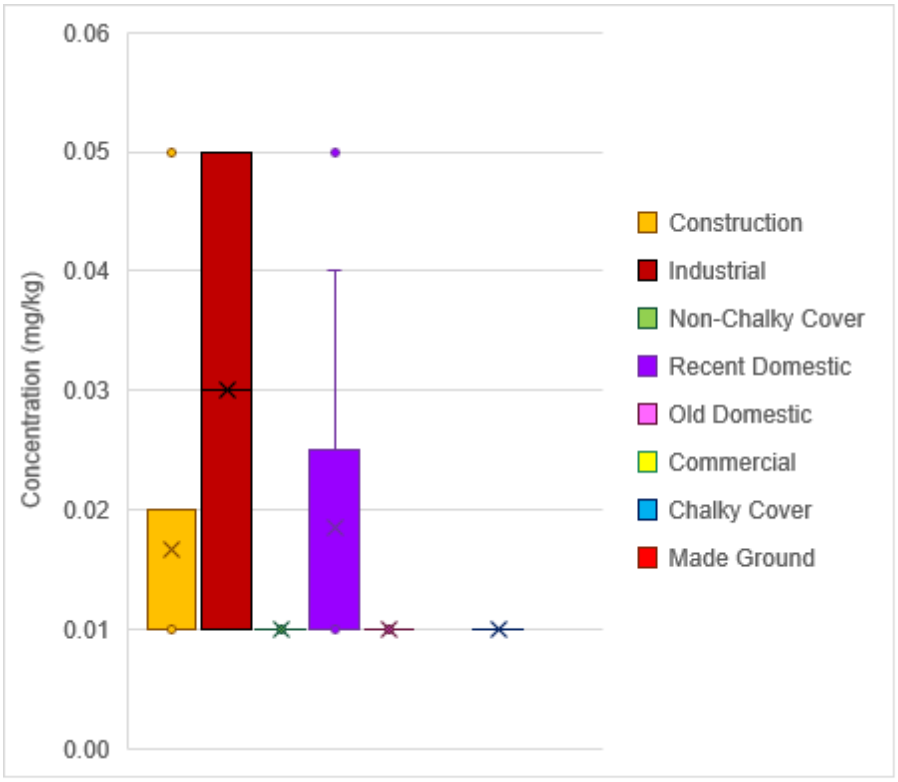
1970-1980
Concentration (mg/kg)
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
Construction
Industrial
Non-Chalky Cover
Recent Domestic
Old Domestic
Commercial
Chalky Cover
Made Ground

D23 Naphthalene

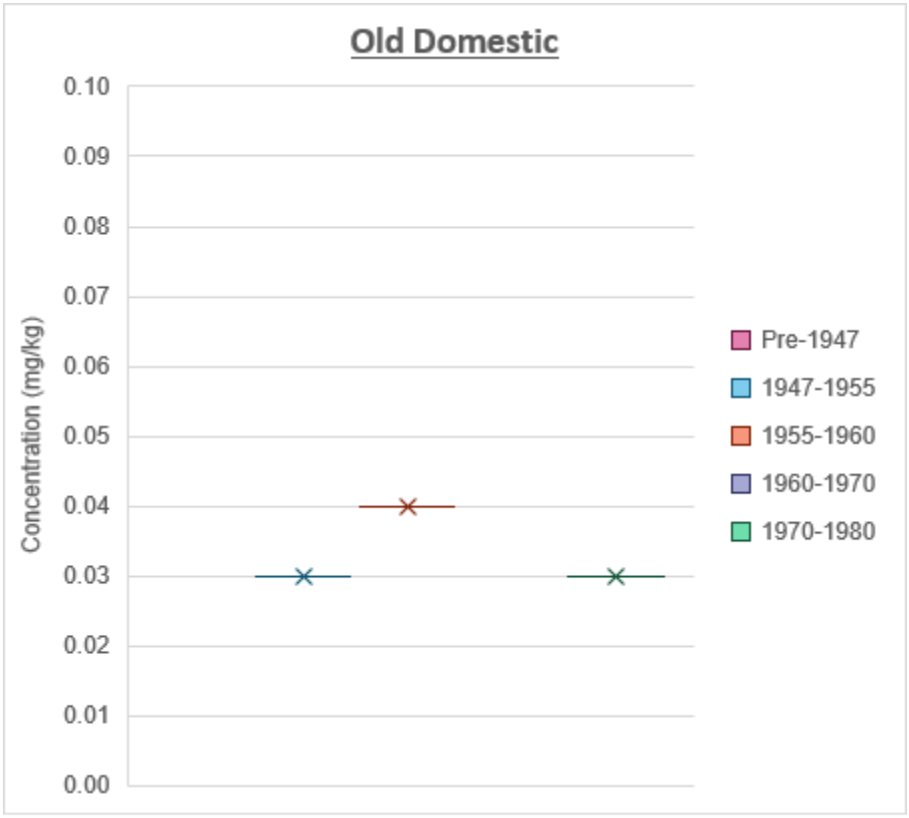
D23.1 Concentration by Era

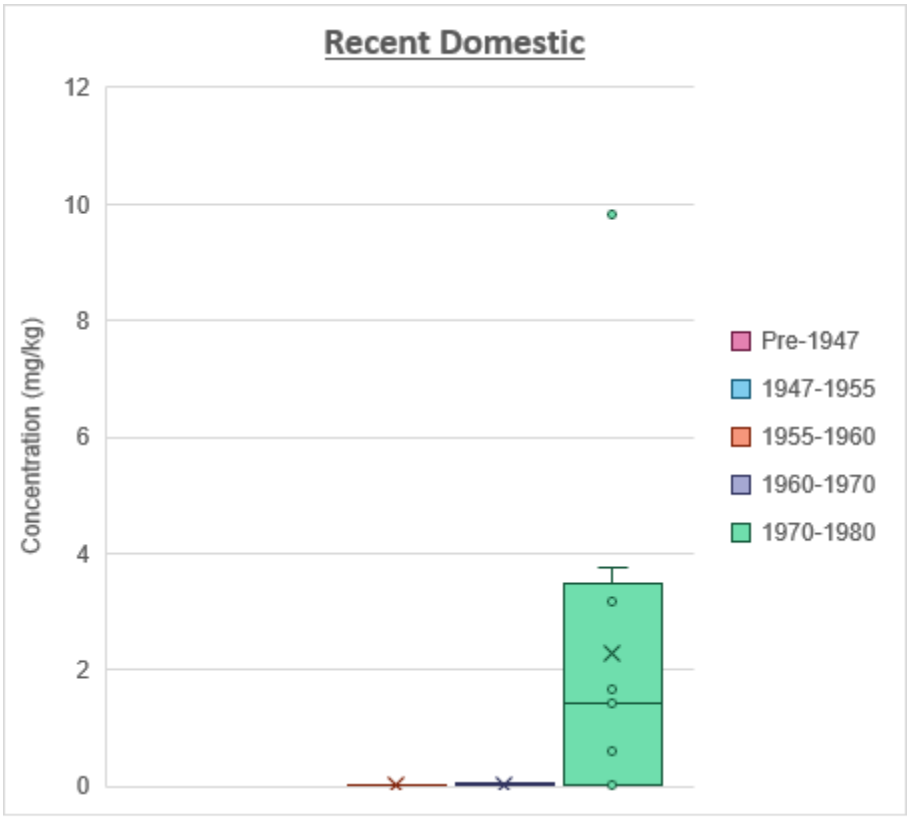


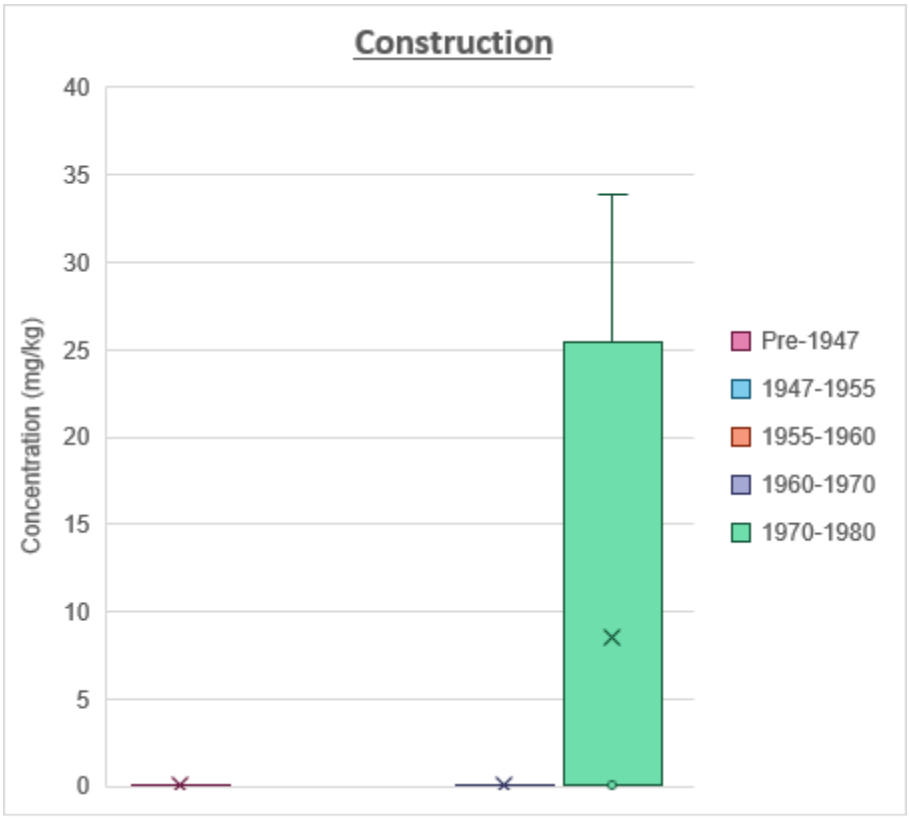
D23.2 Concentration by Waste Type



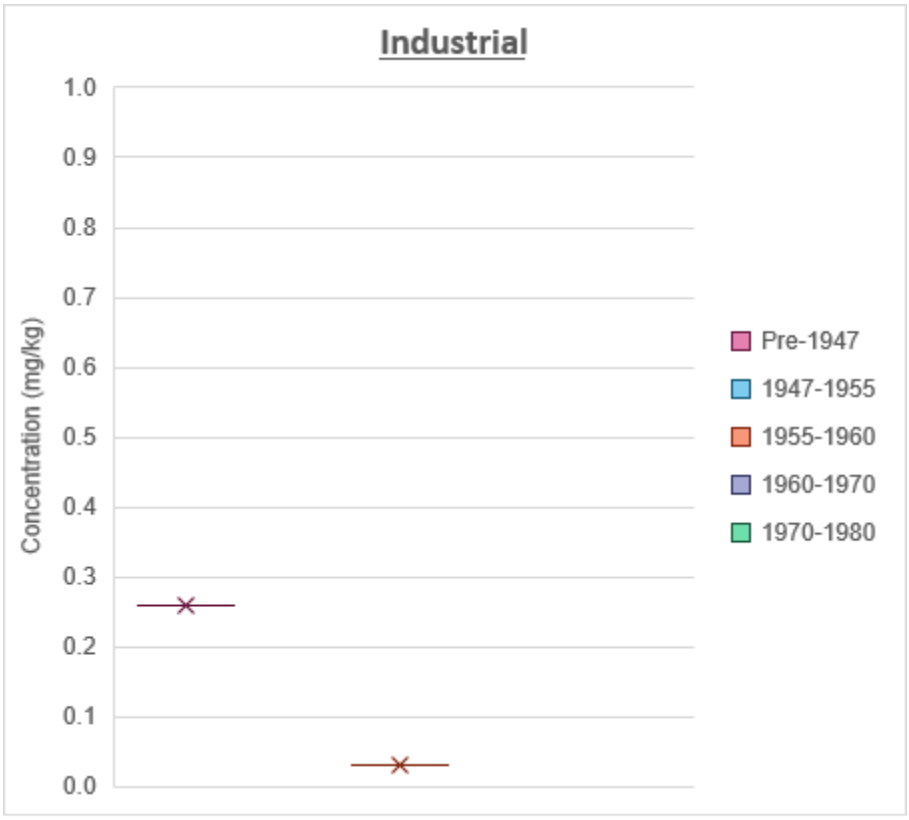
D23.3 Concentration by Waste Type and Era

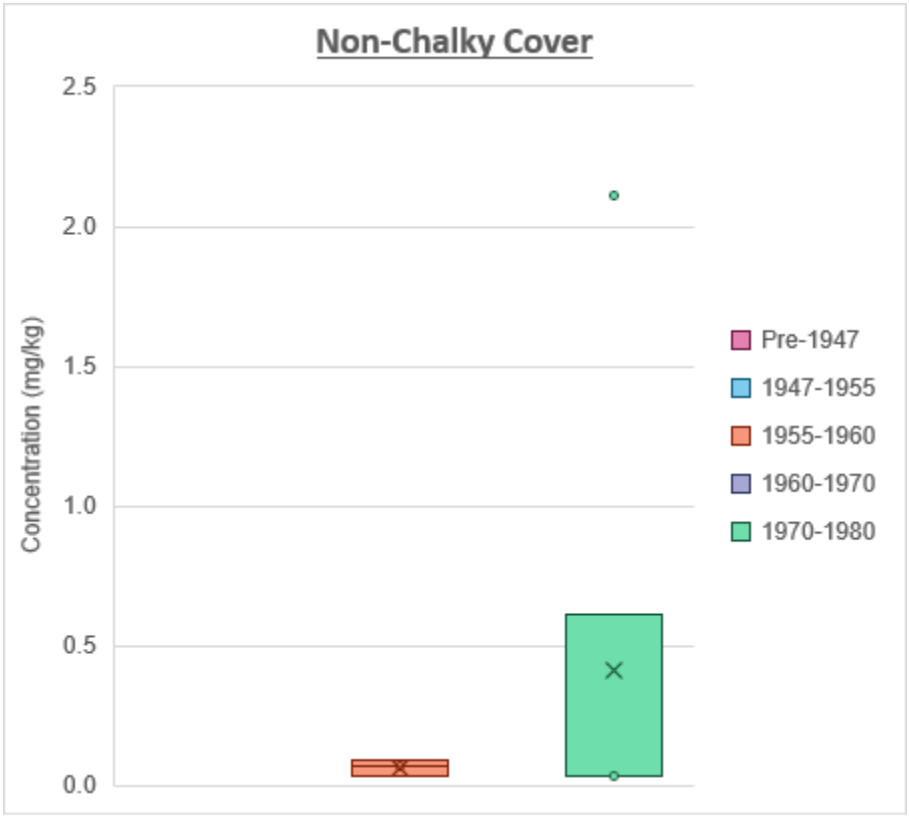


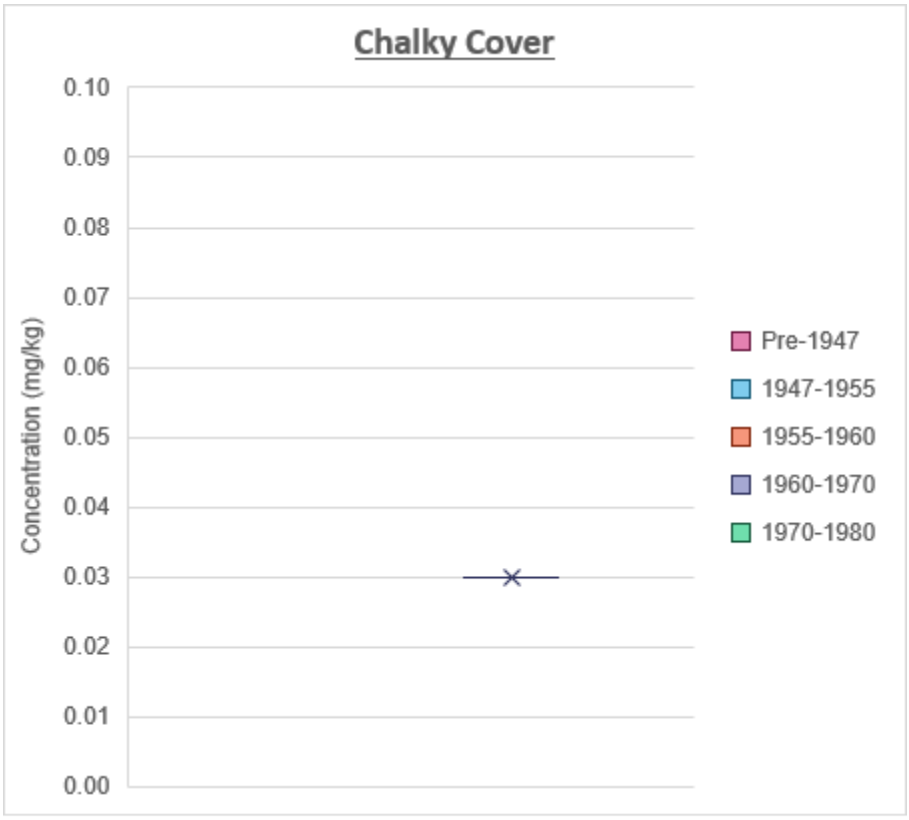



Construction
Concentration (mg/kg)
40
35
30
25
20
15
10
5
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

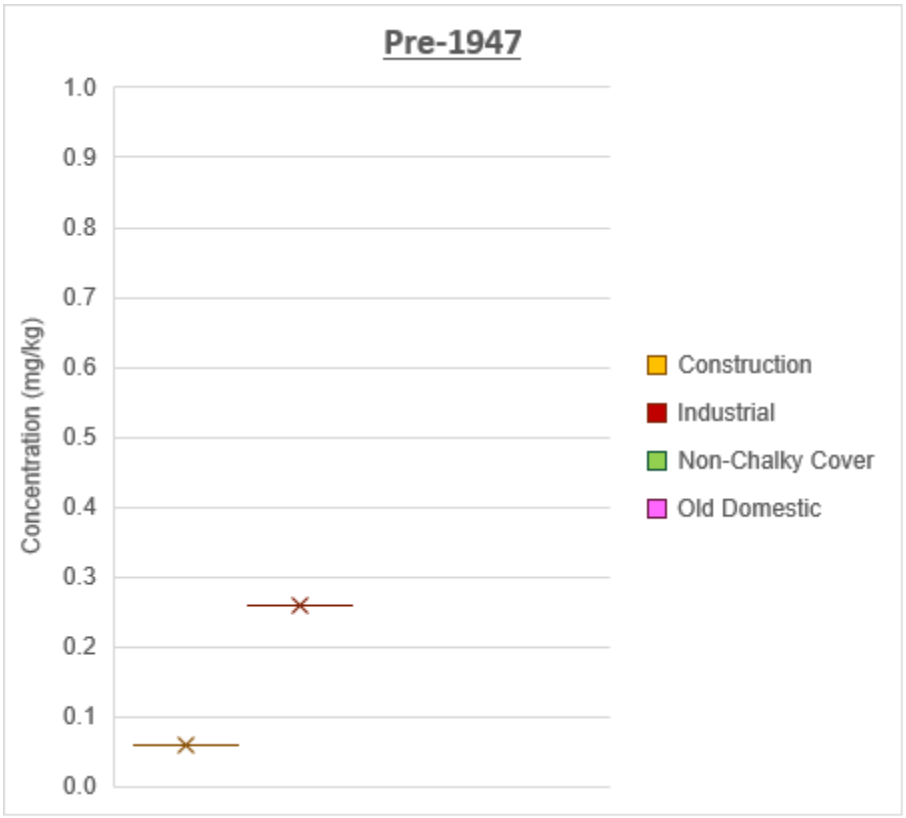
Commercial
Concentration (mg/kg)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980


Industrial
Concentration (mg/kg)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980


Non-Chalky Cover
Concentration (mg/kg)
2.5
2.0
1.5
1.0
0.5
0.0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

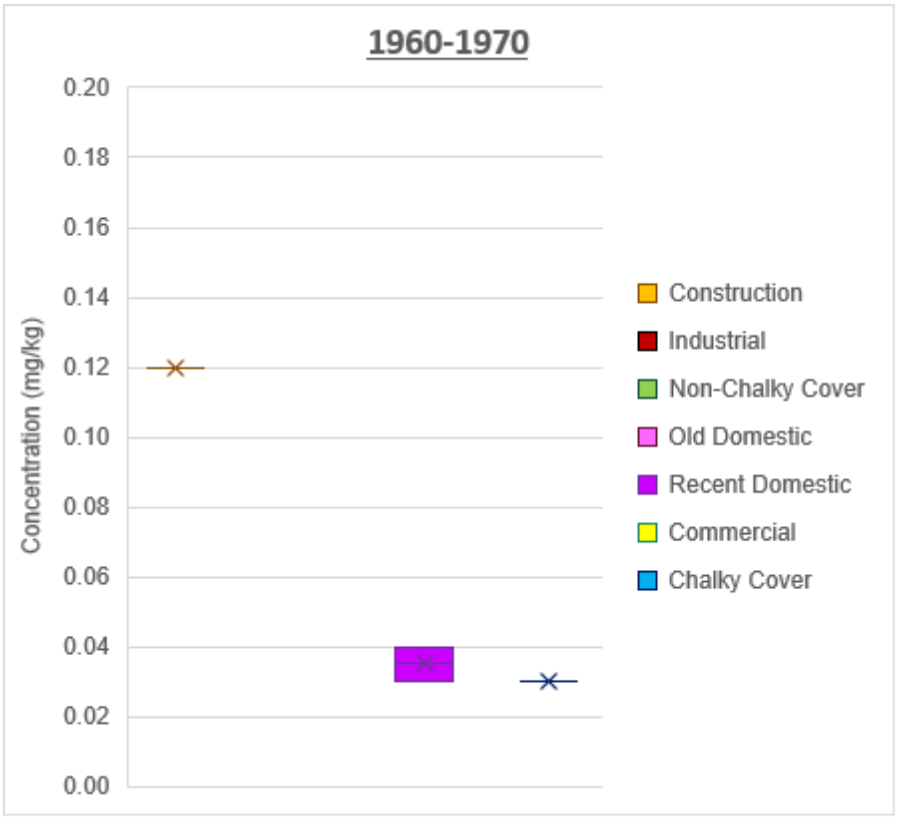


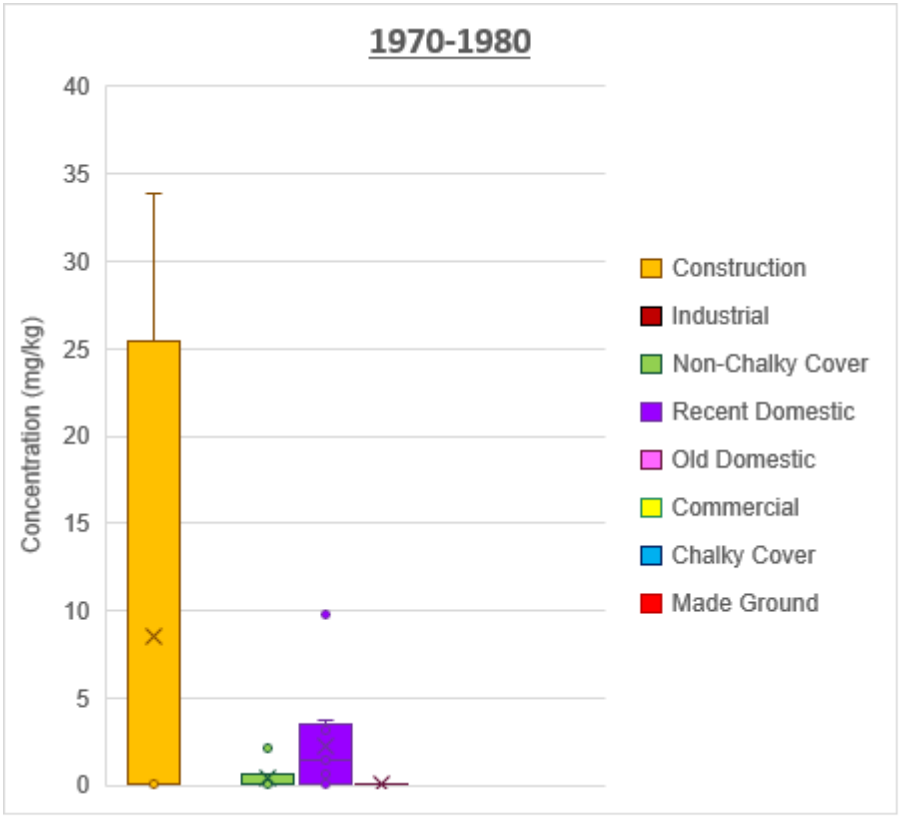
D23.4 Concentration by Era and Waste Type



1947-1955
Concentration (mg/kg)
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
Construction
Industrial
Non-Chalky Cover
Old Domestic
Commercial

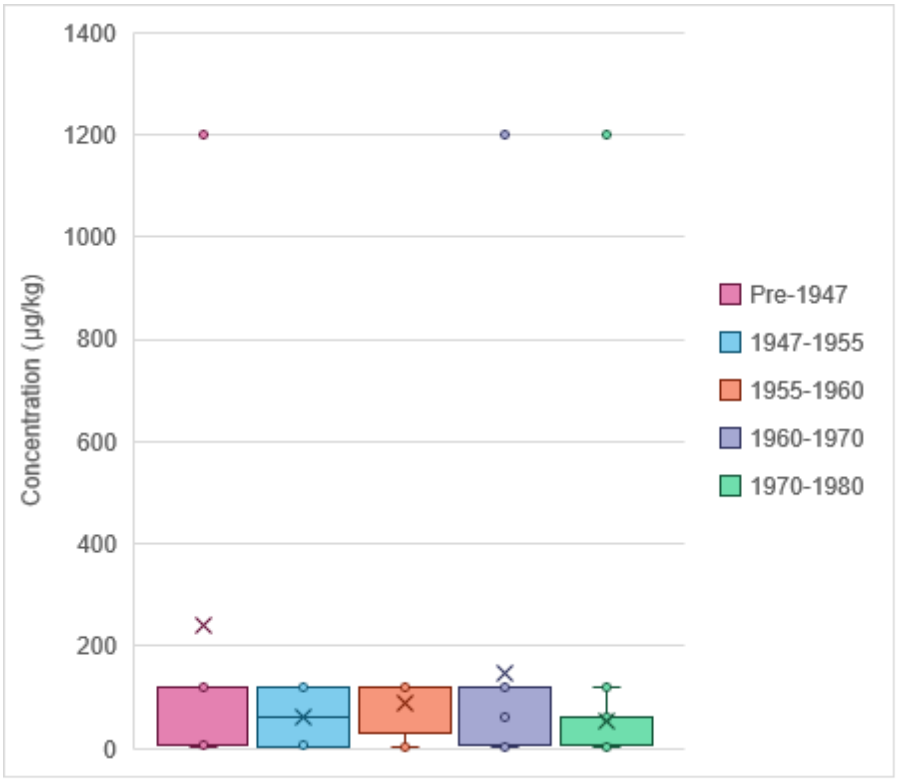
1955-1960
Concentration (mg/kg)
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic


1960-1970
Concentration (mg/kg)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic
Commercial
Chalky Cover

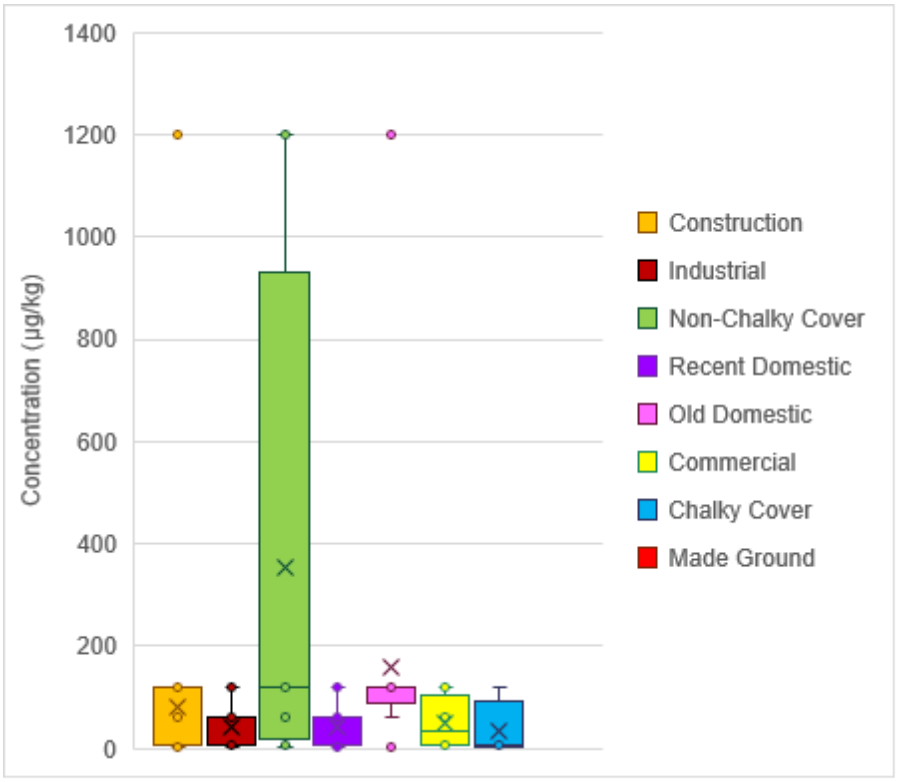

1970-1980
Concentration (mg/kg)
40
35
30
25
20
15
10
5
0
Construction
Industrial
Non-Chalky Cover
Recent Domestic
Old Domestic
Commercial
Chalky Cover
Made Ground

D24 Vinyl Chloride

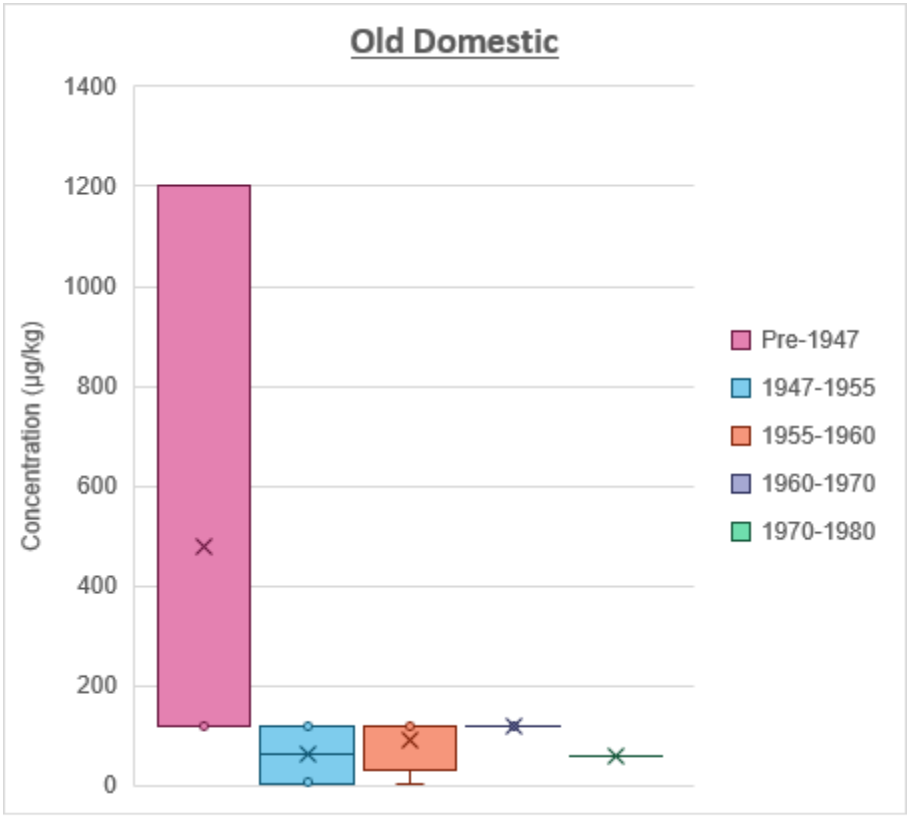
D24.1 Concentration by Era

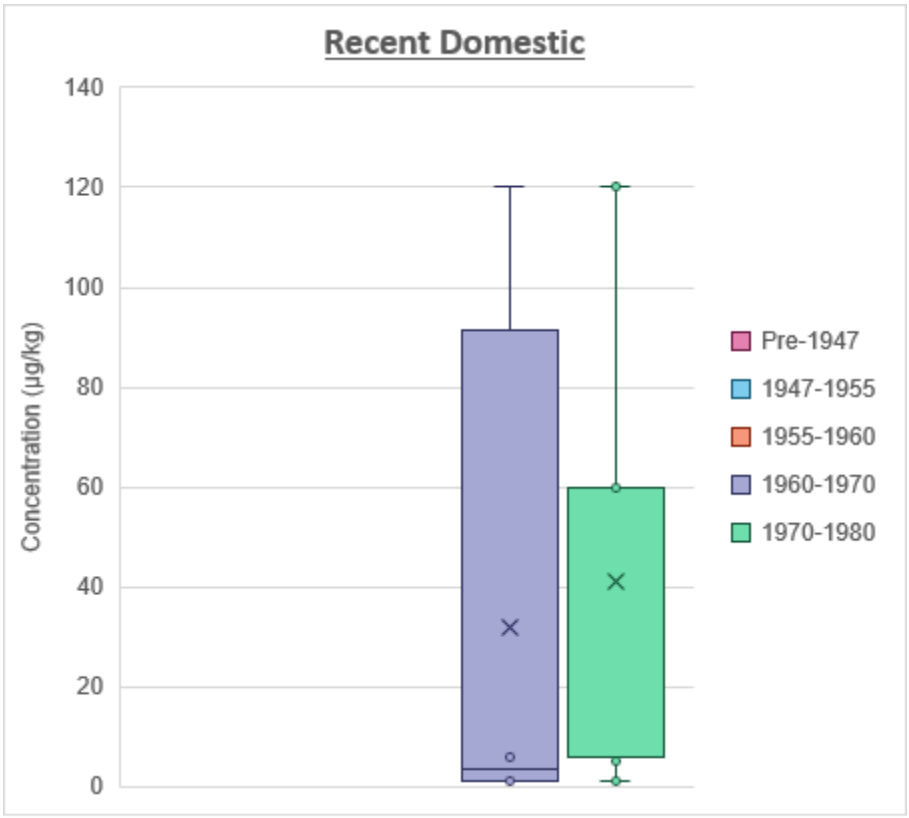


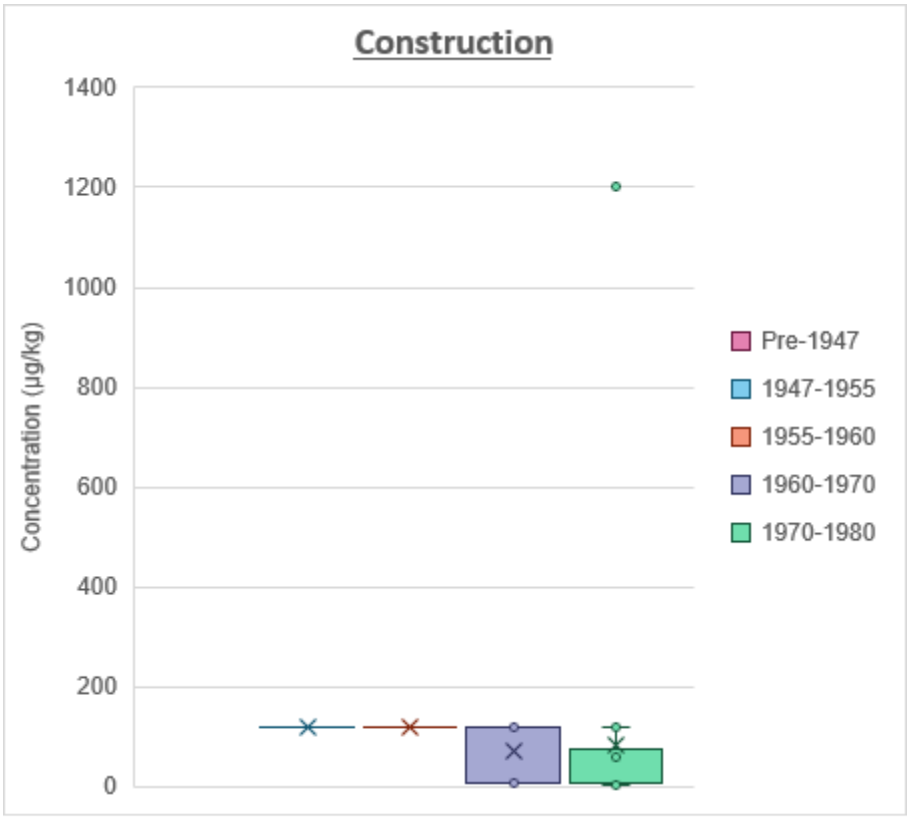
D24.2 Concentration by Waste Type

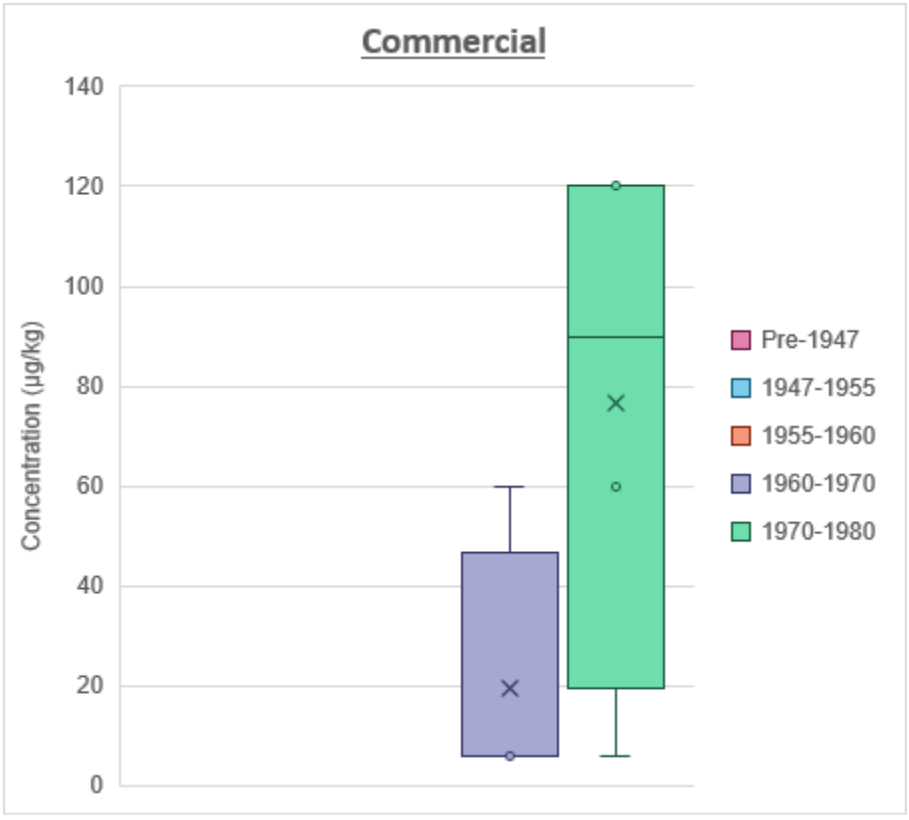


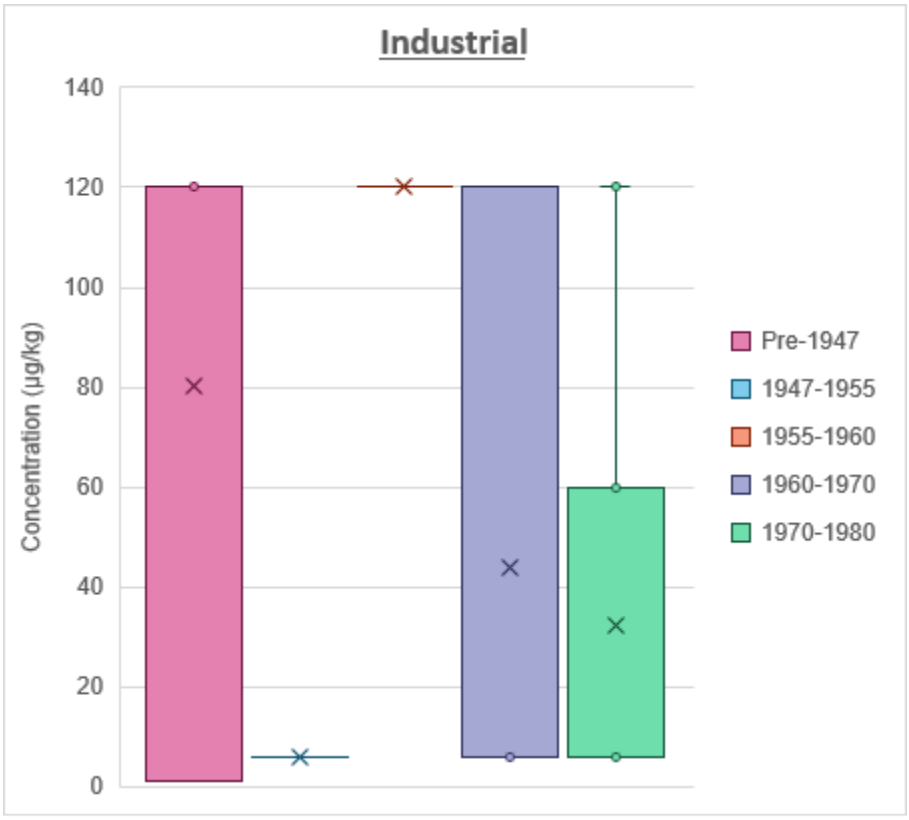
D24.3 Concentration by Waste Type and Era

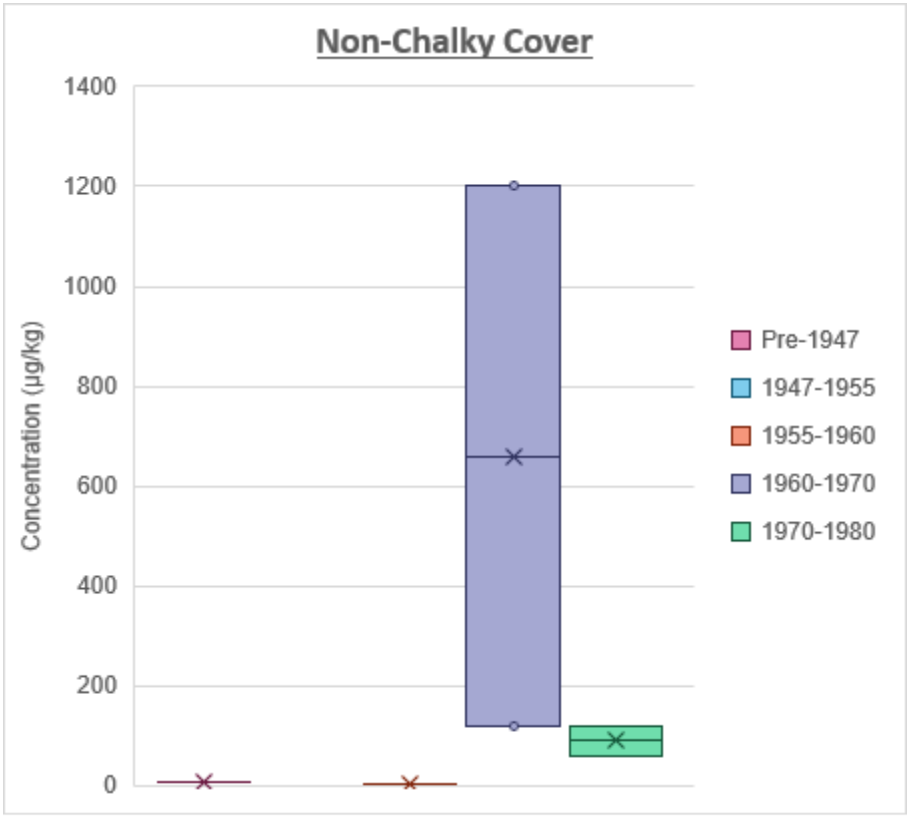


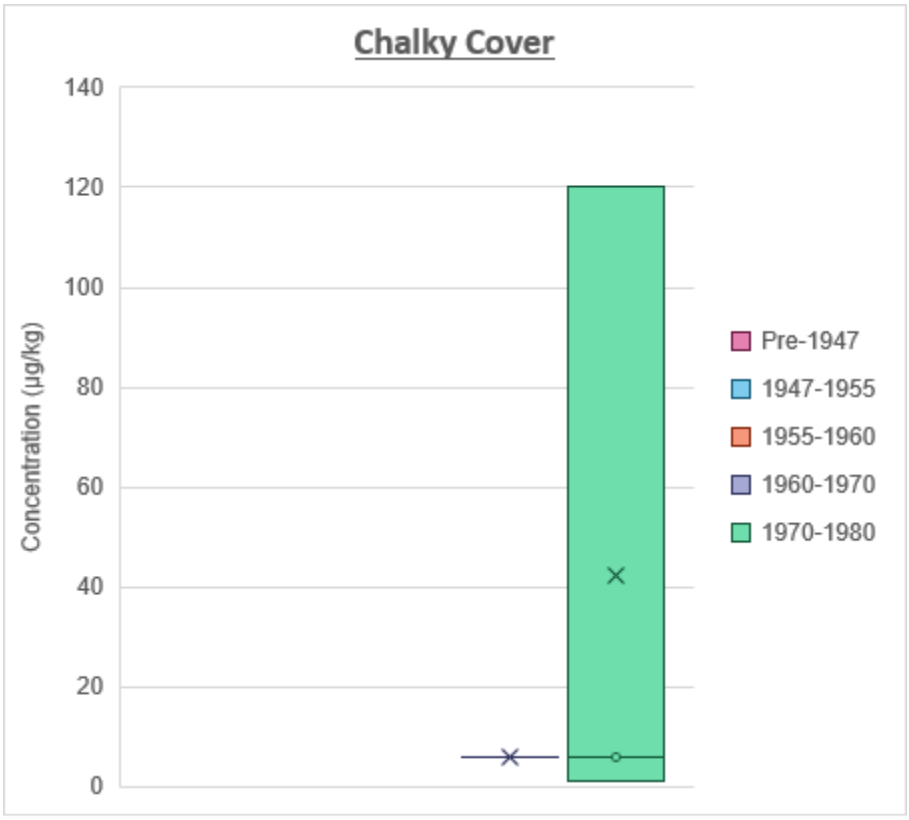



Construction
Concentration (µg/kg)
1400
1200
1000
800
600
400
200
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

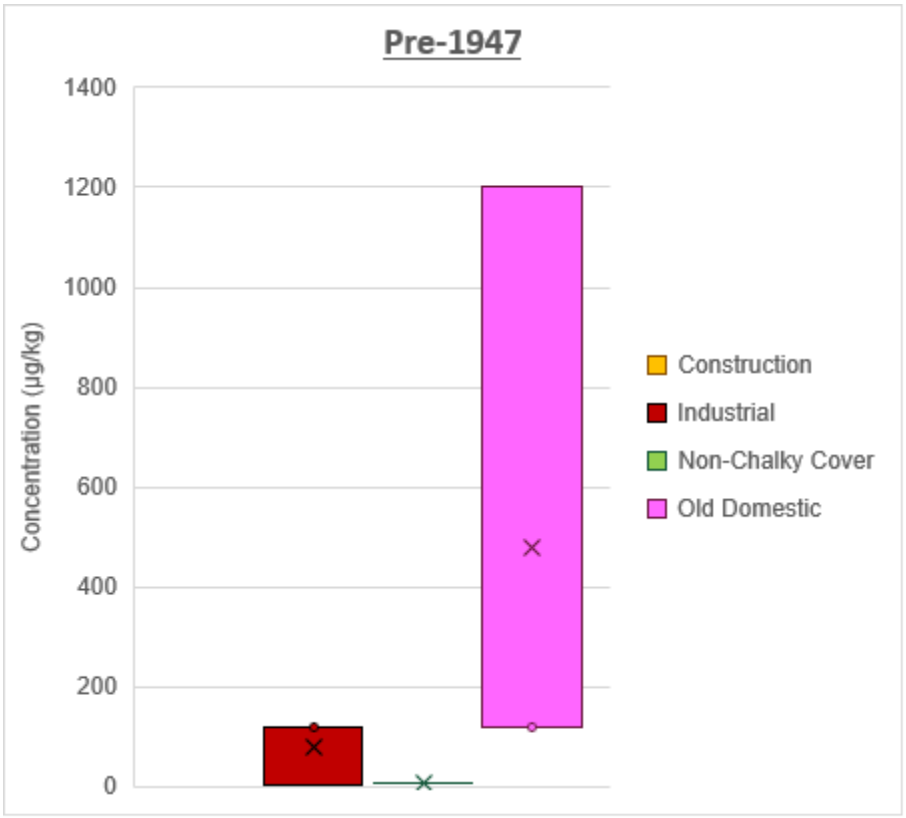

Commercial
Concentration (µg/kg)
140
120
100
80
60
40
20
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

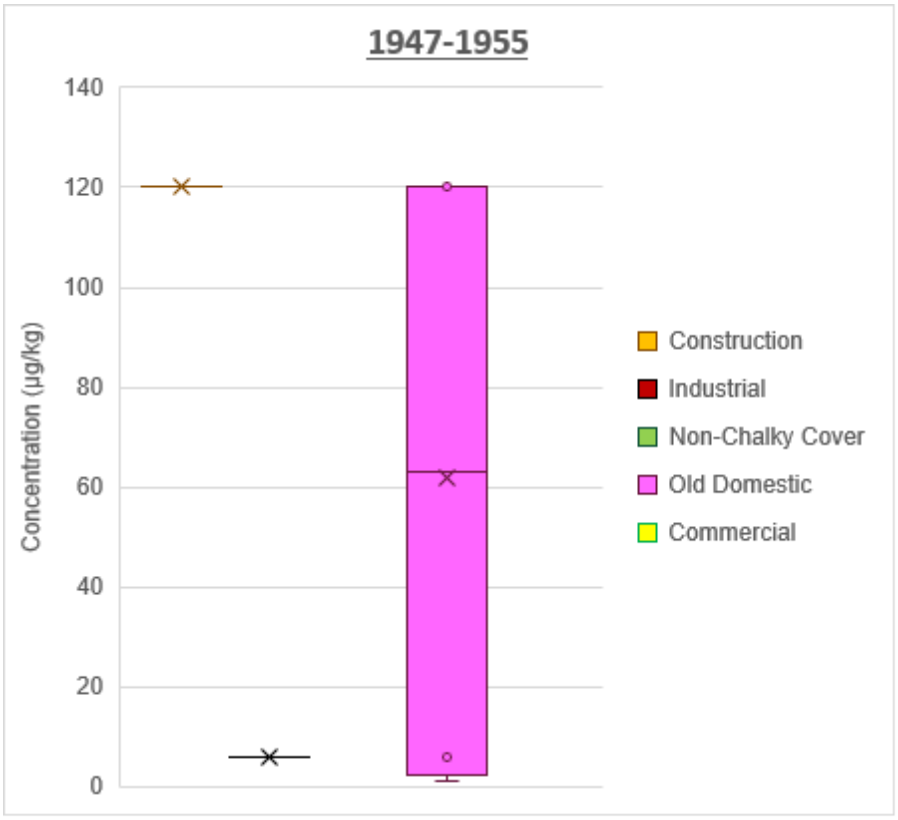

Industrial
Concentration (µg/kg)
140
120
100
80
60
40
20
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

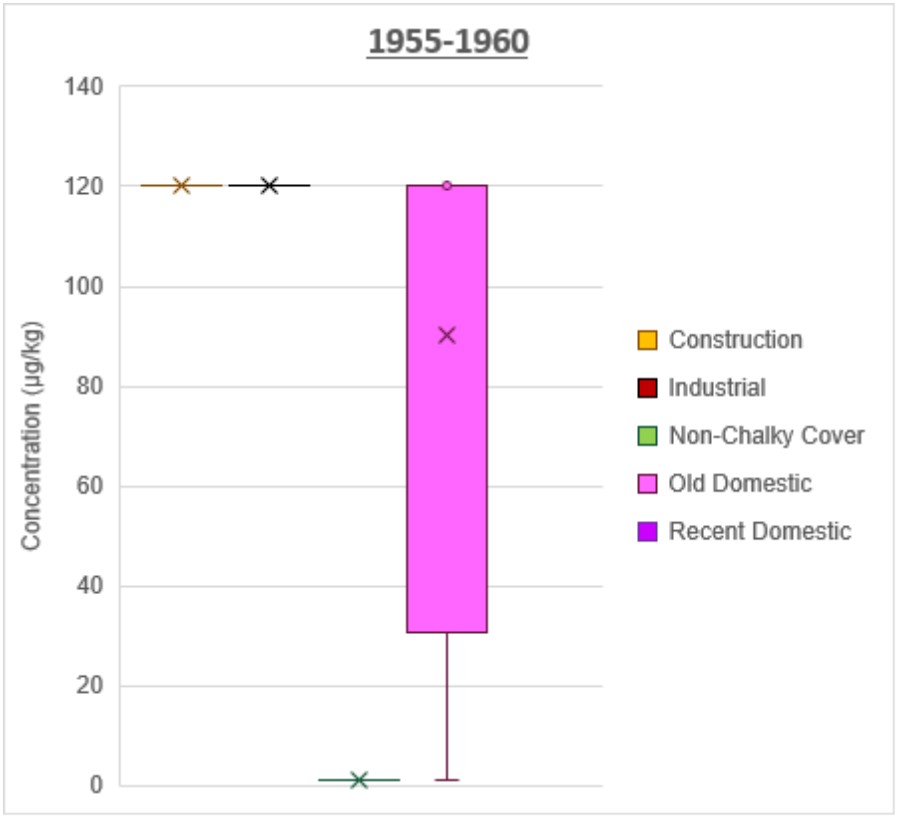

Non-Chalky Cover
Concentration (µg/kg)
1400
1200
1000
800
600
400
200
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

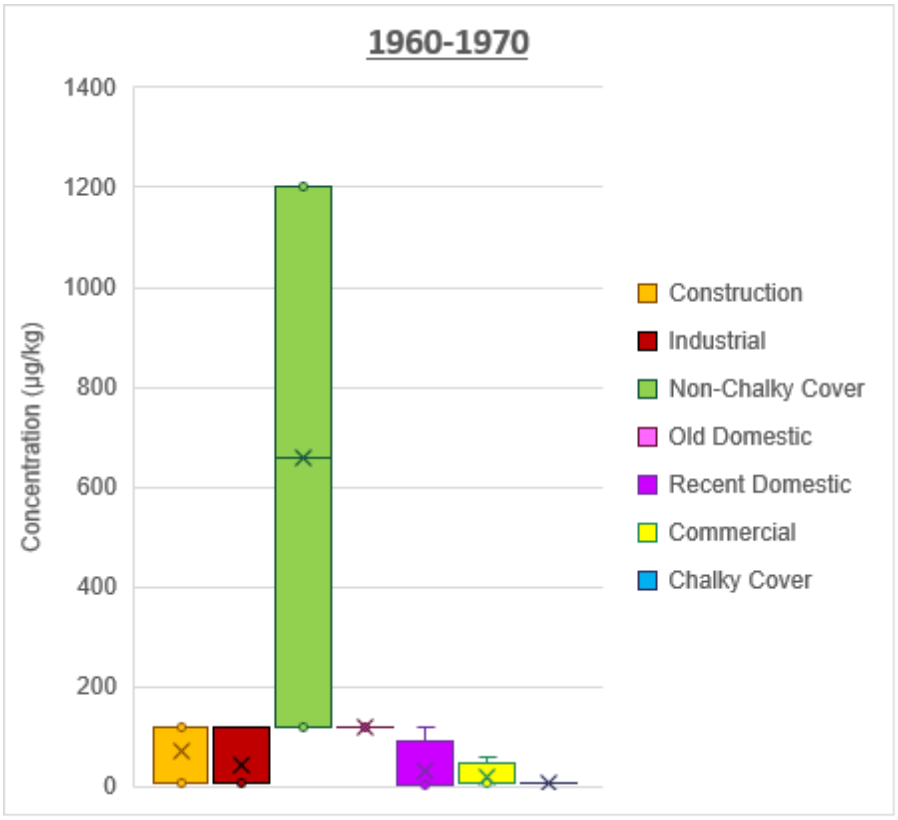


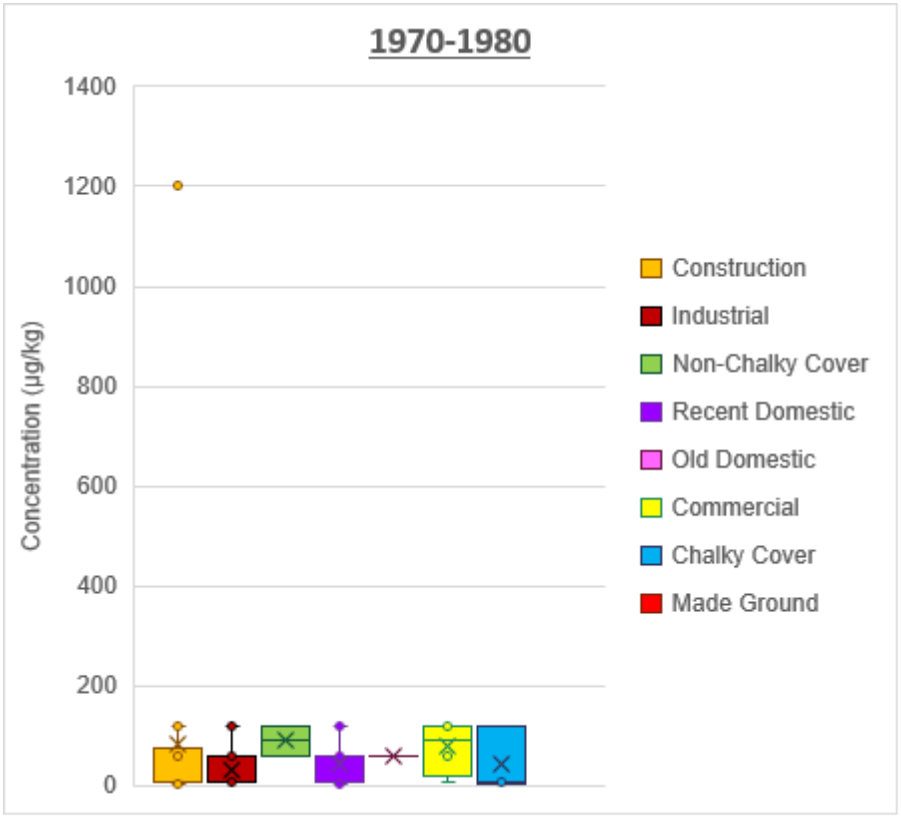
D24.4 Concentration by Era and Waste Type




1947-1955
Concentration (µg/kg)
140
120
100
80
60
40
20
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Commercial

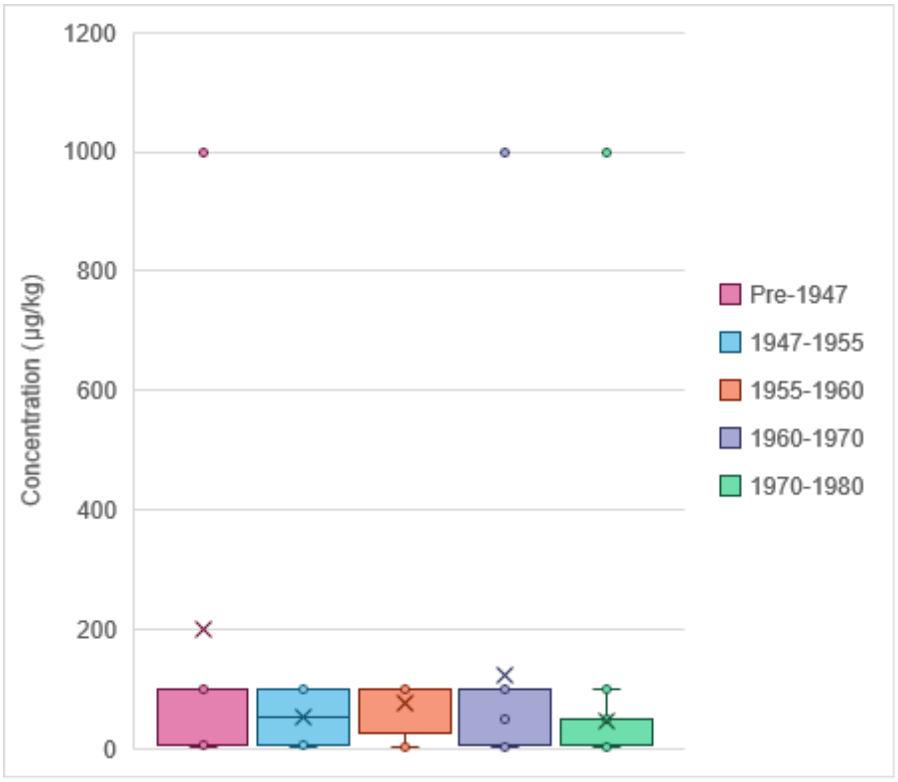

1955-1960
Concentration (µg/kg)
140
120
100
80
60
40
20
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic


1960-1970
Concentration (µg/kg)
1400
1200
1000
800
600
400
200
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic
Commercial
Chalky Cover

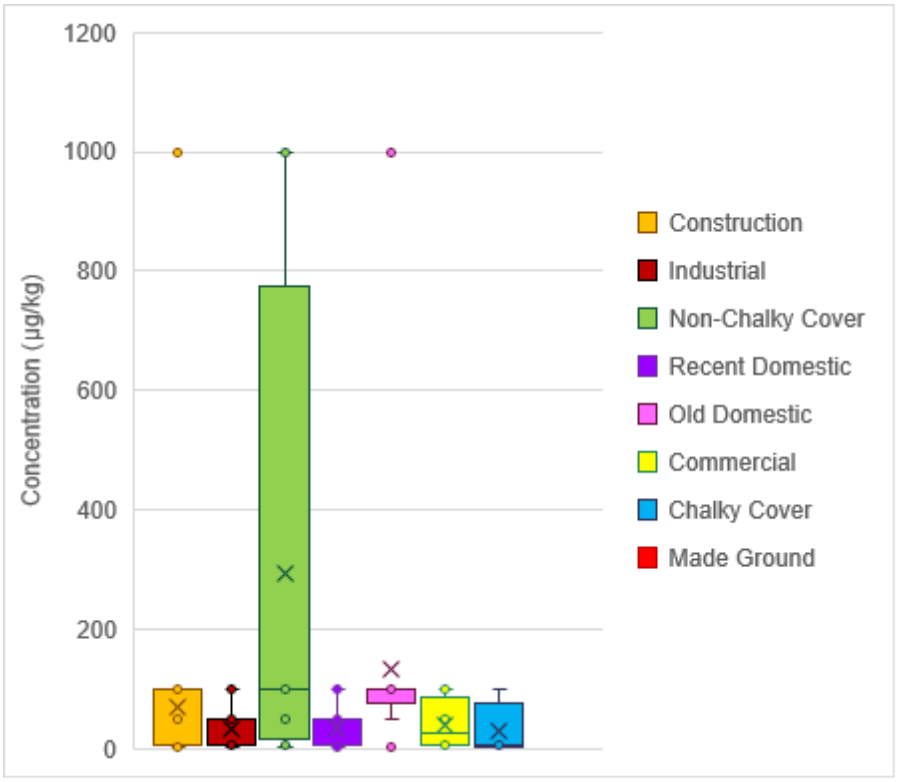

1970-1980
Concentration (µg/kg)
1400
1200
1000
800
600
400
200
0
Construction
Industrial
Non-Chalky Cover
Recent Domestic
Old Domestic
Commercial
Chalky Cover
Made Ground

D25 1-2 Dichloroethane

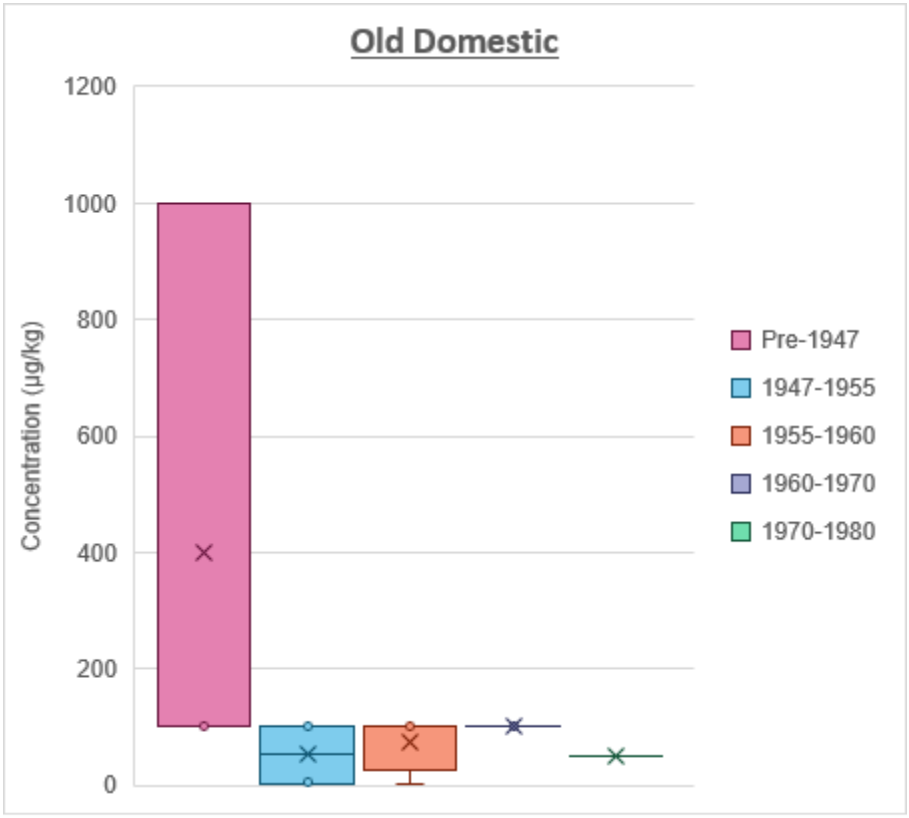
D25.1 Concentration by Era

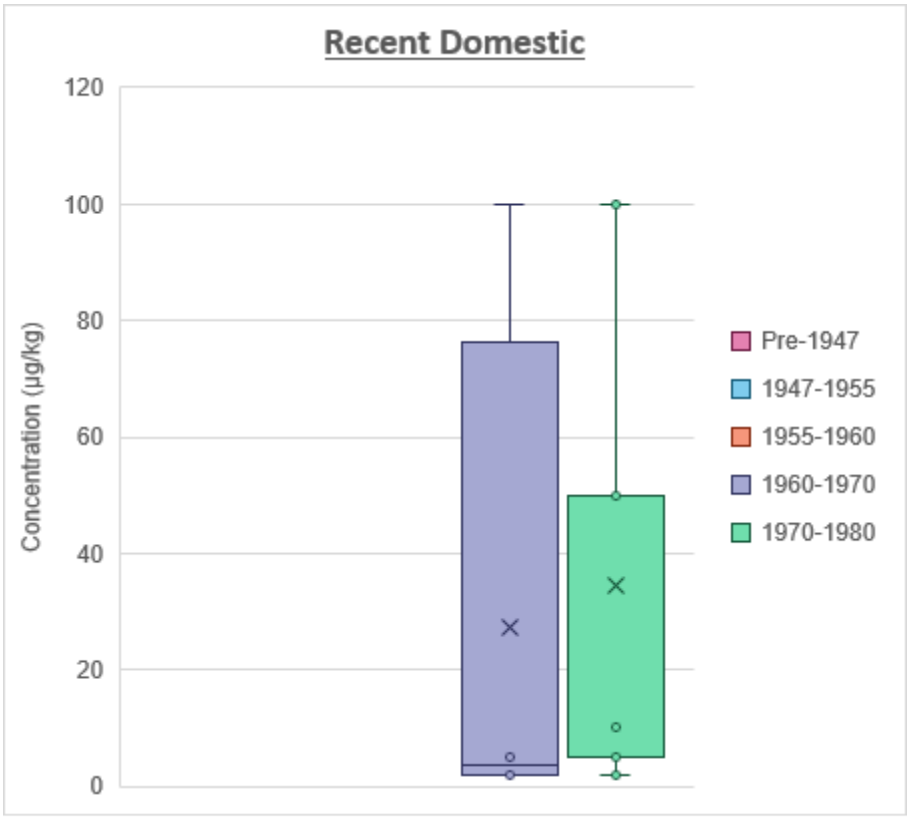


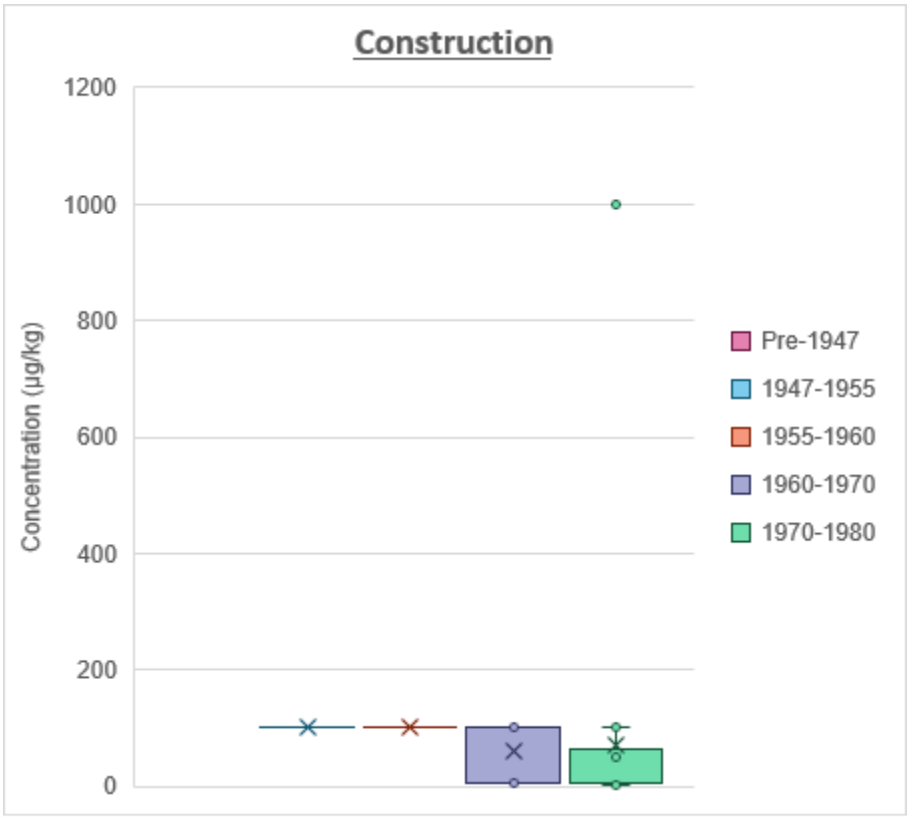
D25.2 Concentration by Waste Type

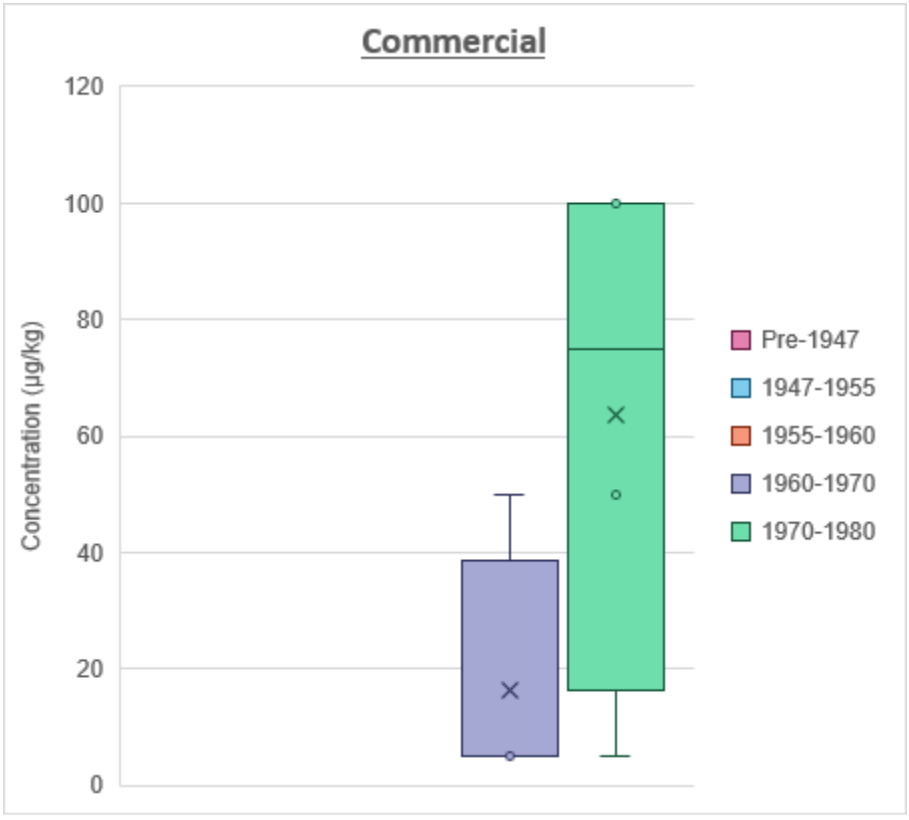


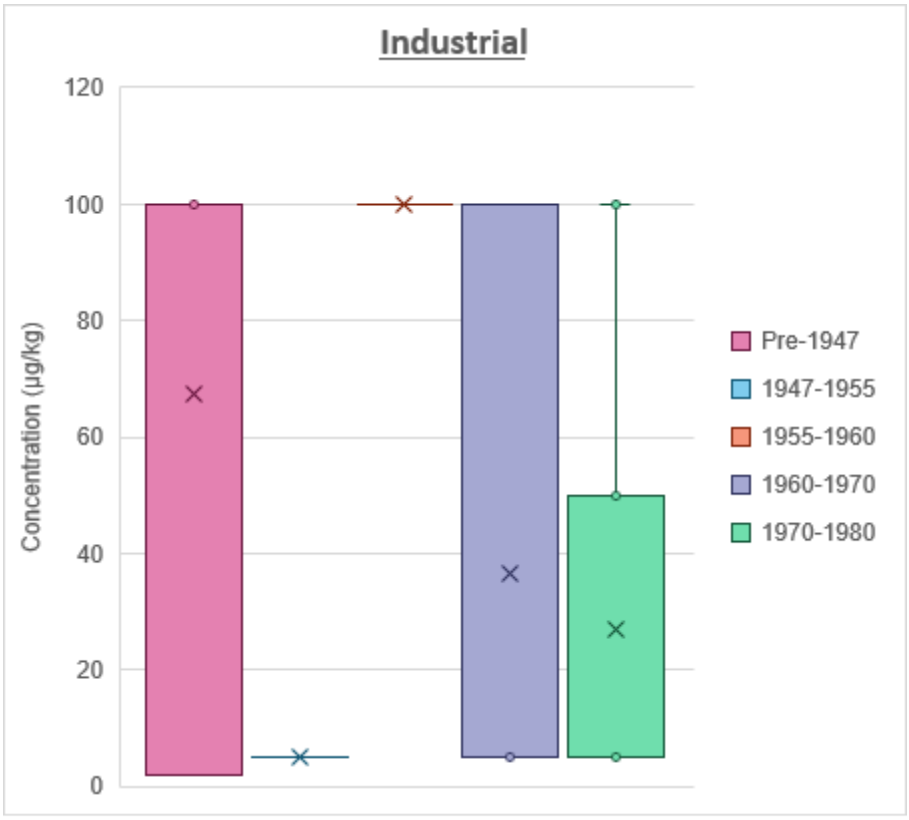
D25.3 Concentration by Waste Type and Era

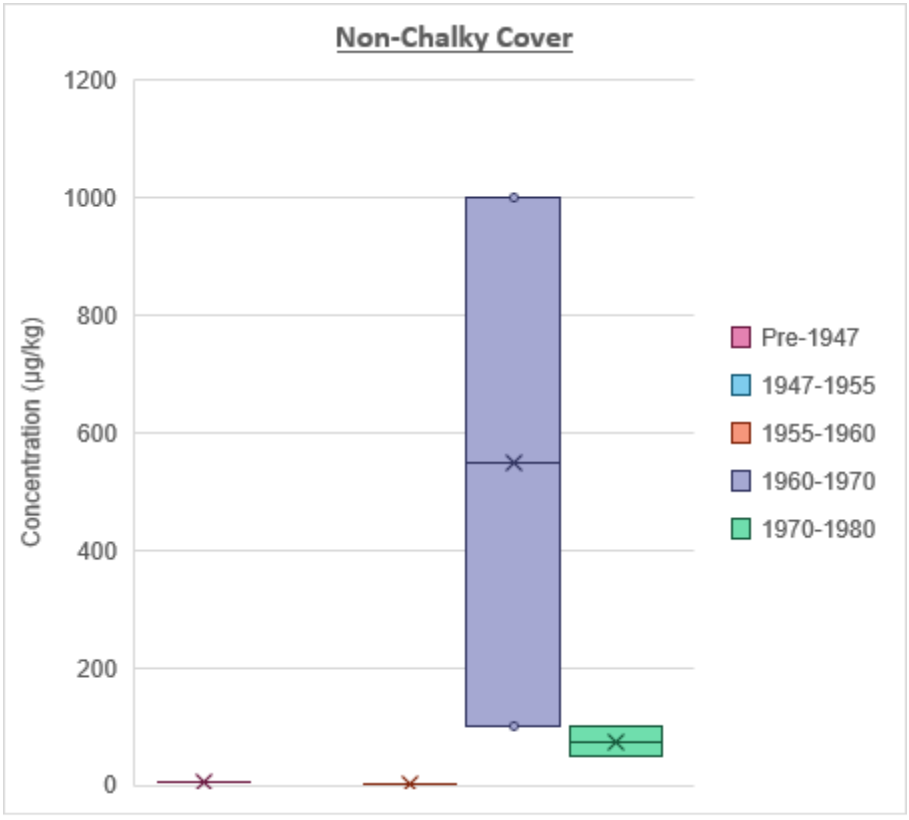


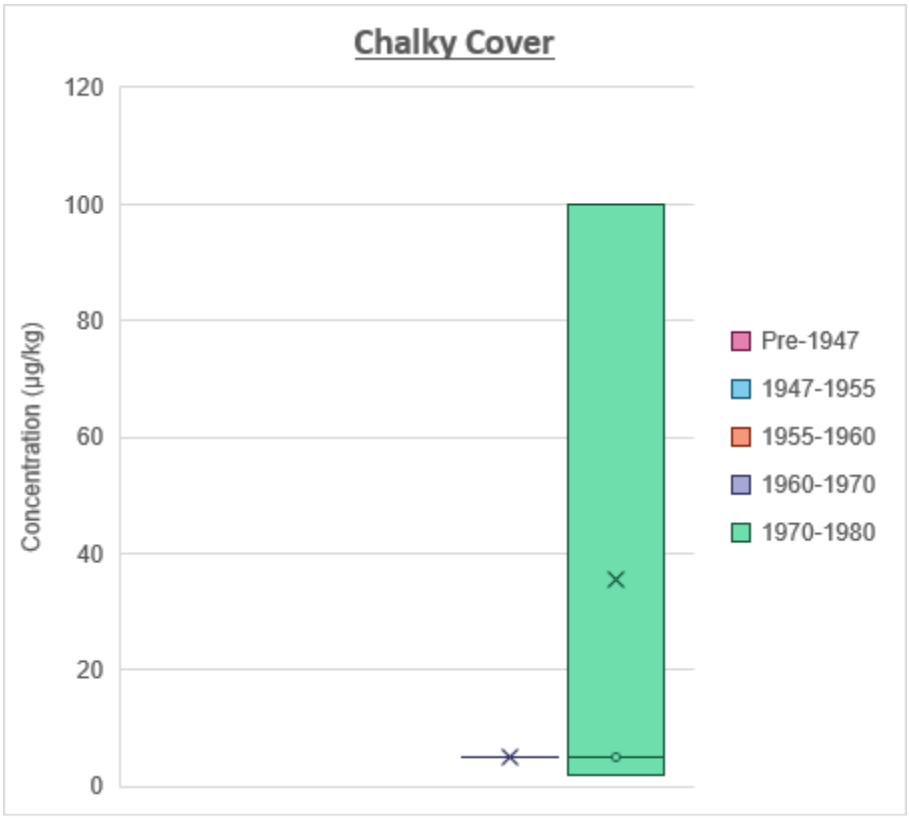



Construction
1200
1000
800
600
400
200
0
Concentration (µg/kg)
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

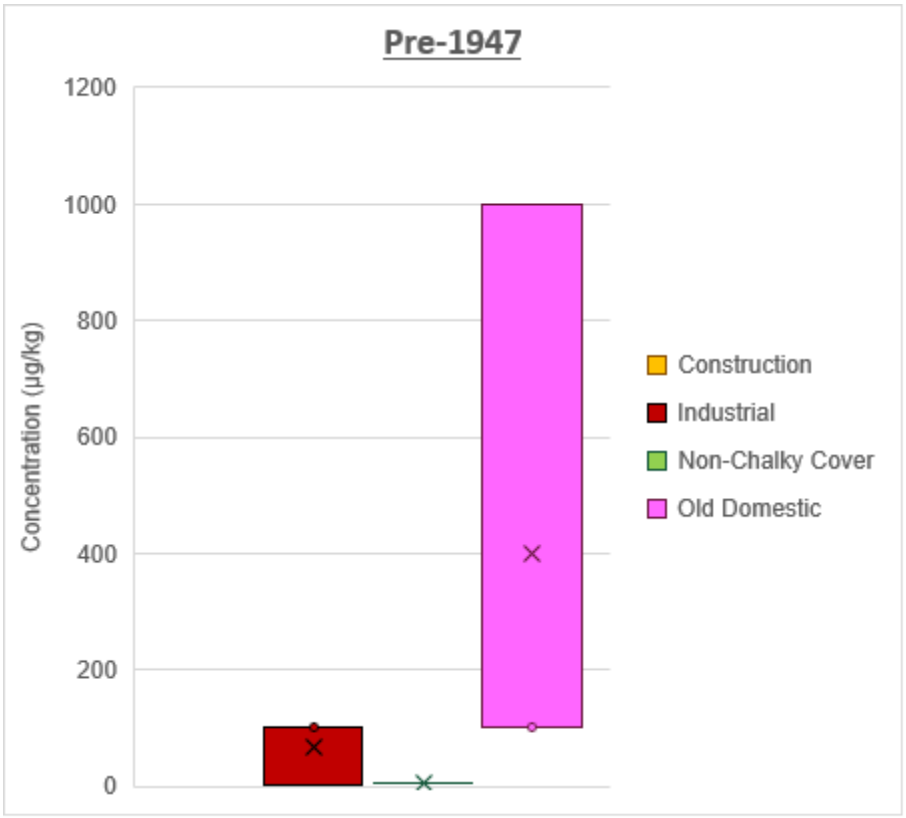

Commercial
120
100
80
60
40
20
0
Concentration (µg/kg)
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

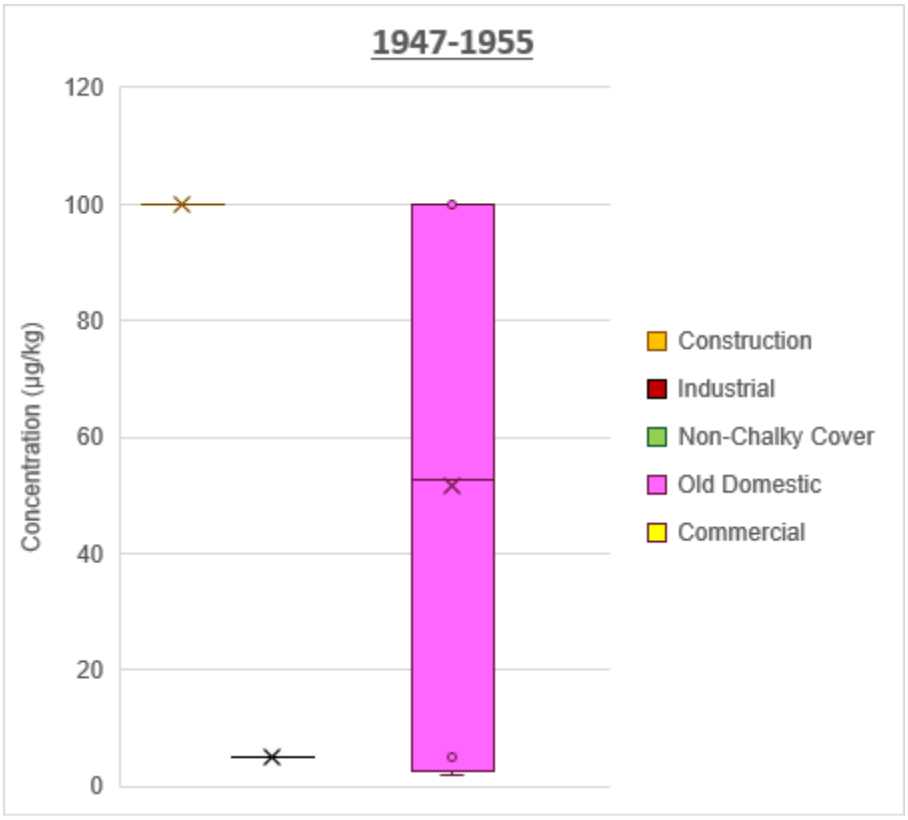

Industrial
120
100
80
60
40
20
0
Concentration (µg/kg)
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

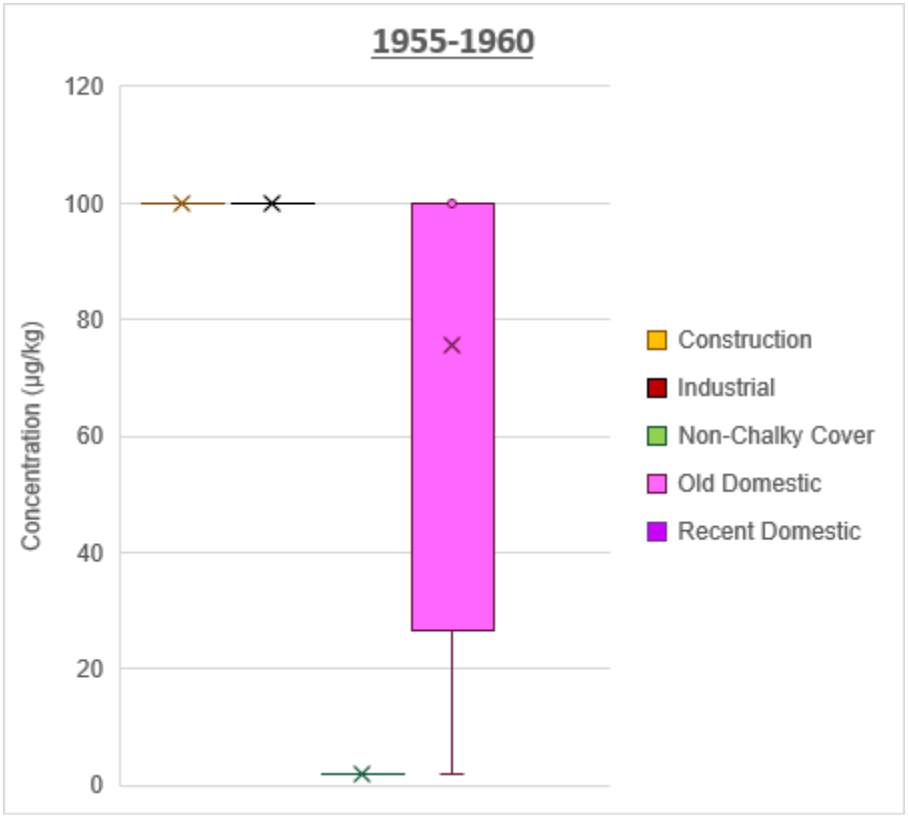

Non-Chalky Cover
1200
1000
800
600
400
200
0
Concentration (µg/kg)
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

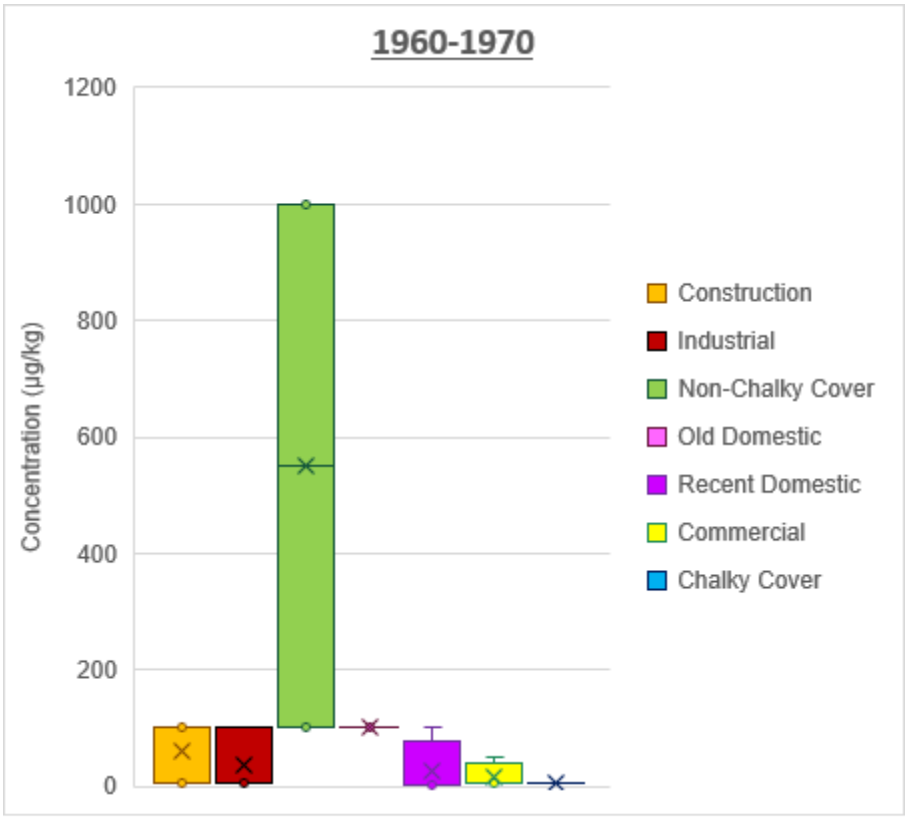


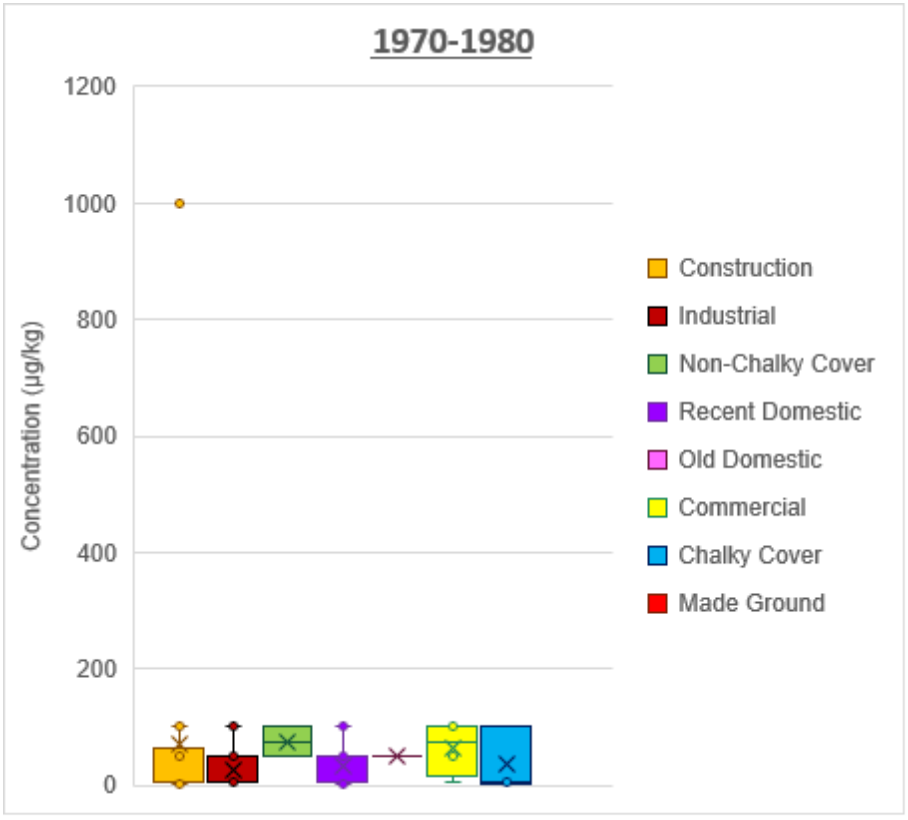
D25.4 Concentration by Era and Waste Type




1947-1955
120
100
80
60
40
20
0
Concentration (µg/kg)
Construction
Industrial
Non-Chalky Cover
Old Domestic
Commercial

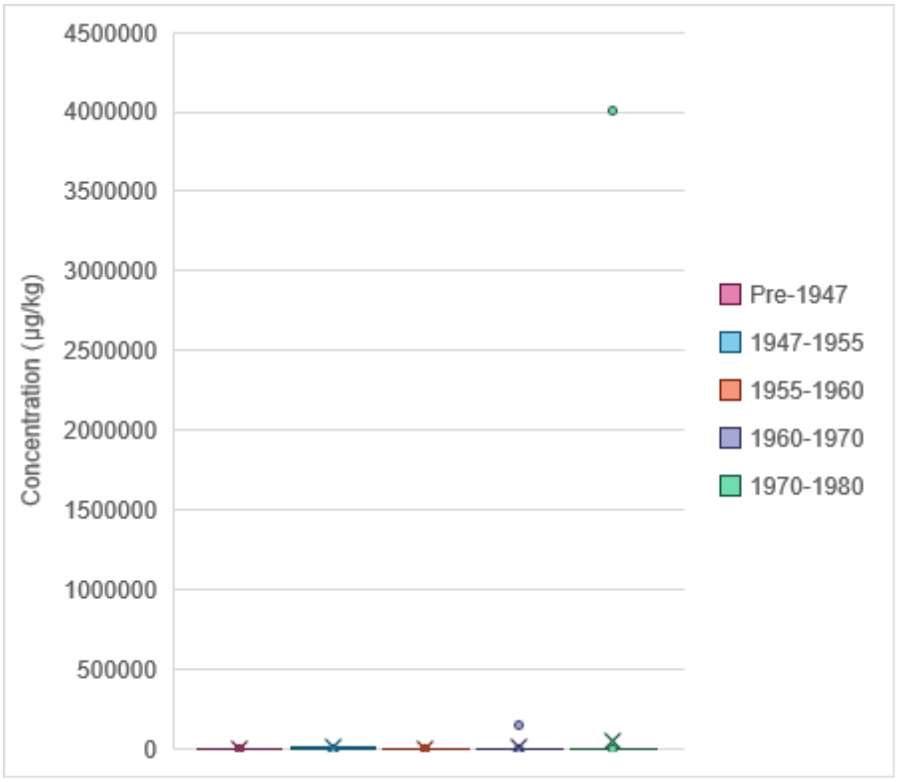

1955-1960
120
100
80
60
40
20
0
Concentration (µg/kg)
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic


1960-1970
Concentration (µg/kg)
1200
1000
800
600
400
200
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic
Commercial
Chalky Cover

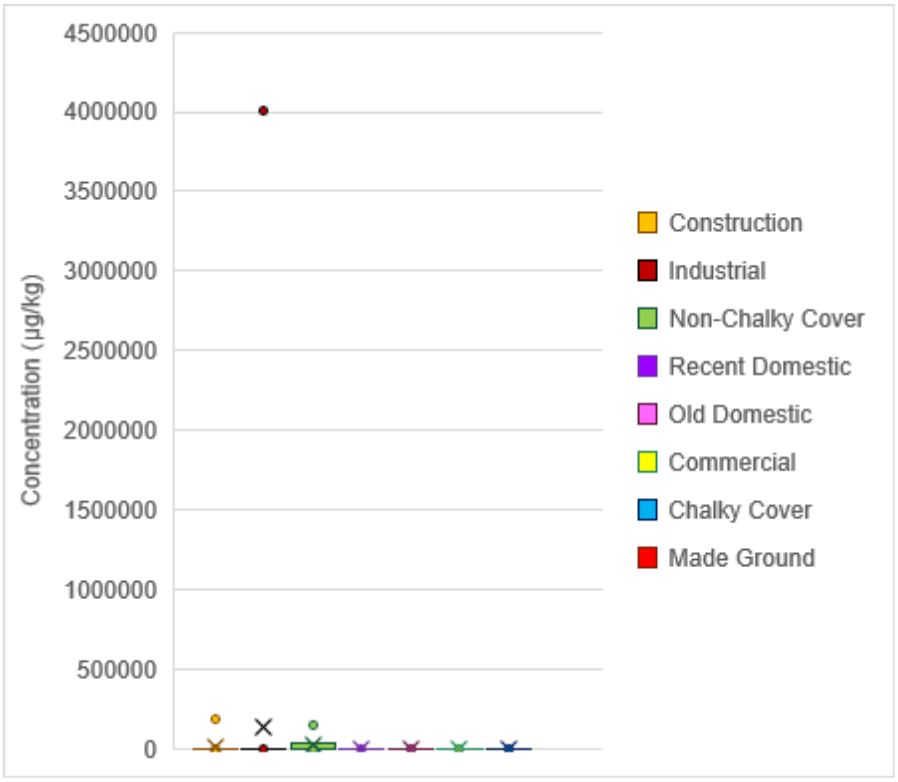

1970-1980
Concentration (µg/kg)
1200
1000
800
600
400
200
0
Construction
Industrial
Non-Chalky Cover
Recent Domestic
Old Domestic
Commercial
Chalky Cover
Made Ground

D26 1,3,5-Trimethylbenzene

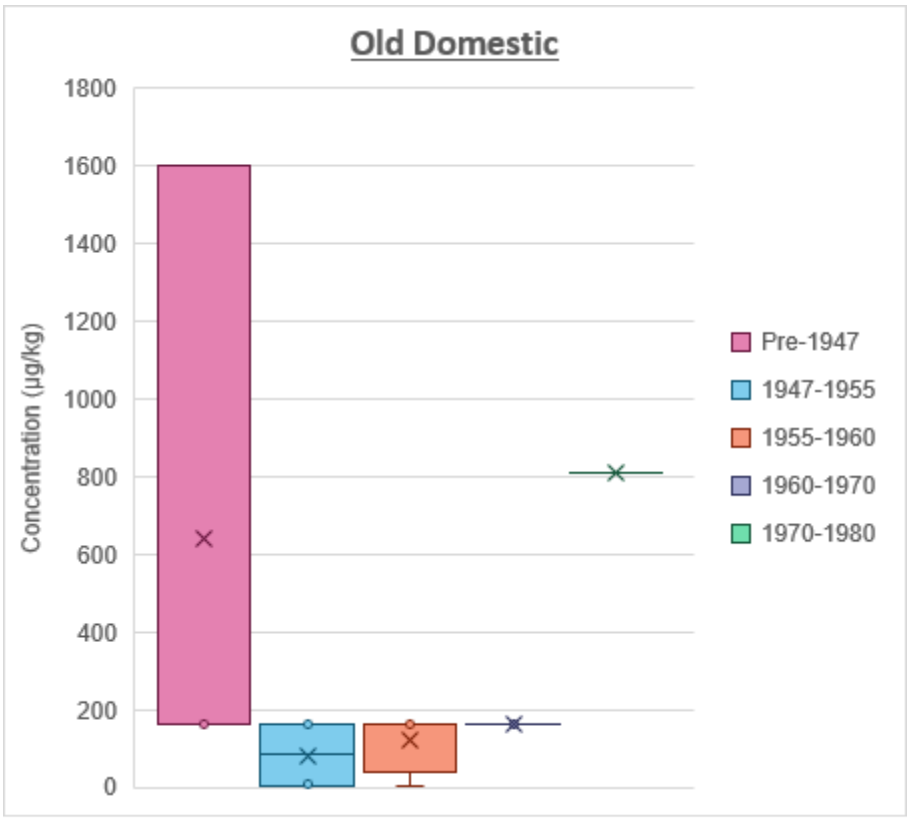
D26.1 Concentration by Era

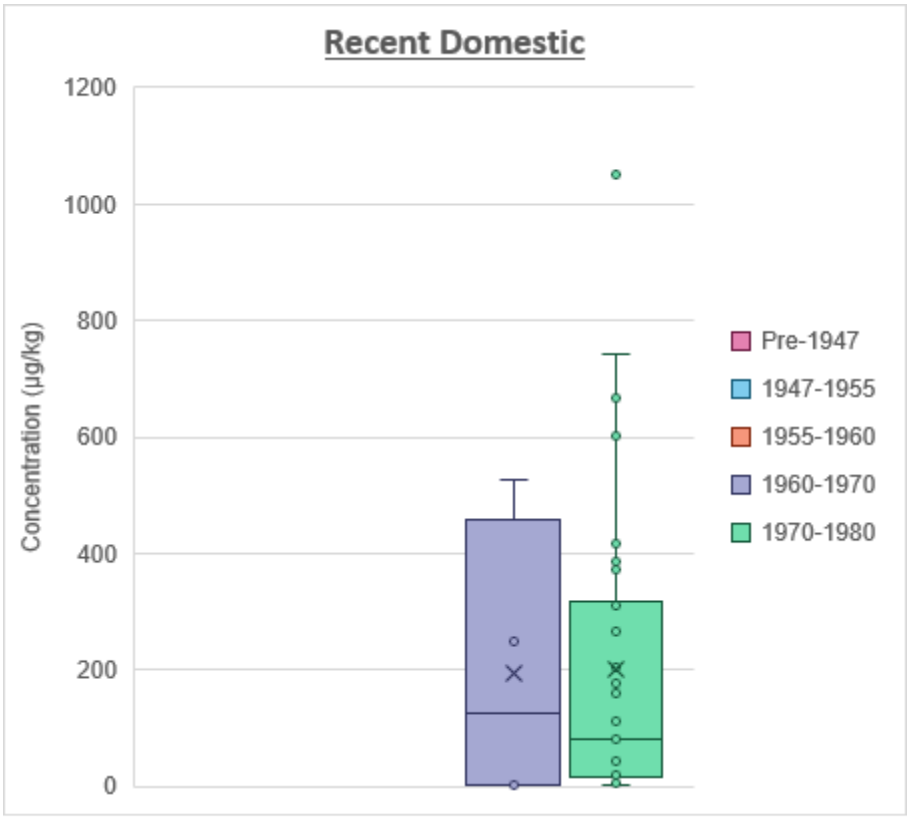


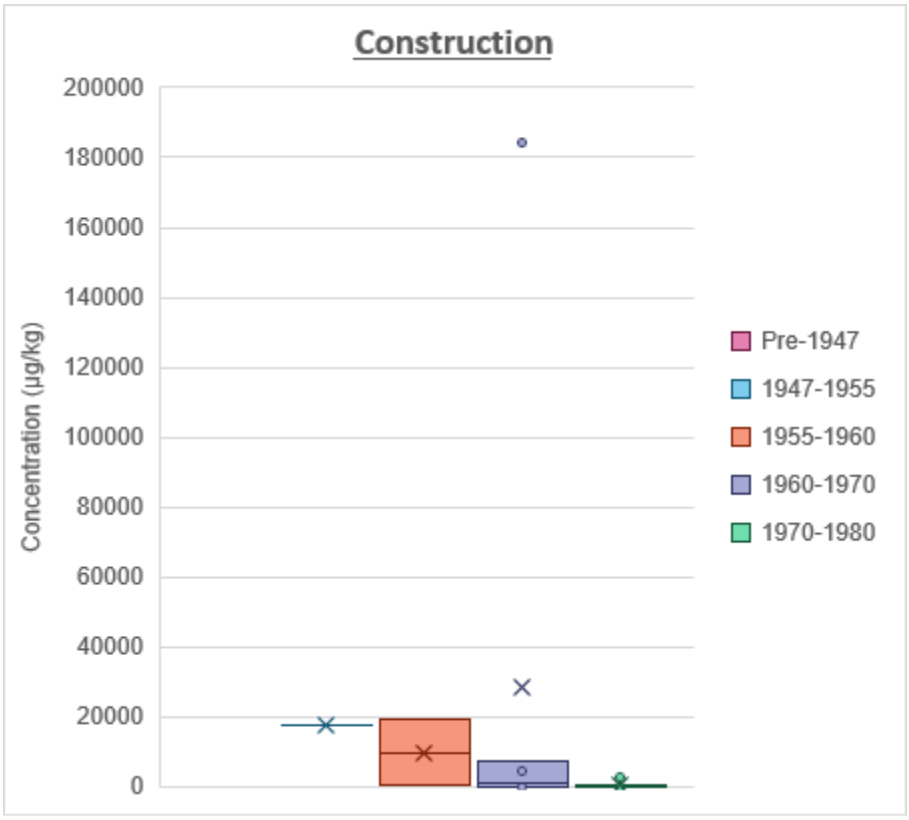
D26.2 Concentration by Waste Type

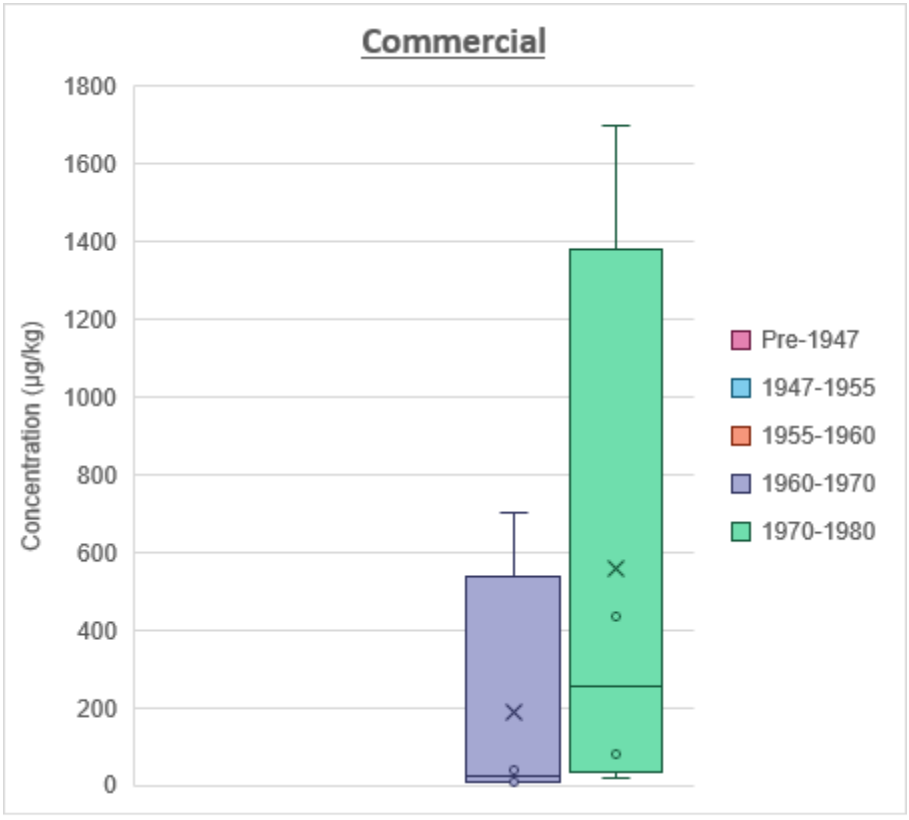


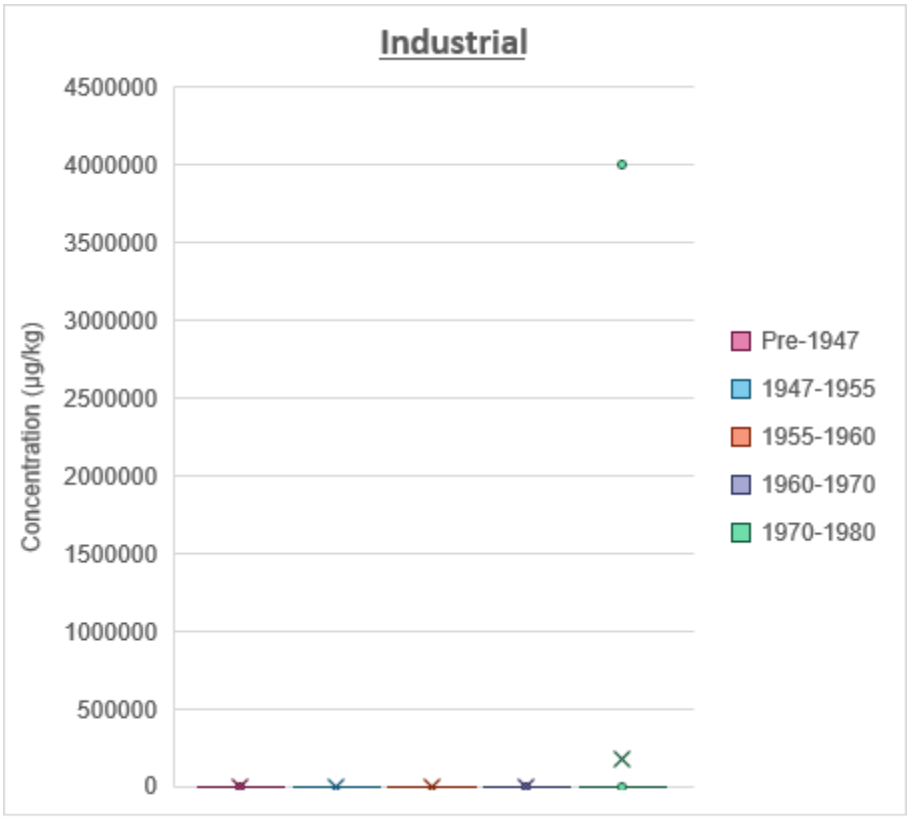
D26.3 Concentration by Waste Type and Era

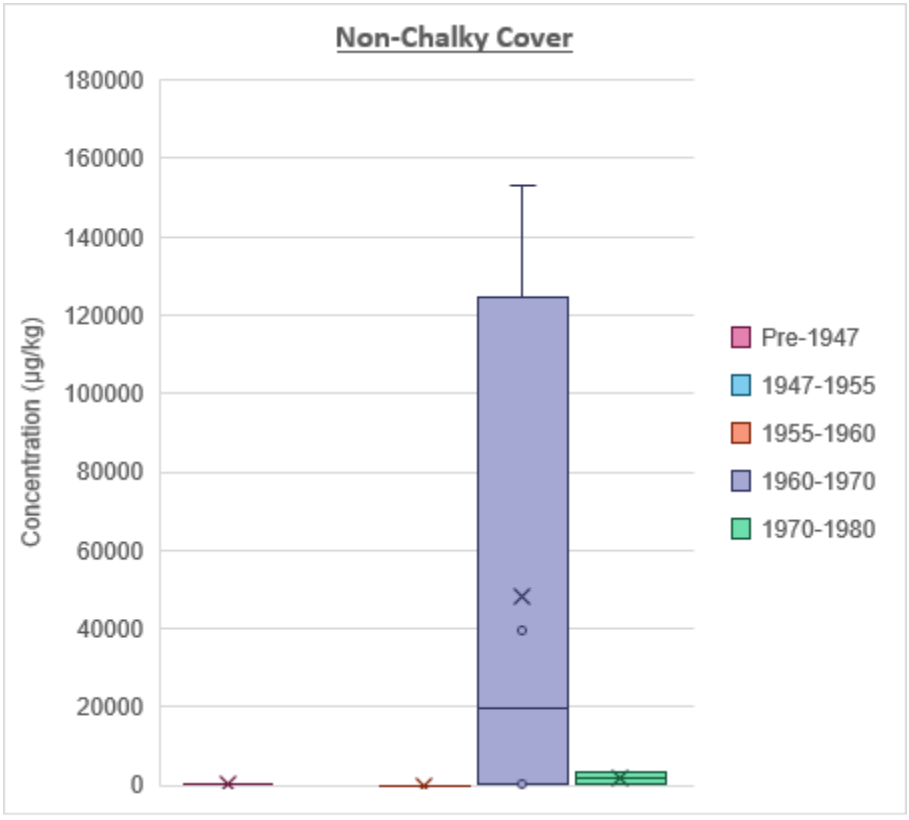


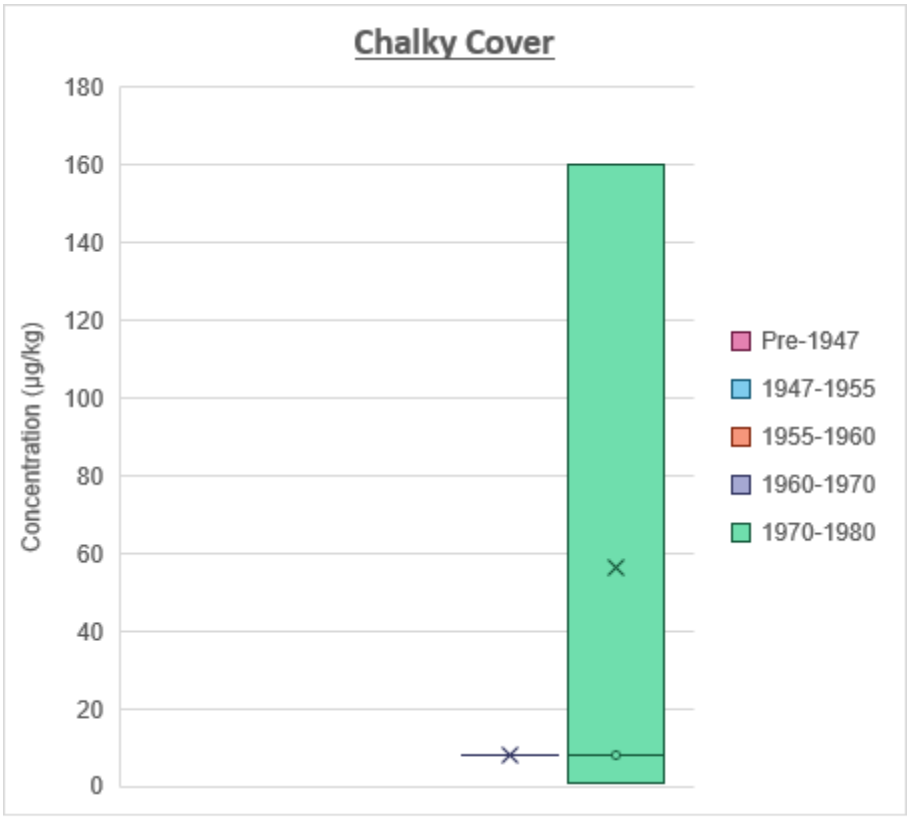



Construction
Concentration (µg/kg)
200000
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

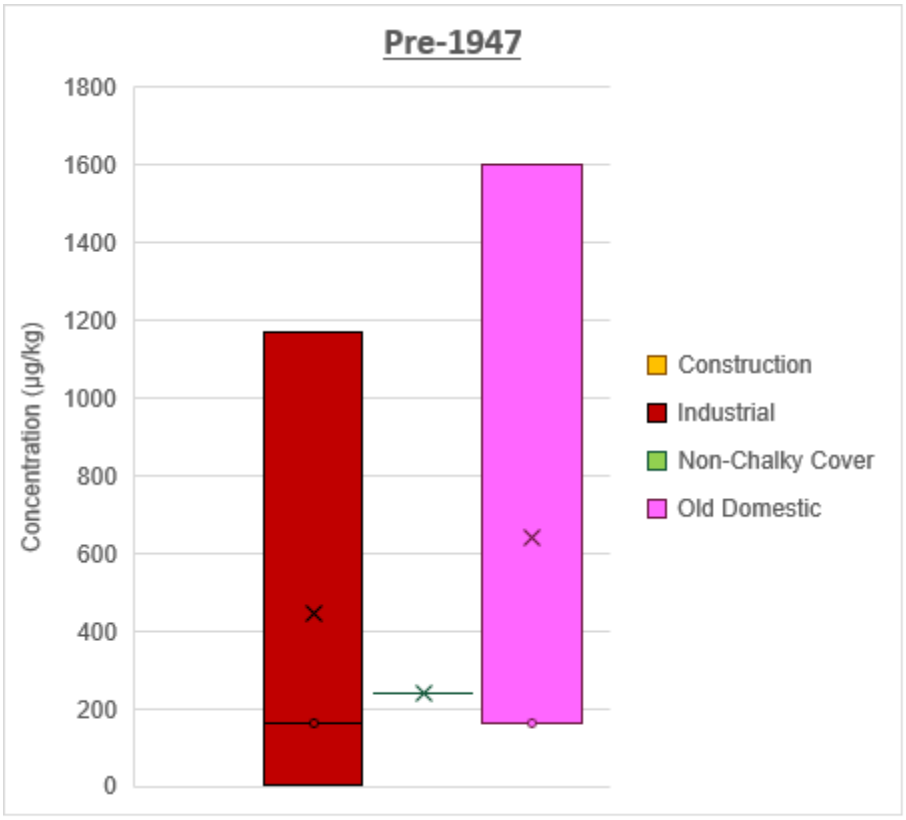

Commercial
Concentration (µg/kg)
1800
1600
1400
1200
1000
800
600
400
200
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

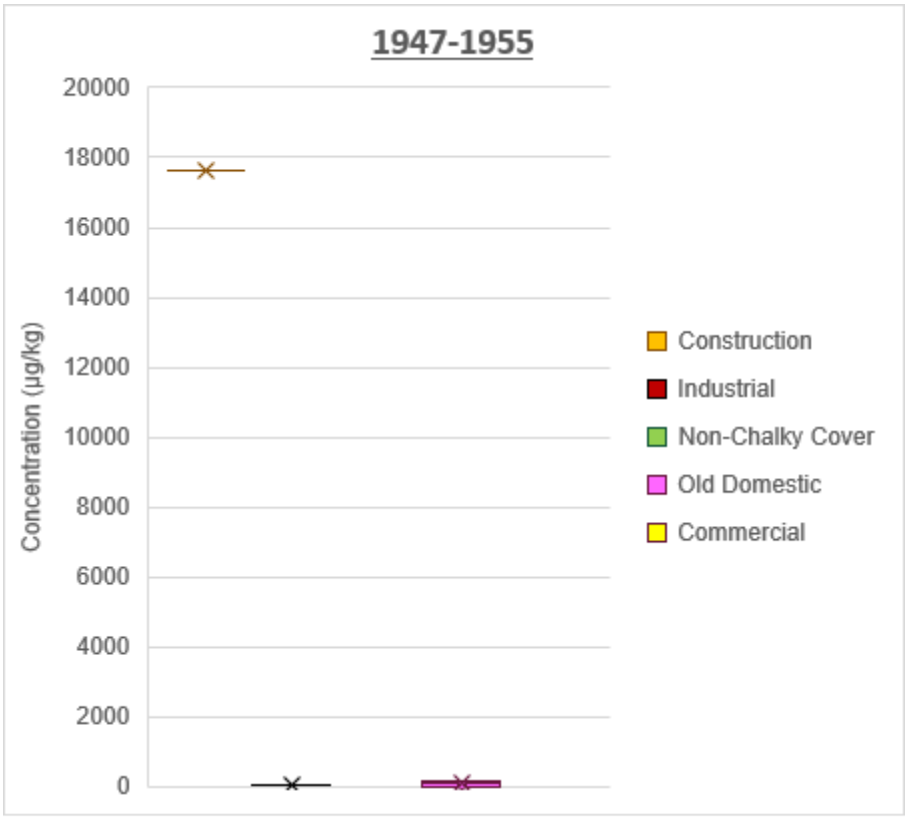

Industrial
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
Concentration (µg/kg)
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

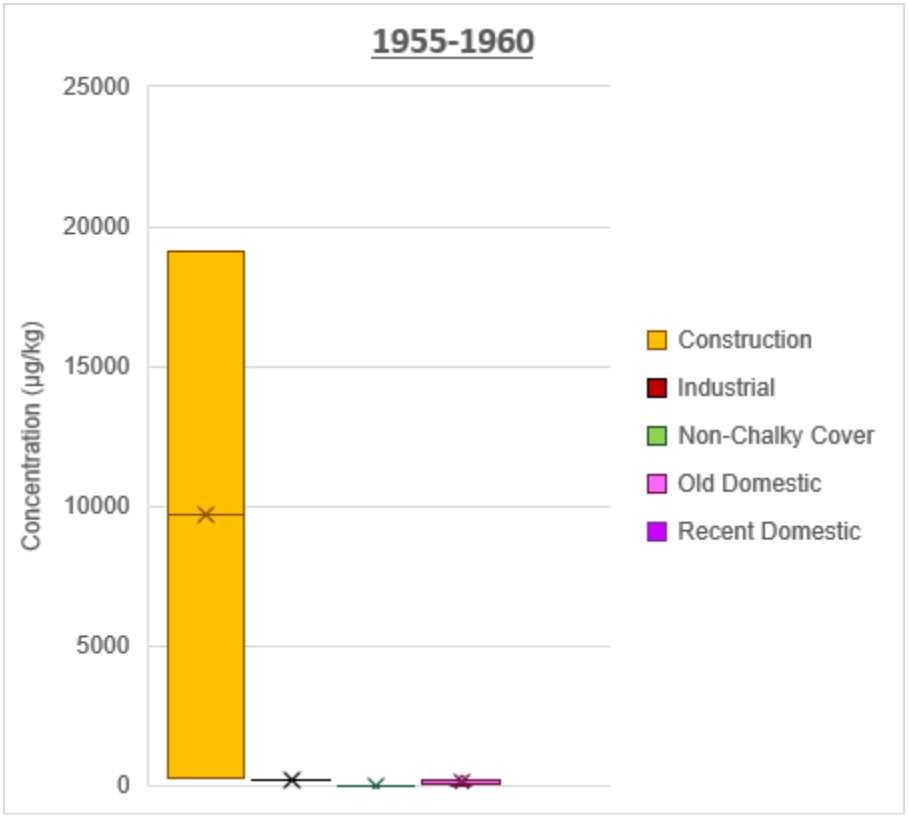

Non-Chalky Cover
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
Concentration (µg/kg)
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

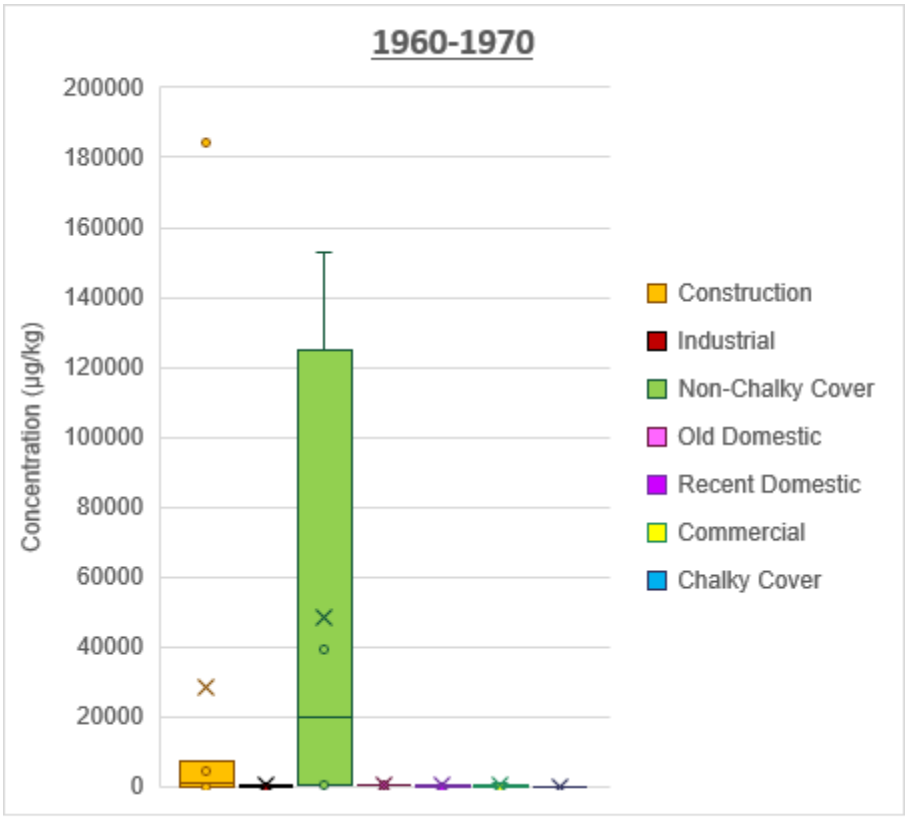


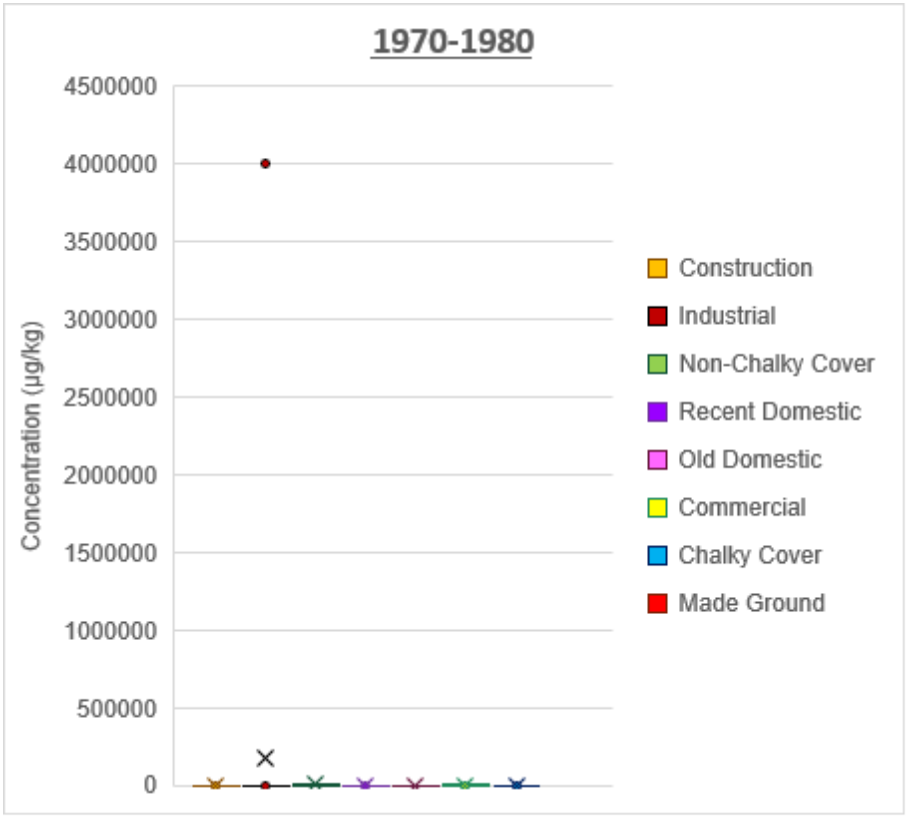
D26.4 Concentration by Era and Waste Type




1947-1955
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Concentration (µg/kg)
Construction
Industrial
Non-Chalky Cover
Old Domestic
Commercial

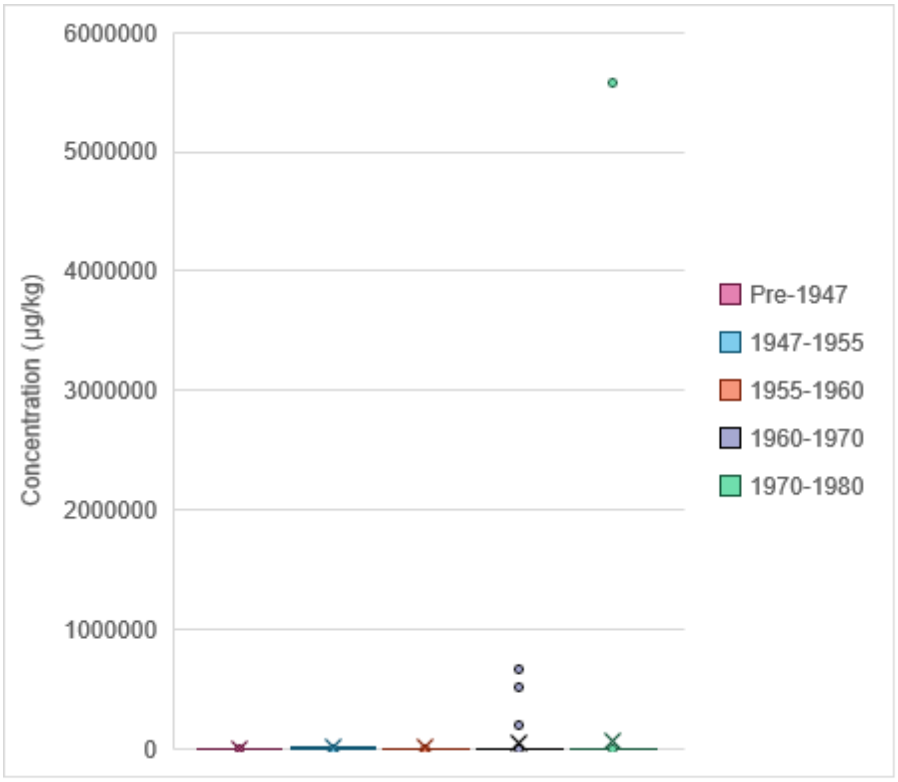

1955-1960
25000
20000
15000
10000
5000
0
Concentration (µg/kg)
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic


1960-1970
Concentration (µg/kg)
200000
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic
Commercial
Chalky Cover

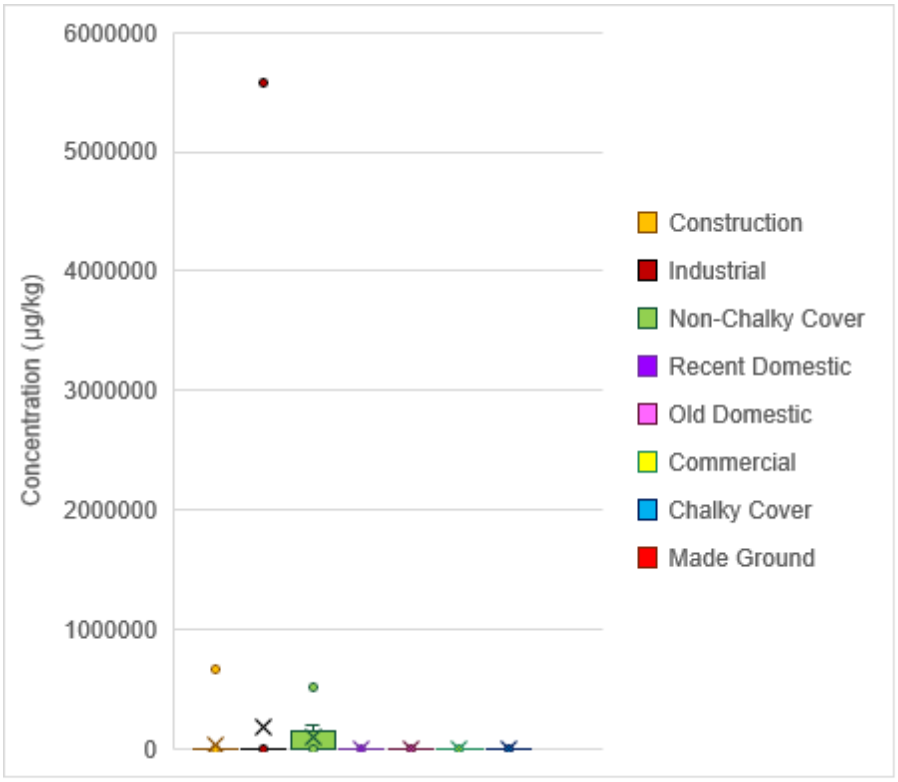

1970-1980
Concentration (µg/kg)
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
Construction
Industrial
Non-Chalky Cover
Recent Domestic
Old Domestic
Commercial
Chalky Cover
Made Ground

D27 1,2,4-Trimethylbenzene

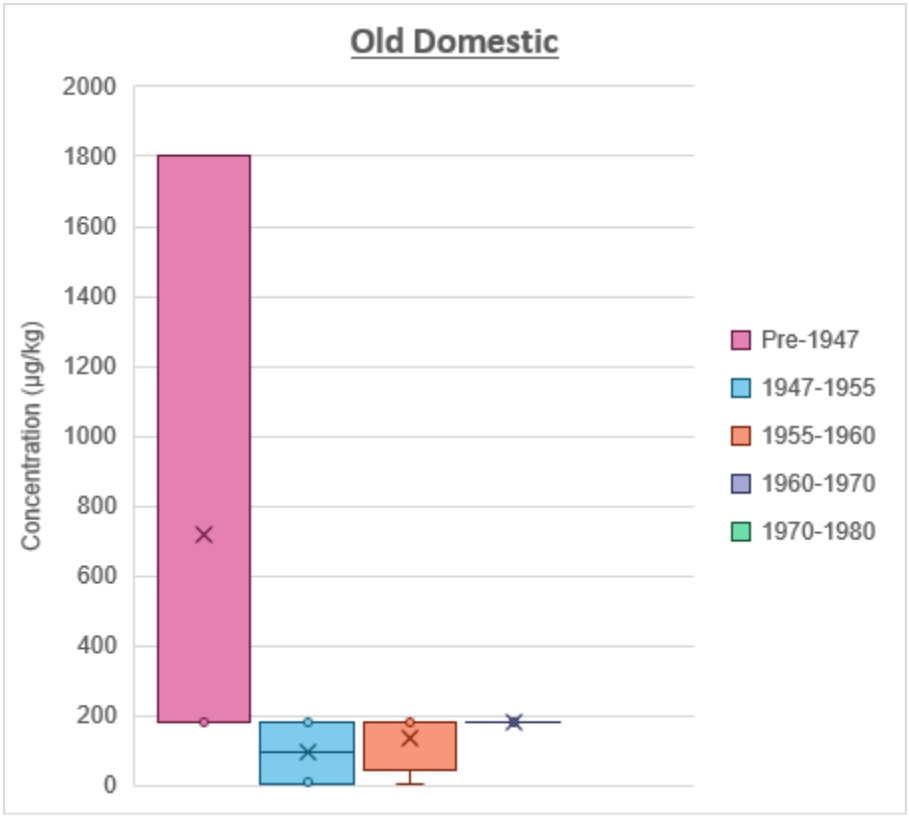
D27.1 Concentration by Era

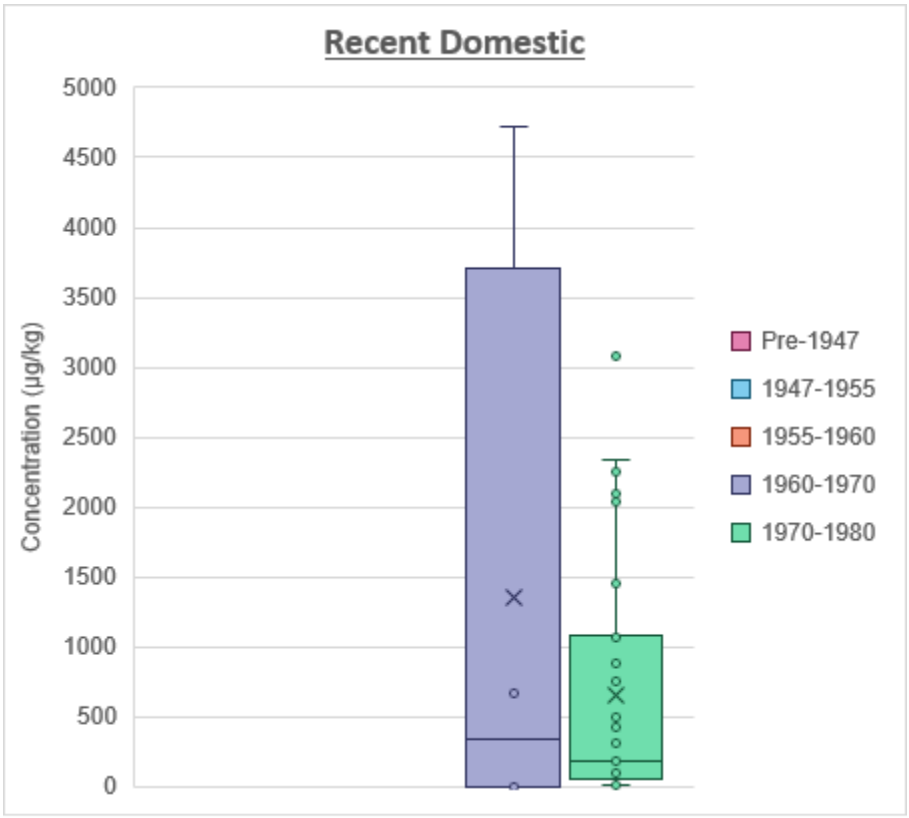


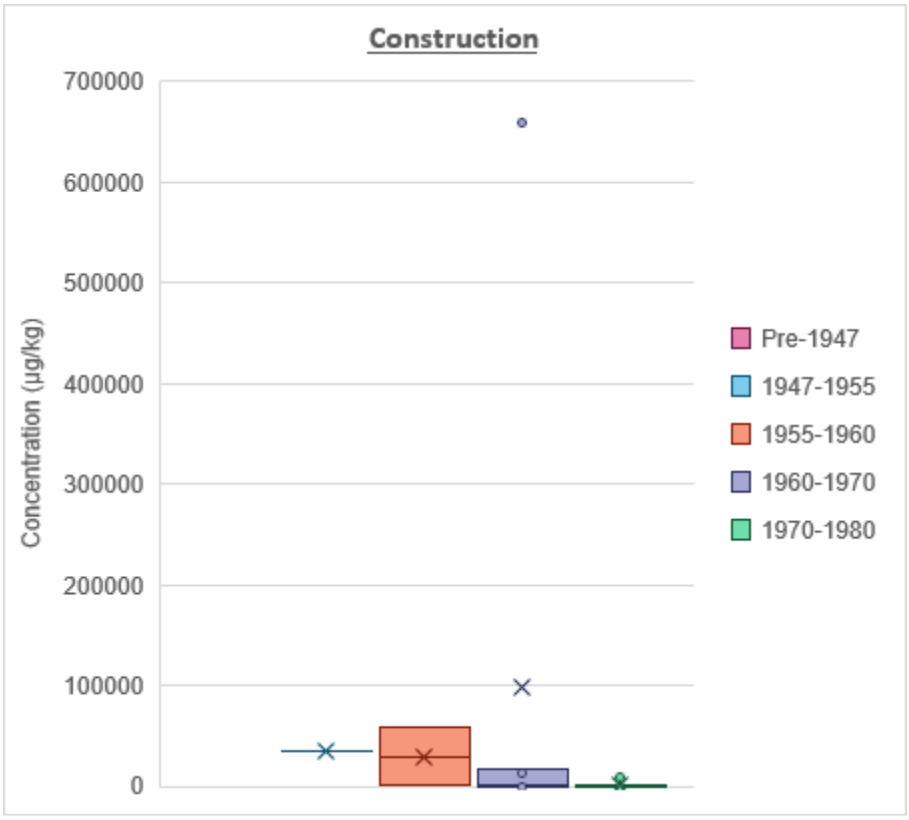
D27.2 Concentration by Waste Type

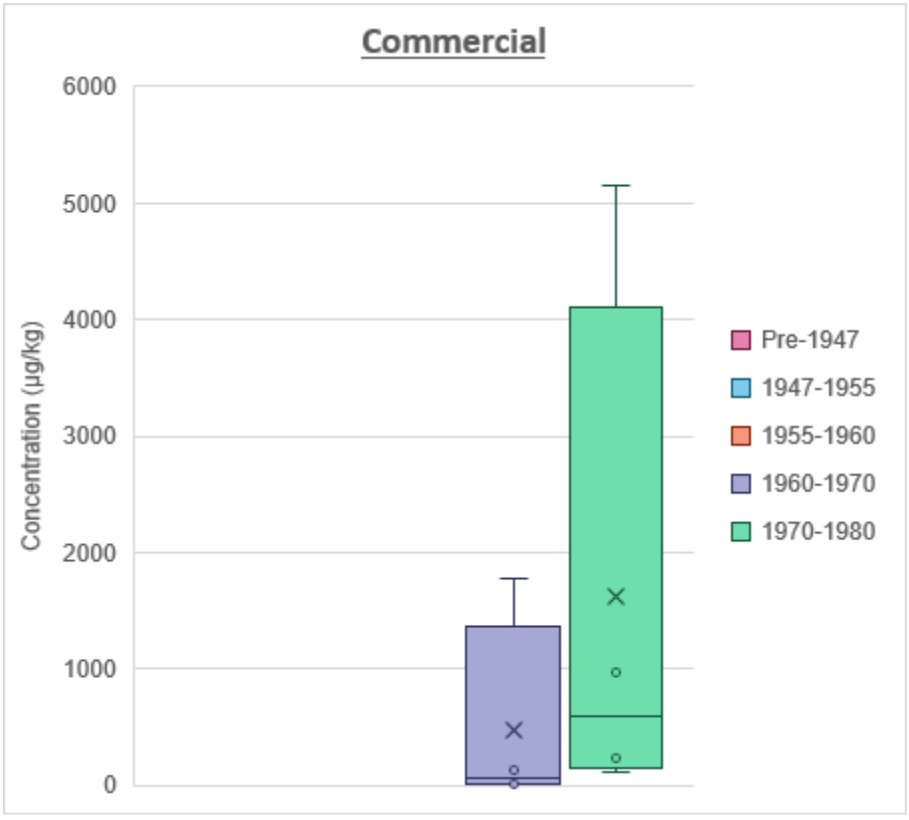


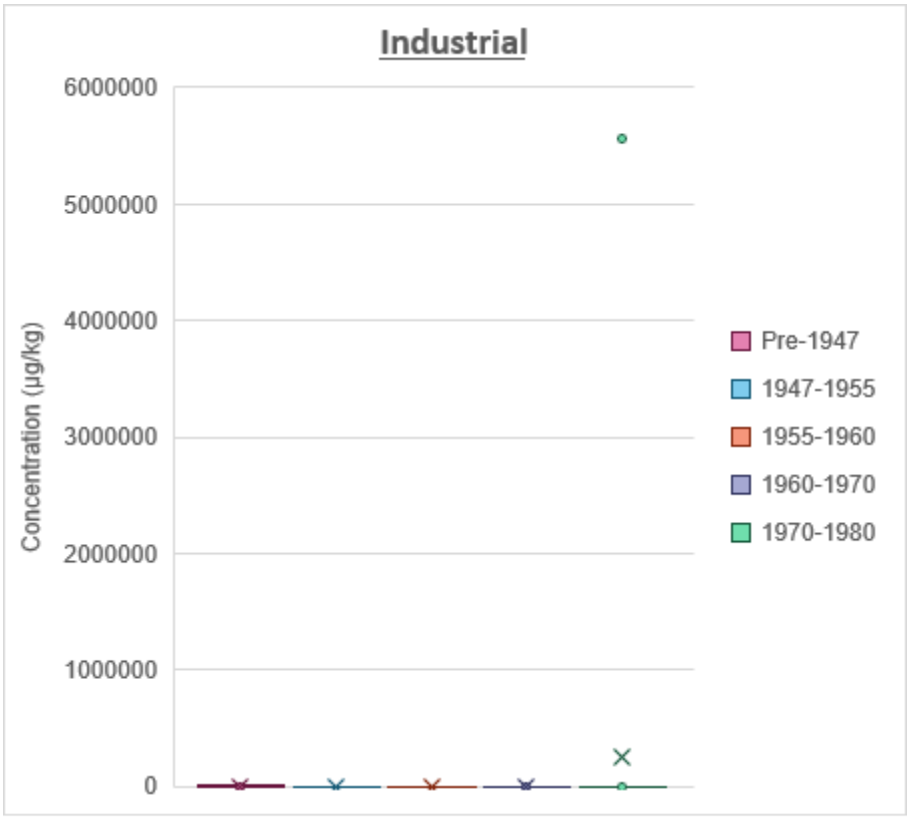
D27.3 Concentration by Waste Type and Era

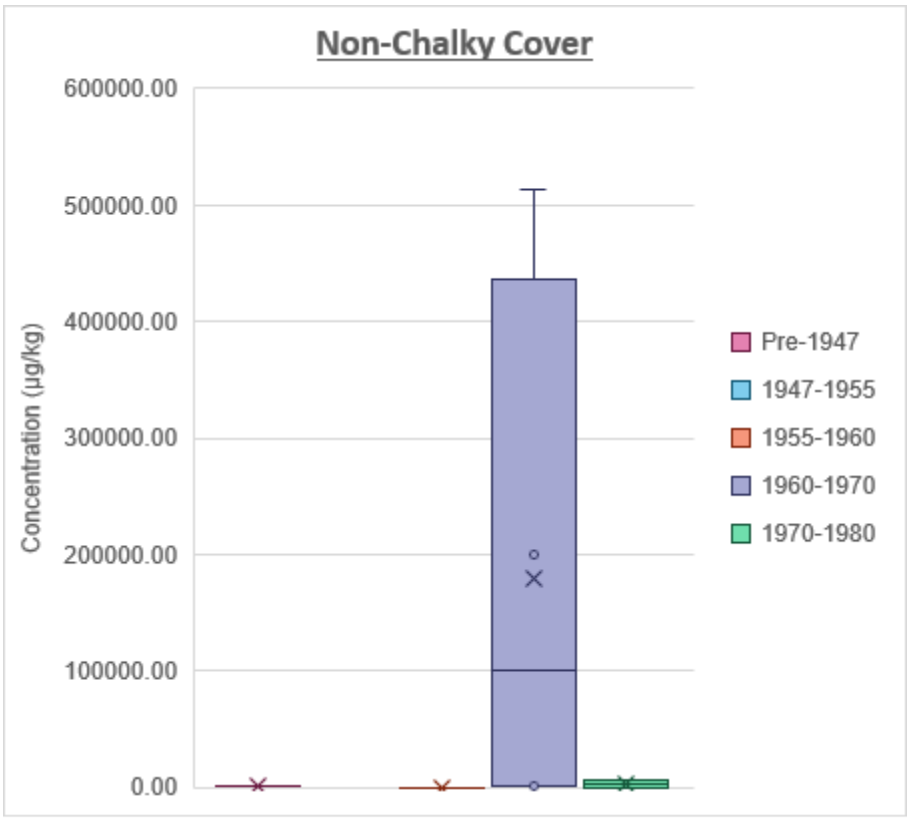


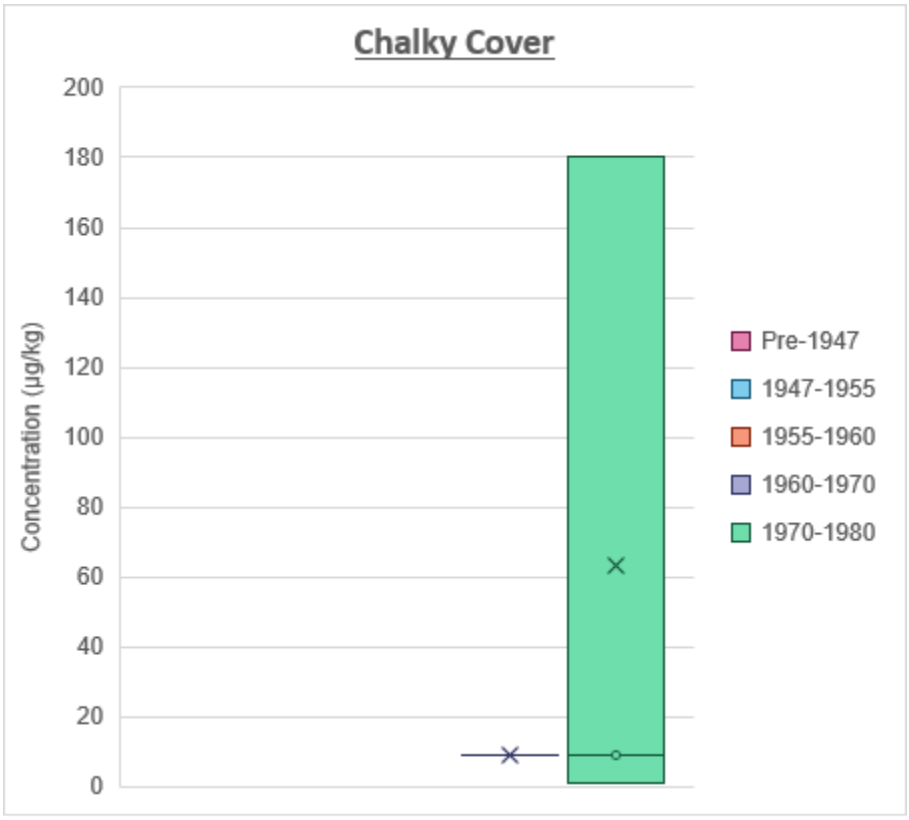



Construction
700000
600000
500000
400000
300000
200000
100000
0
Concentration (µg/kg)
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

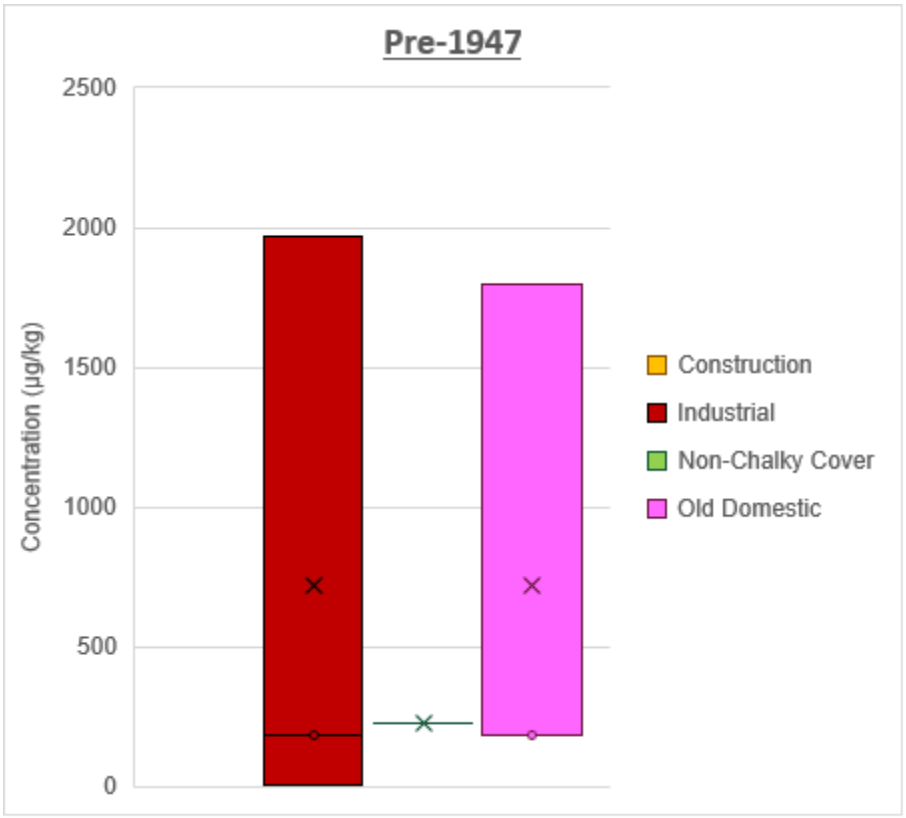

Commercial
6000
5000
4000
3000
2000
1000
0
Concentration (µg/kg)
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

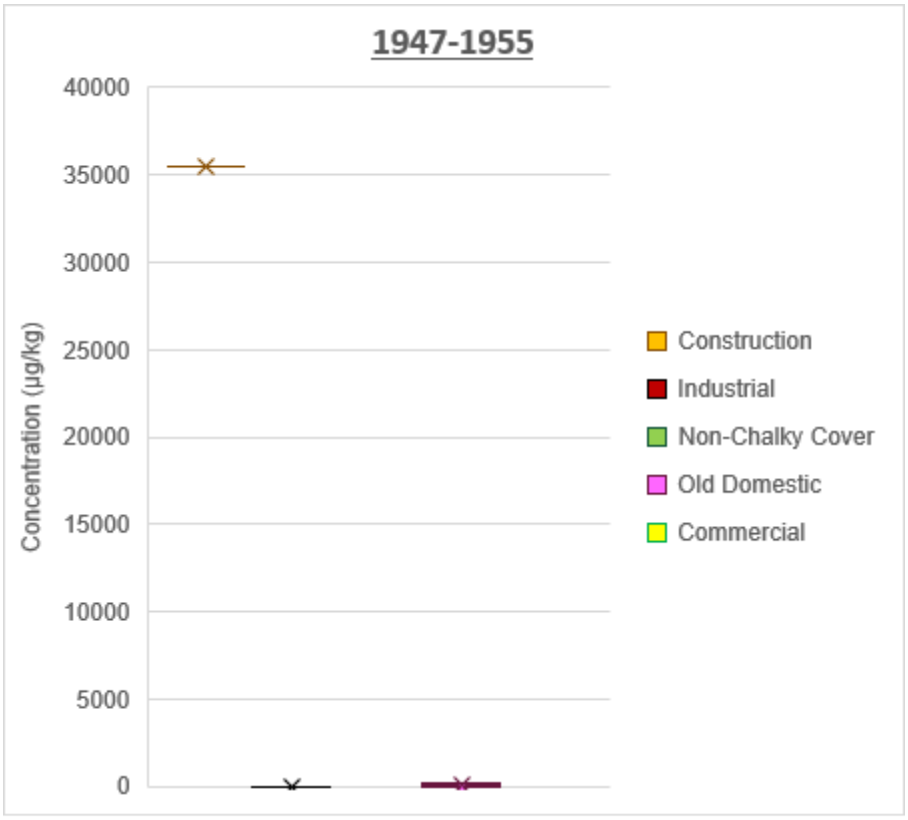

Industrial
6000000
5000000
4000000
3000000
2000000
1000000
0
Concentration (µg/kg)
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

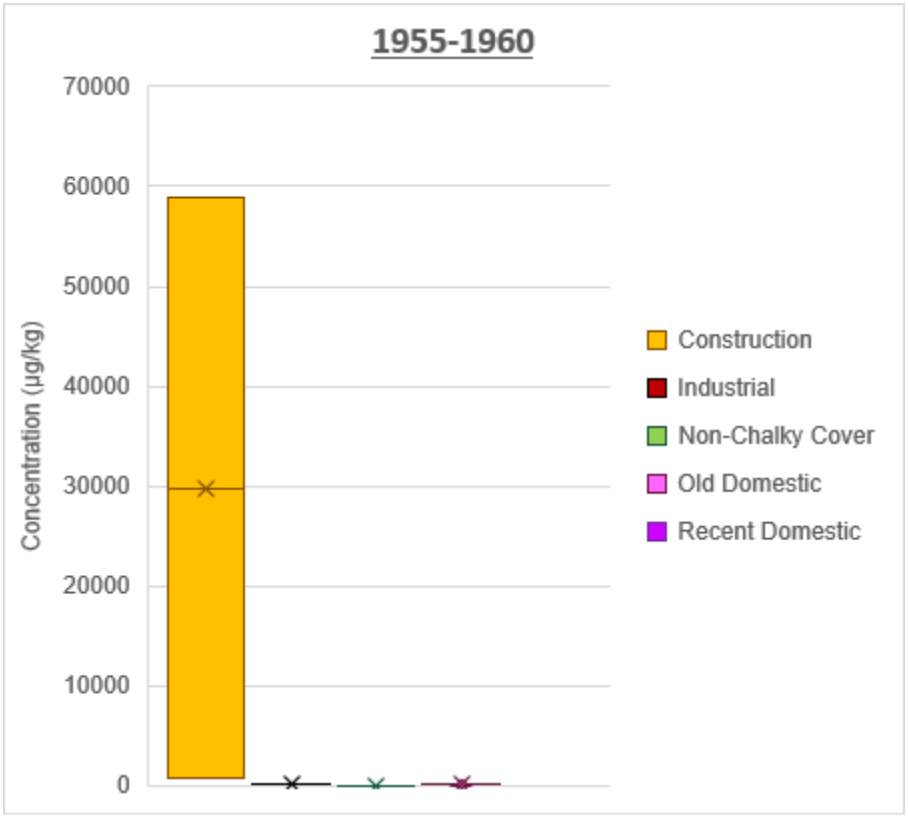

Non-Chalky Cover
600000.00
500000.00
400000.00
300000.00
200000.00
100000.00
0.00
Concentration (µg/kg)
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

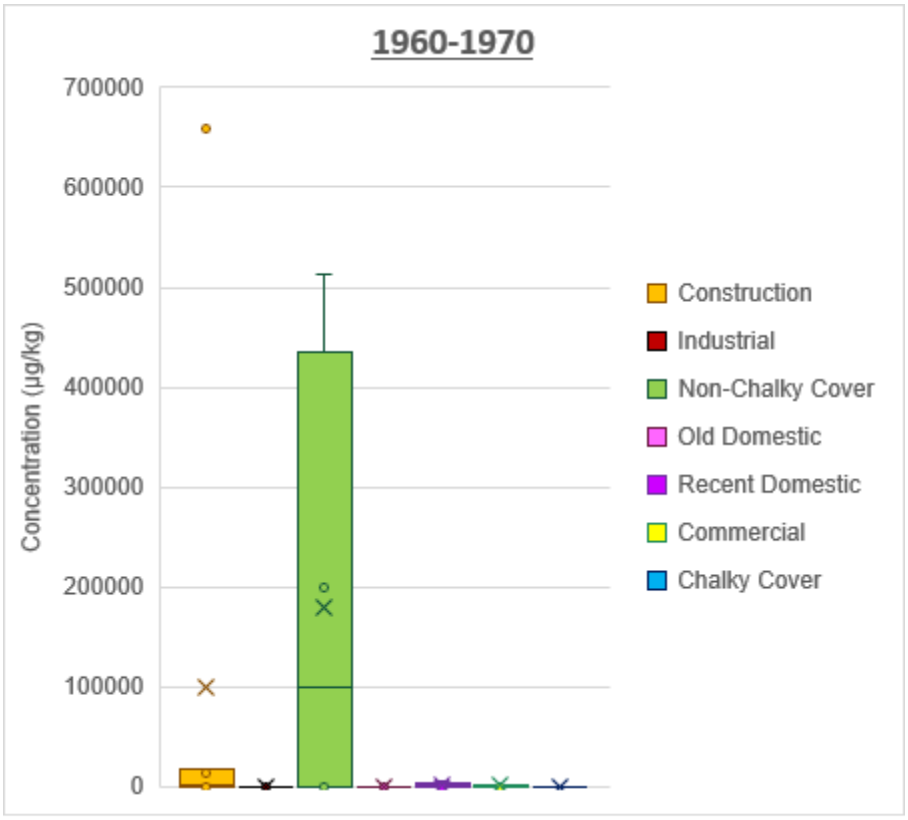


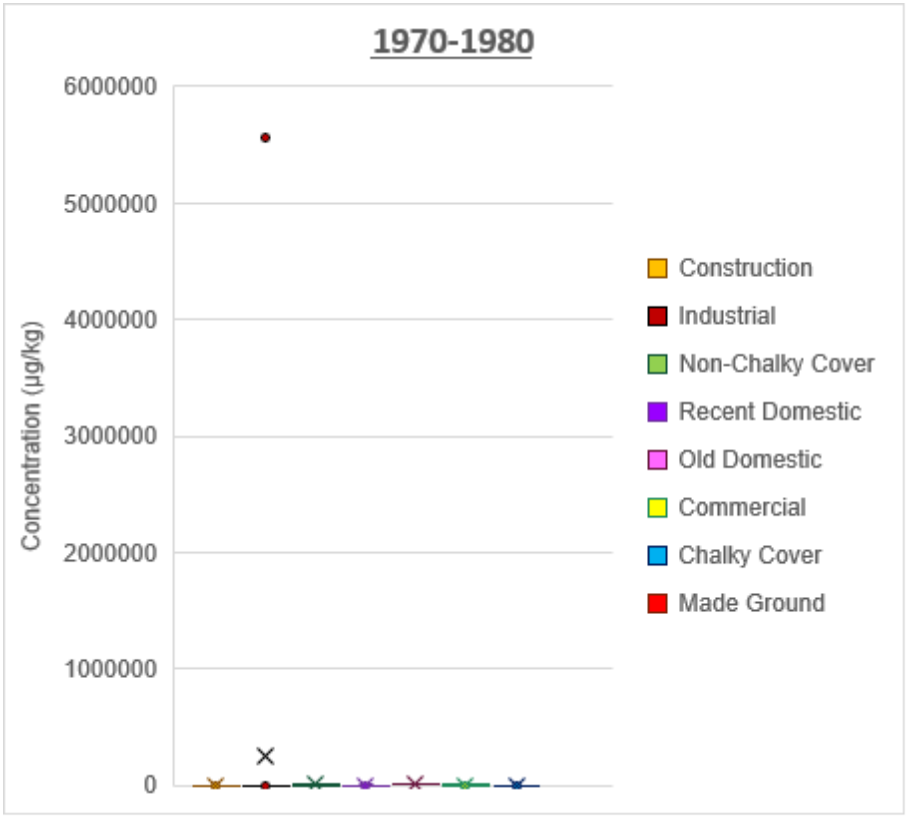
D27.4 Concentration by Era and Waste Type




1947-1955
40000
35000
30000
25000
20000
15000
10000
5000
0
Concentration (µg/kg)
Construction
Industrial
Non-Chalky Cover
Old Domestic
Commercial

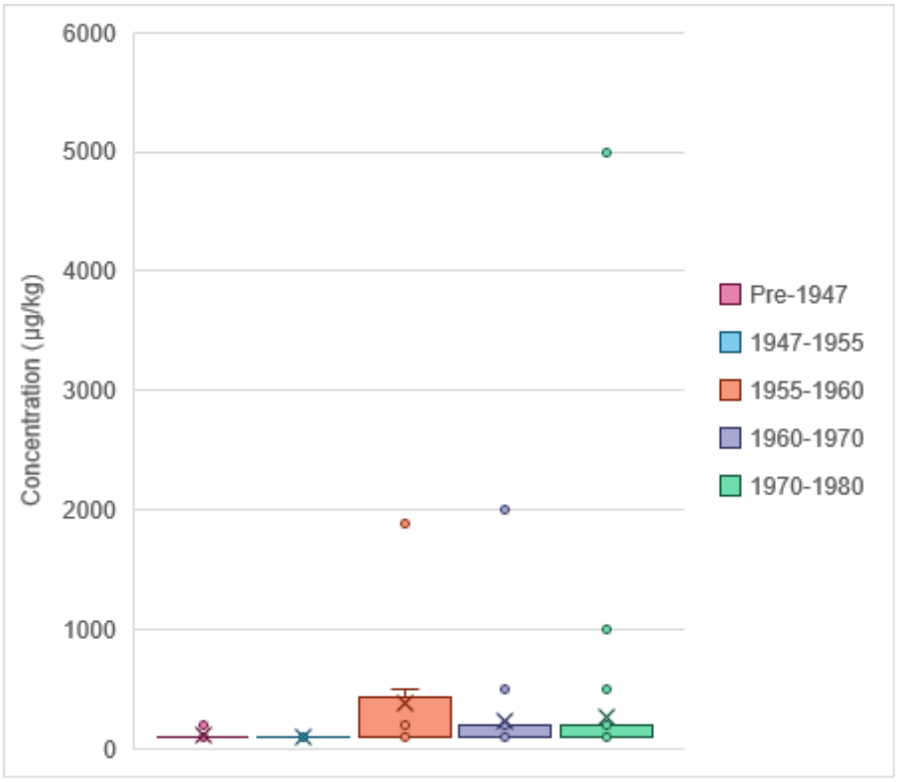

1955-1960
70000
60000
50000
40000
30000
20000
10000
0
Concentration (µg/kg)
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic


1960-1970
700000
600000
500000
400000
300000
200000
100000
0
Concentration (µg/kg)
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic
Commercial
Chalky Cover

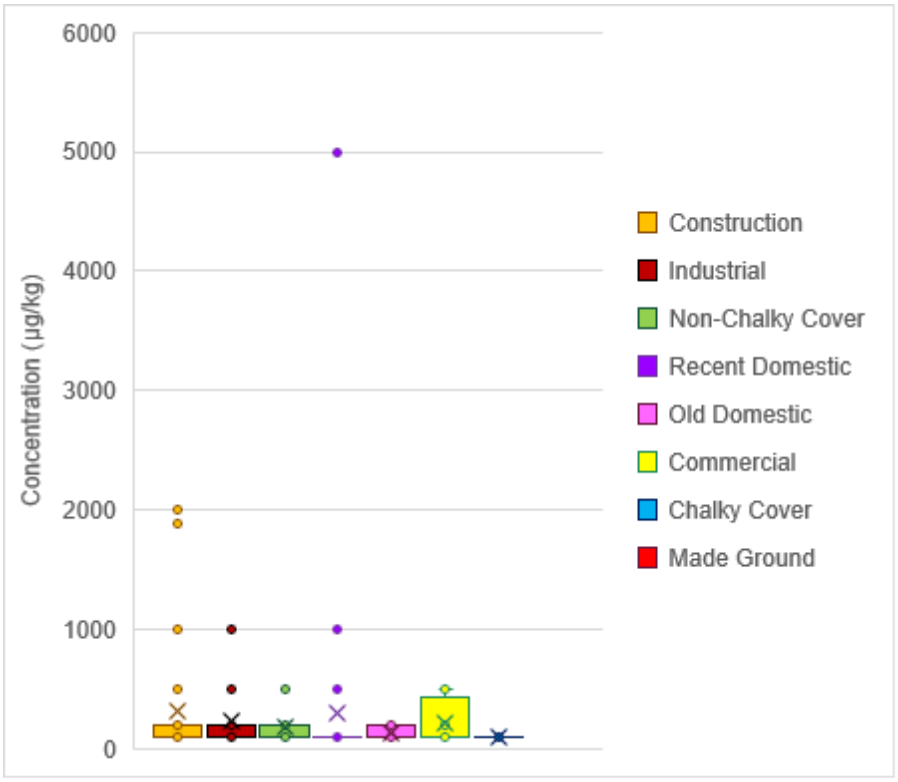

1970-1980
6000000
5000000
4000000
3000000
2000000
1000000
0
Concentration (µg/kg)
Construction
Industrial
Non-Chalky Cover
Recent Domestic
Old Domestic
Commercial
Chalky Cover
Made Ground

D28 Bis(2-chloroethoxy)methane

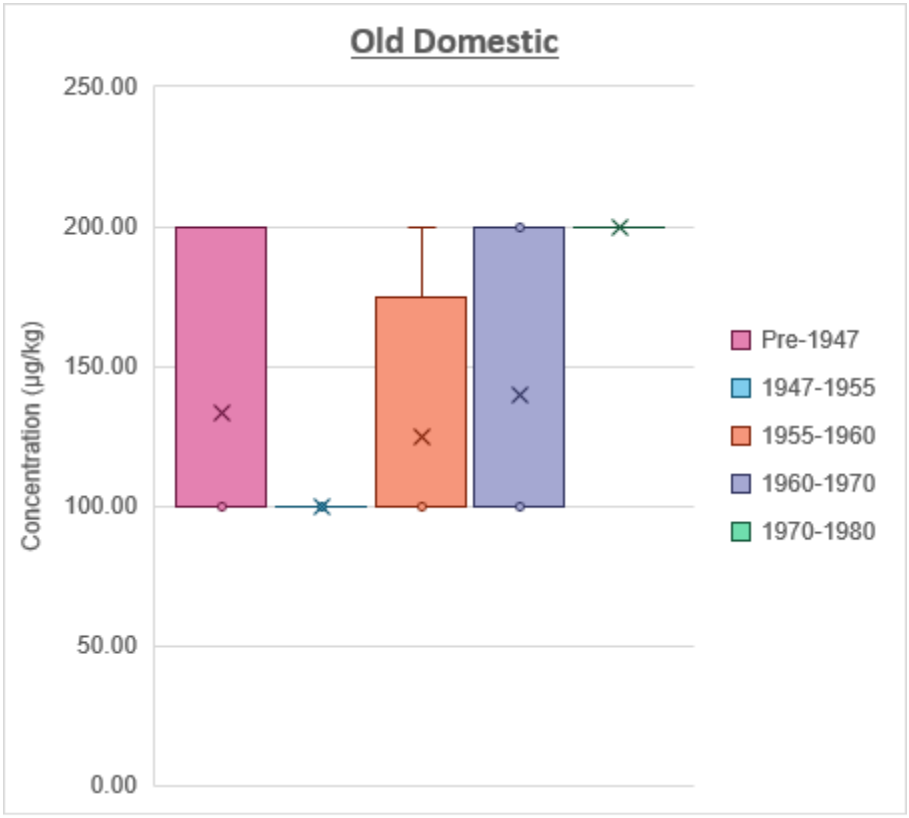
D28.1 Concentration by Era

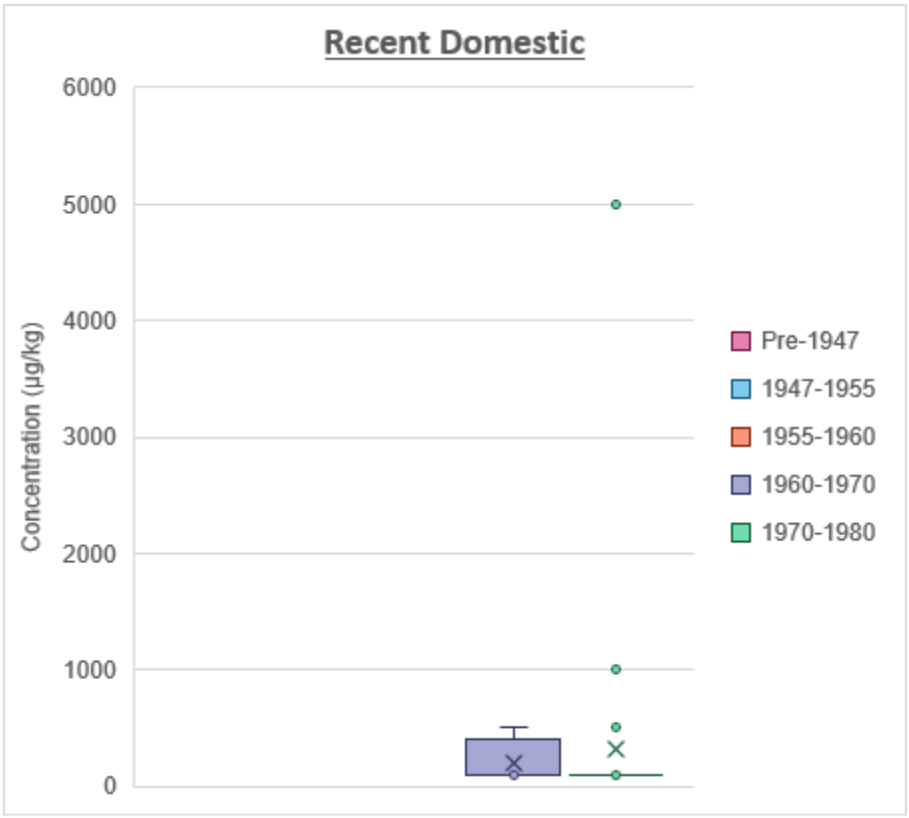


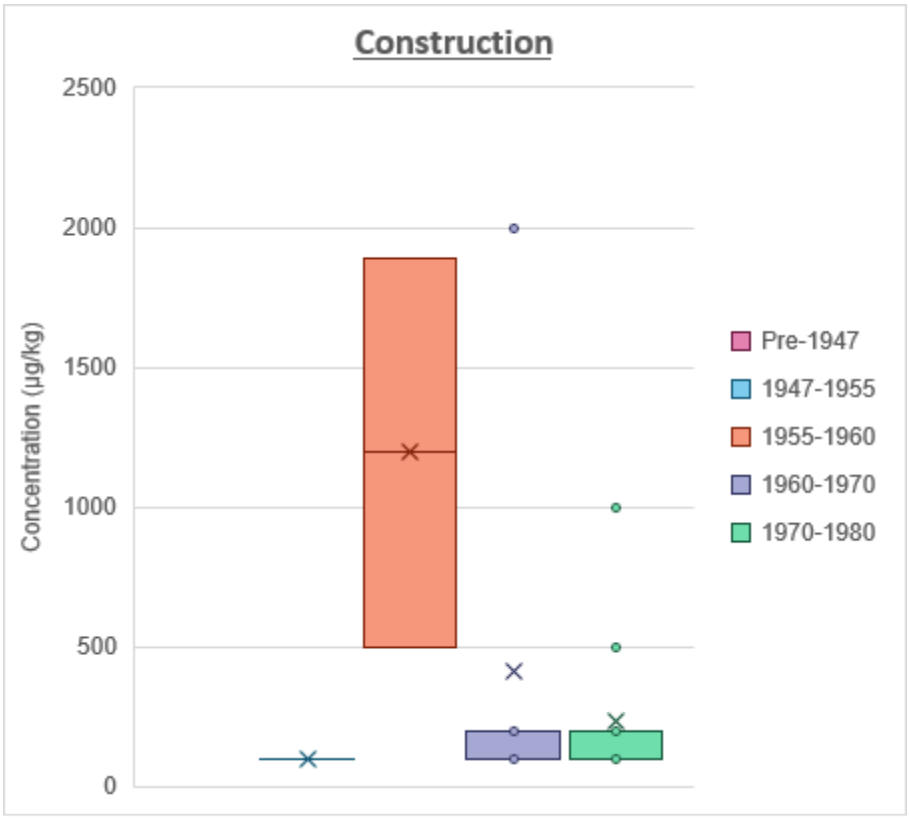
D28.2 Concentration by Waste Type

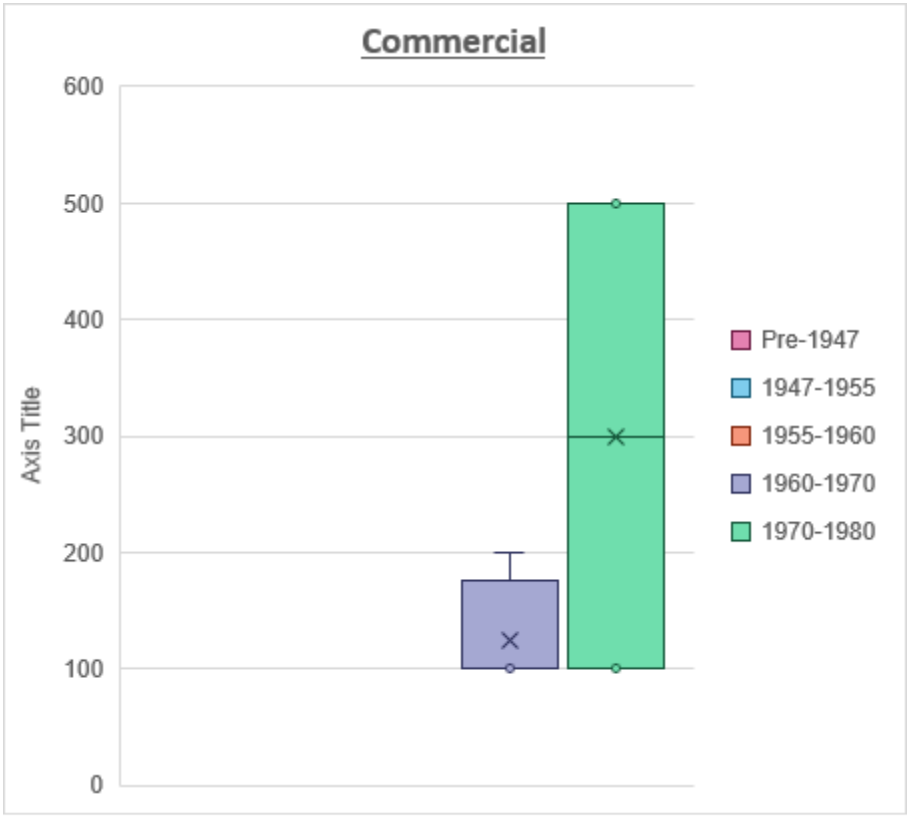


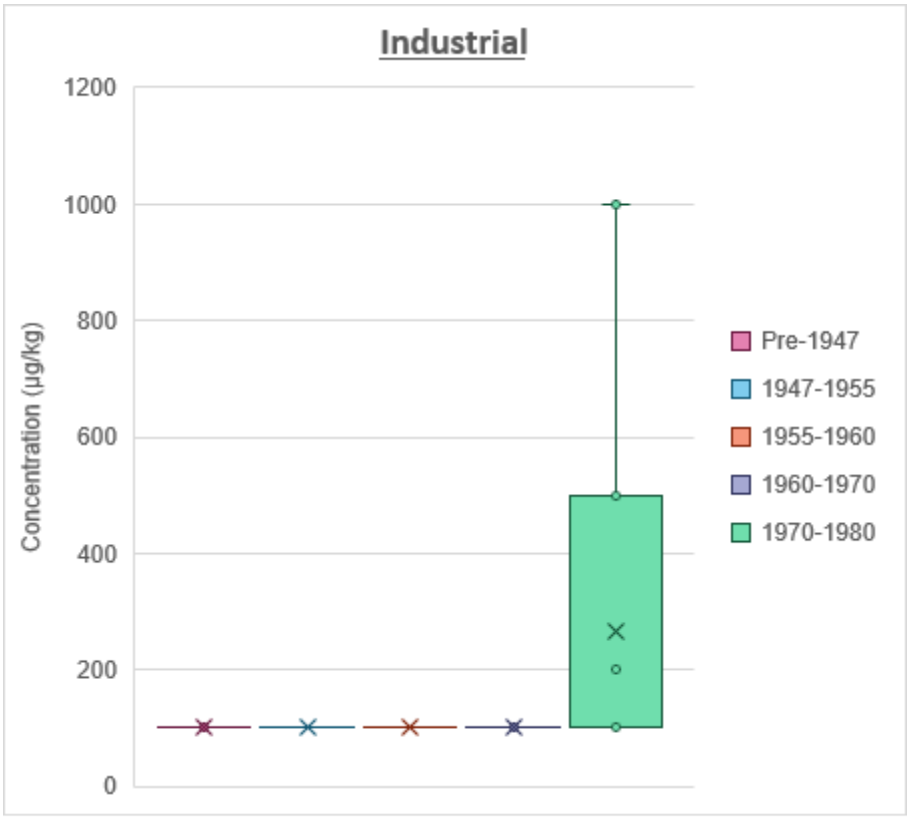
D28.3 Concentration by Waste Type and Era

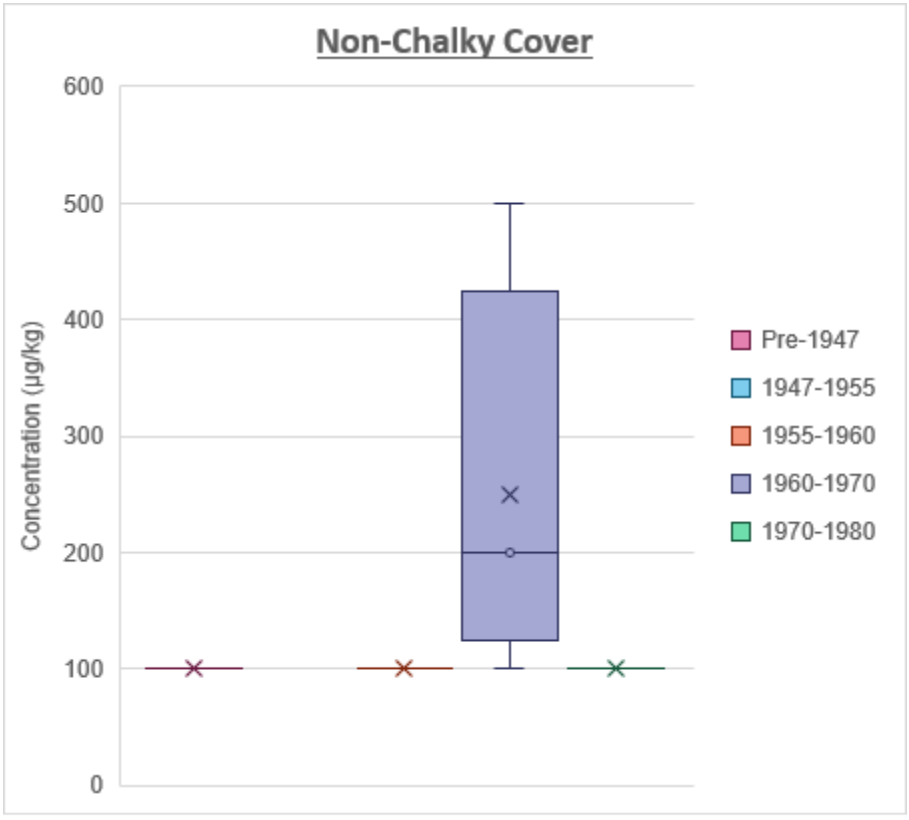


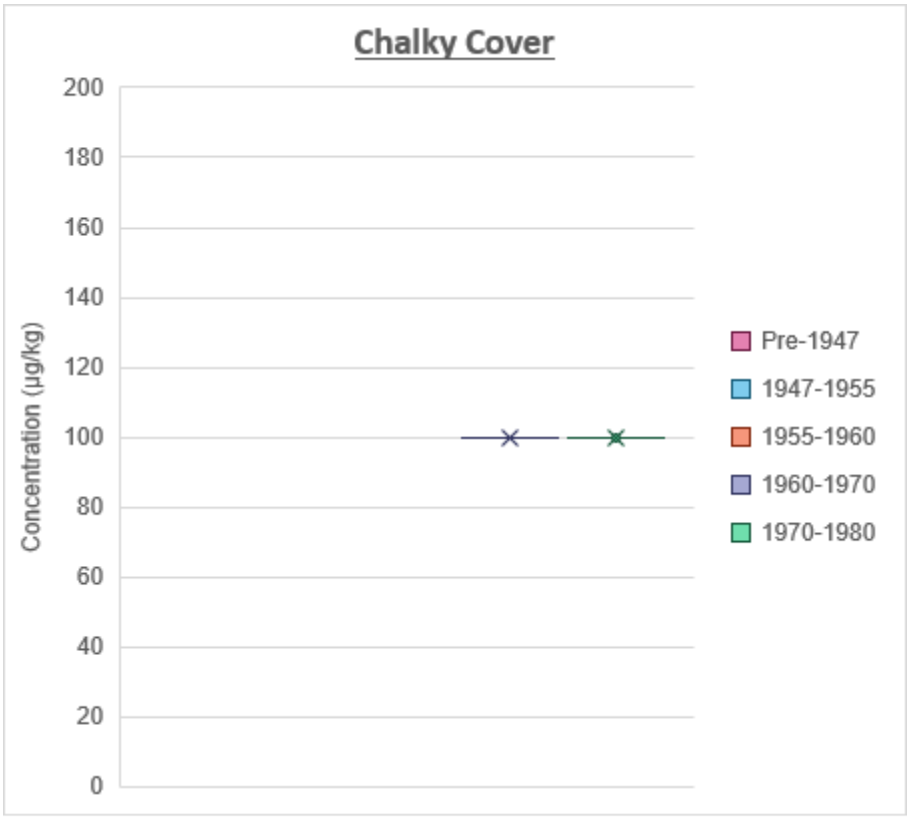



Construction
2500
2000
1500
1000
500
0
Concentration (µg/kg)
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

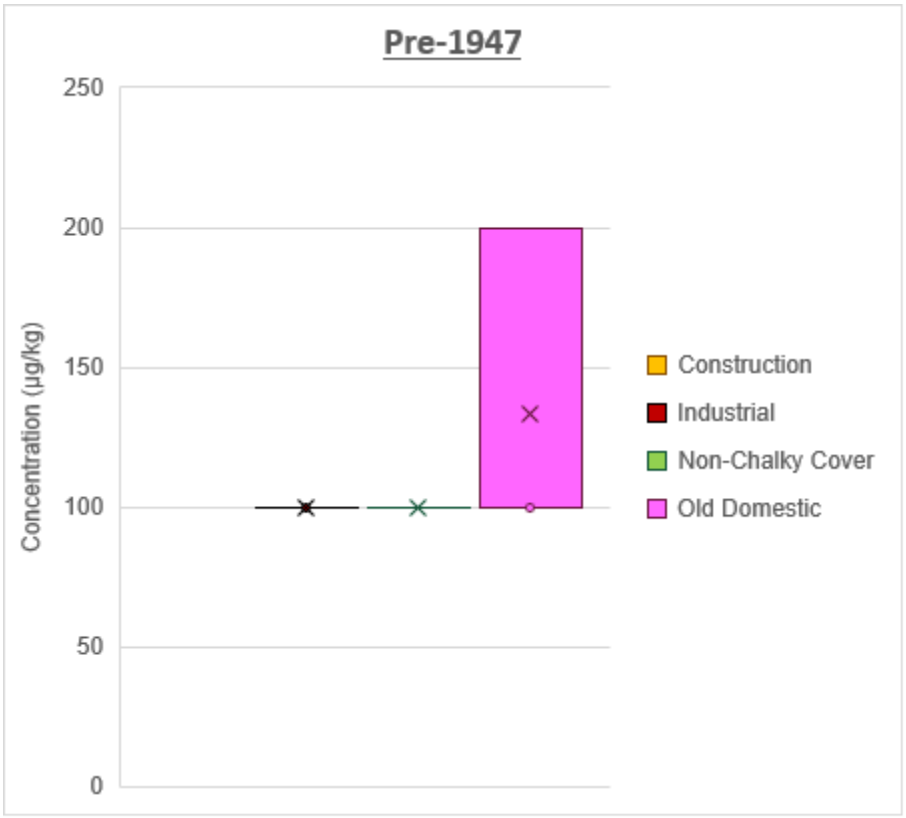

Commercial
600
500
400
300
200
100
0
Axis Title
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980


Industrial
Concentration (µg/kg)
1200
1000
800
600
400
200
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

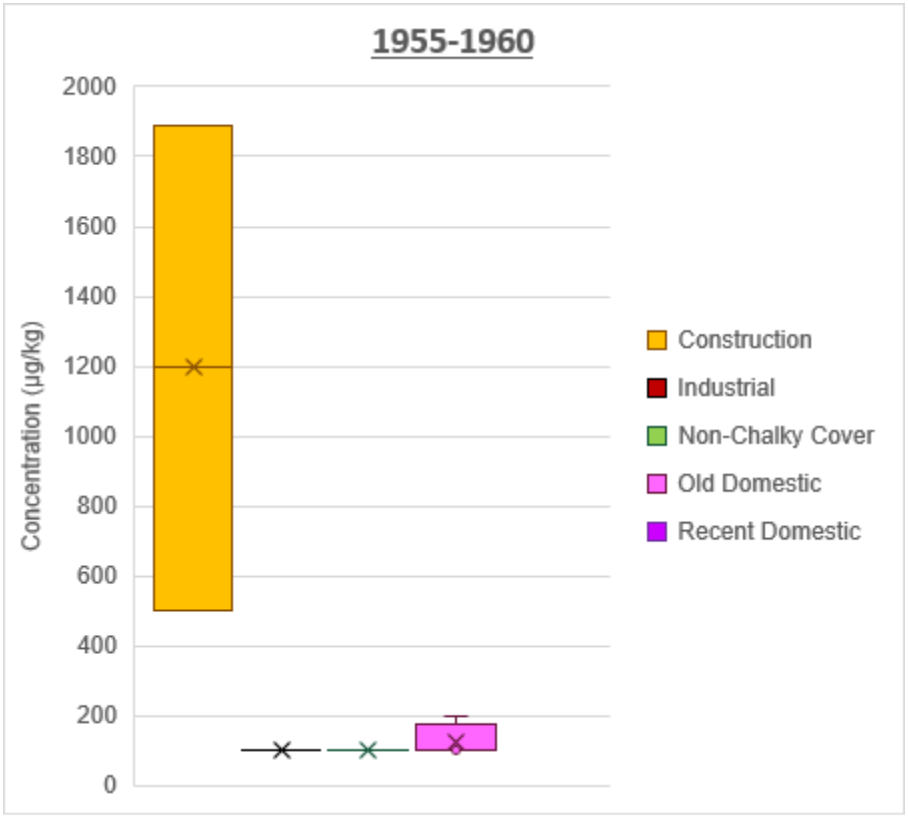

Non-Chalky Cover
Concentration (µg/kg)
600
500
400
300
200
100
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

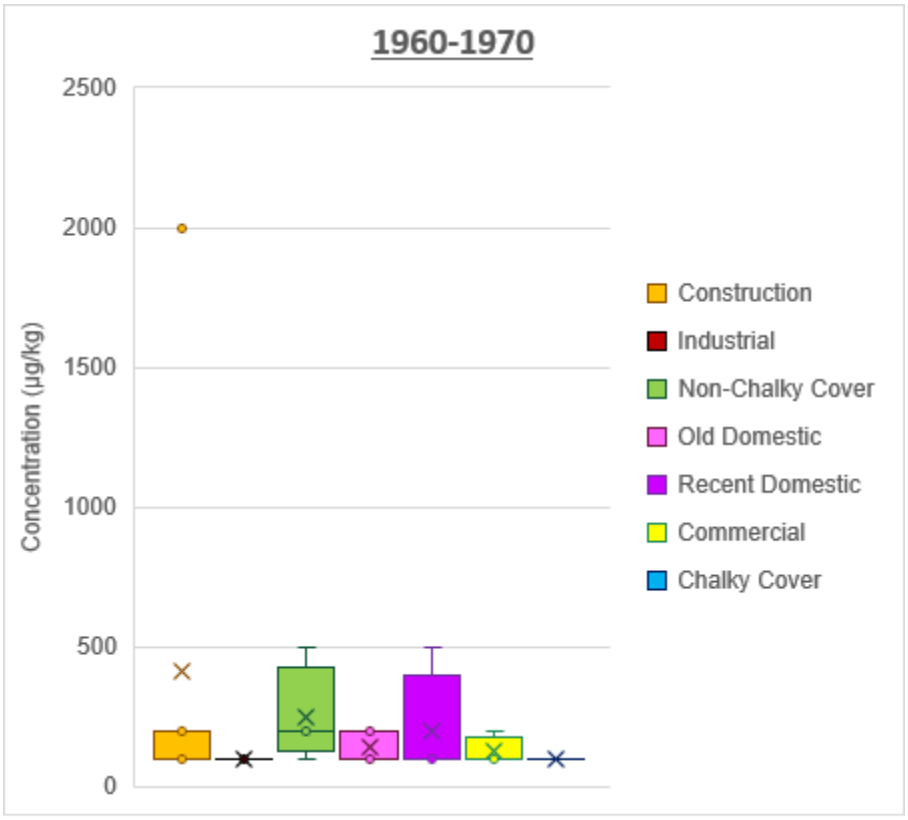


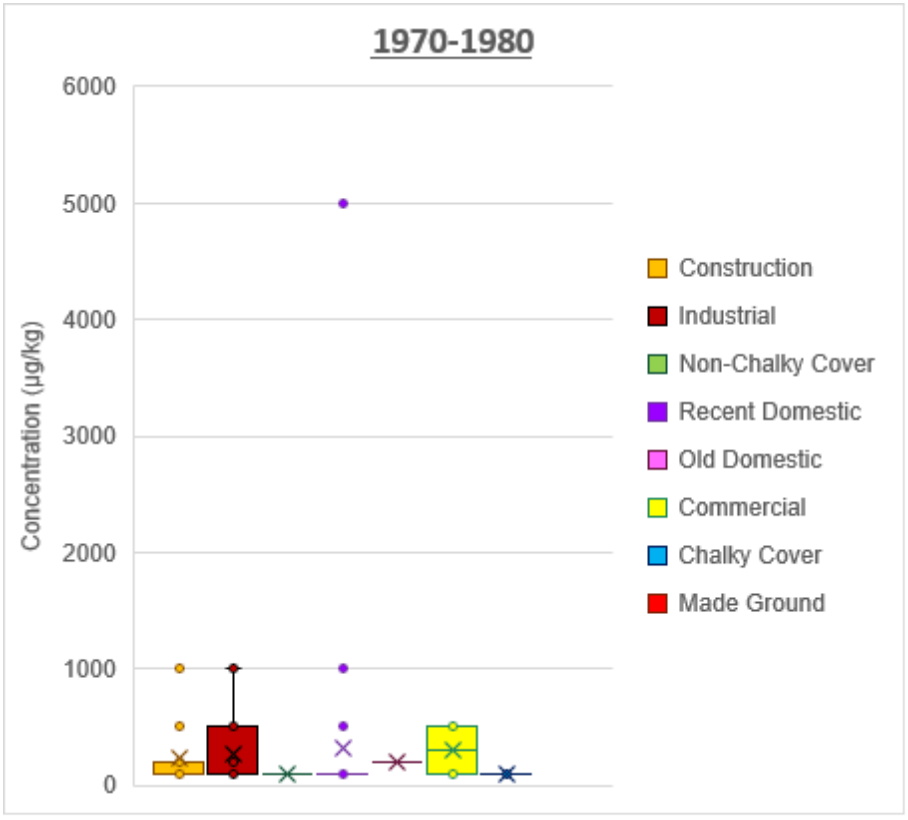
D28.4 Concentration by Era and Waste Type



1947-1955
Concentration (µg/kg)
200
180
160
140
120
100
80
60
40
20
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Commercial

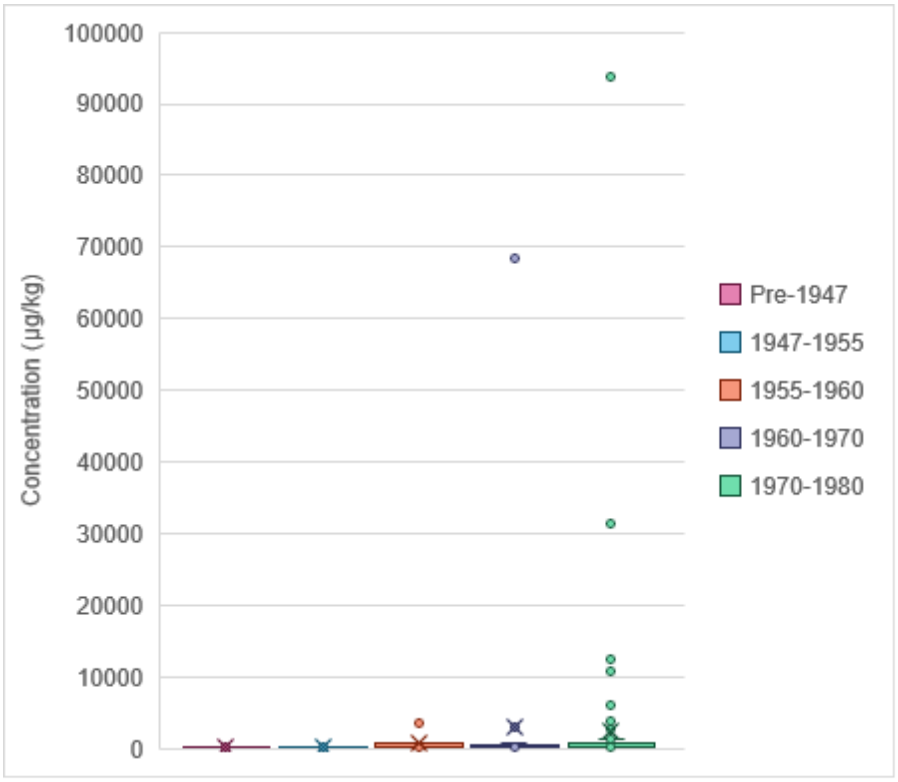

1955-1960
Concentration (µg/kg)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic


1960-1970
2500
2000
1500
1000
500
0
Concentration (µg/kg)
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic
Commercial
Chalky Cover

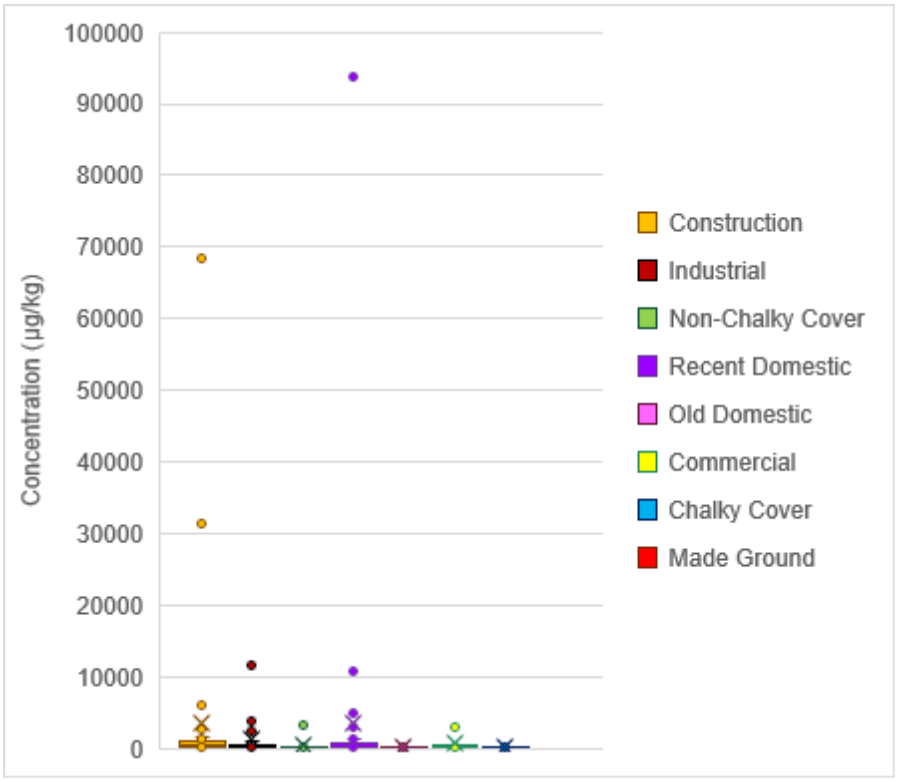

1970-1980
6000
5000
4000
3000
2000
1000
0
Concentration (µg/kg)
Construction
Industrial
Non-Chalky Cover
Recent Domestic
Old Domestic
Commercial
Chalky Cover
Made Ground

D29 Dibenzofuran

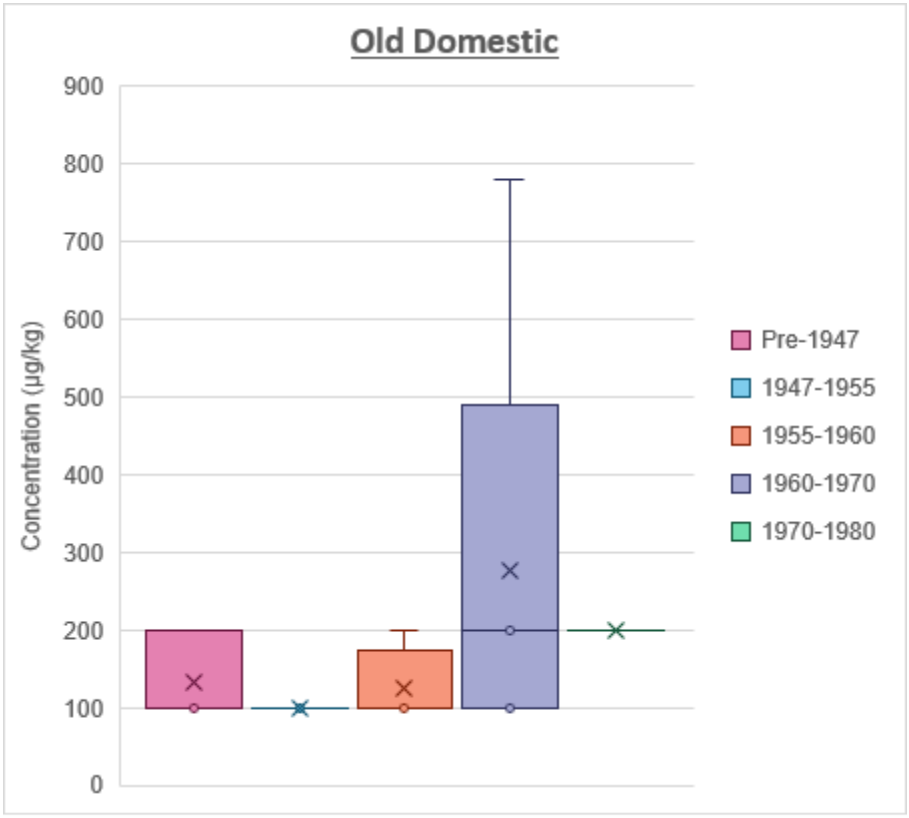
D29.1 Concentration by Era

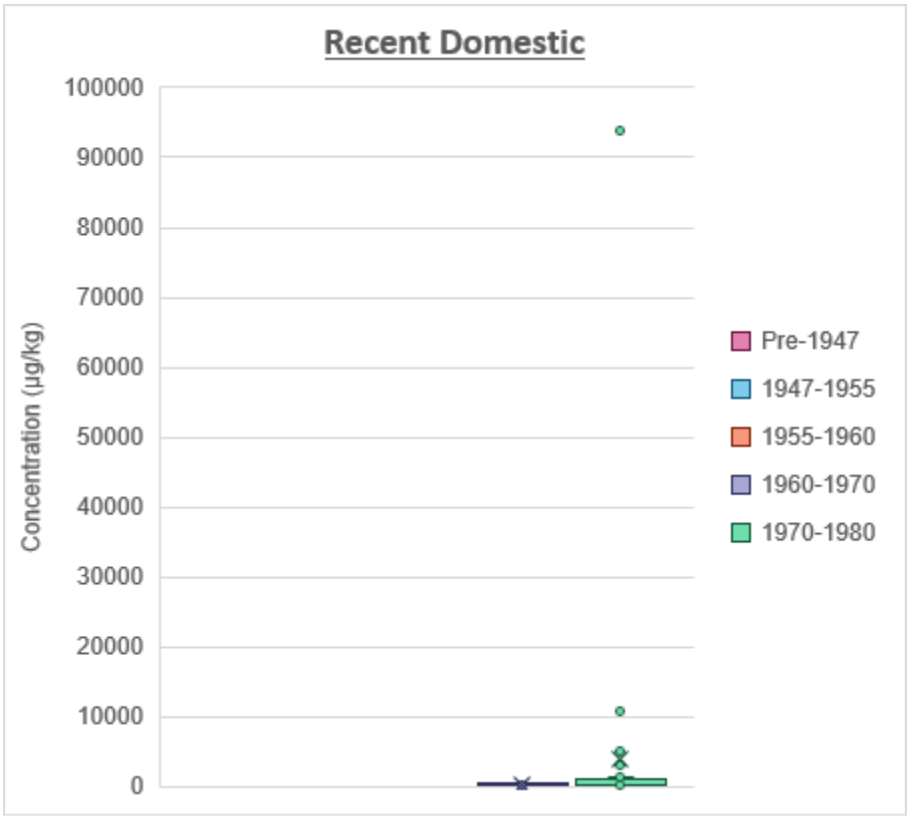


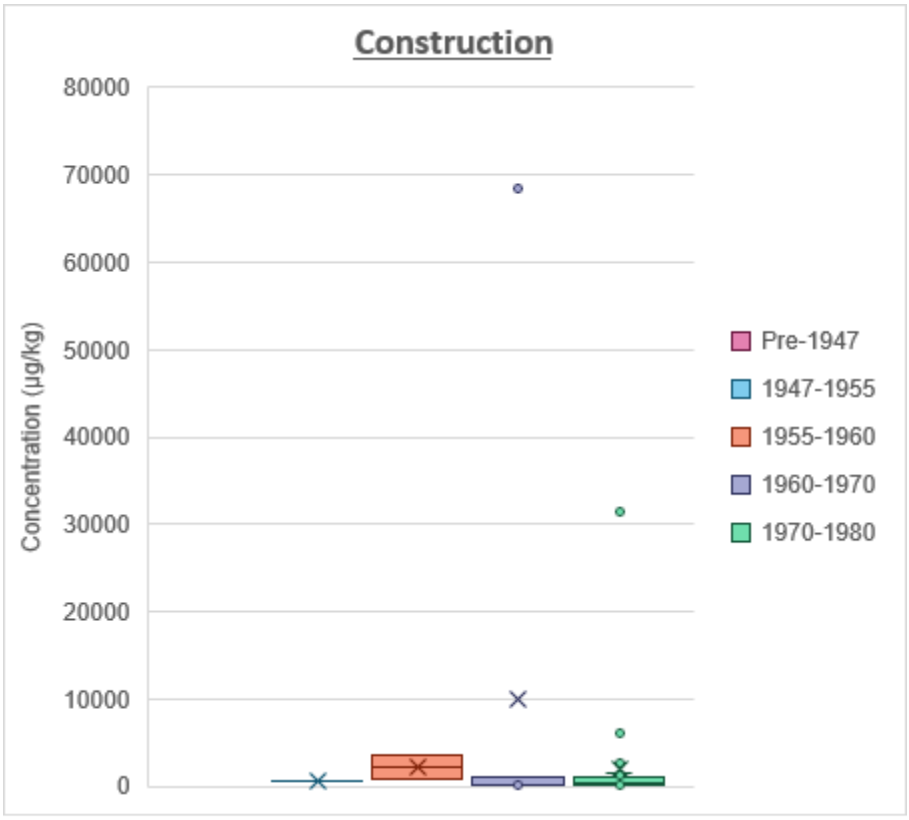
D29.2 Concentration by Waste Type

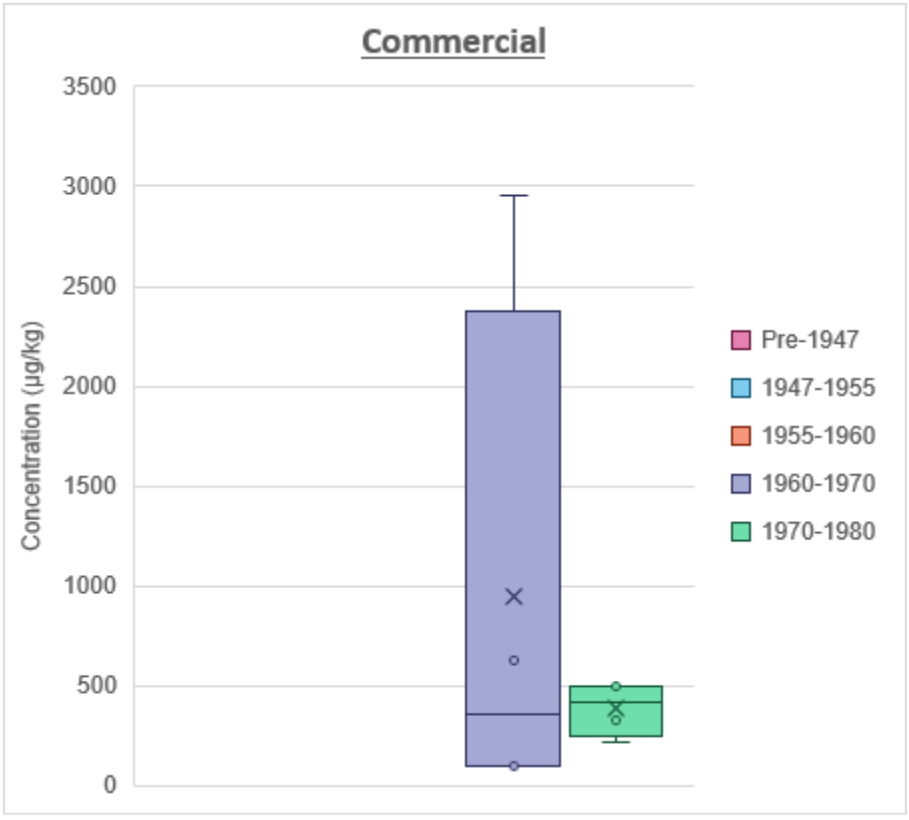


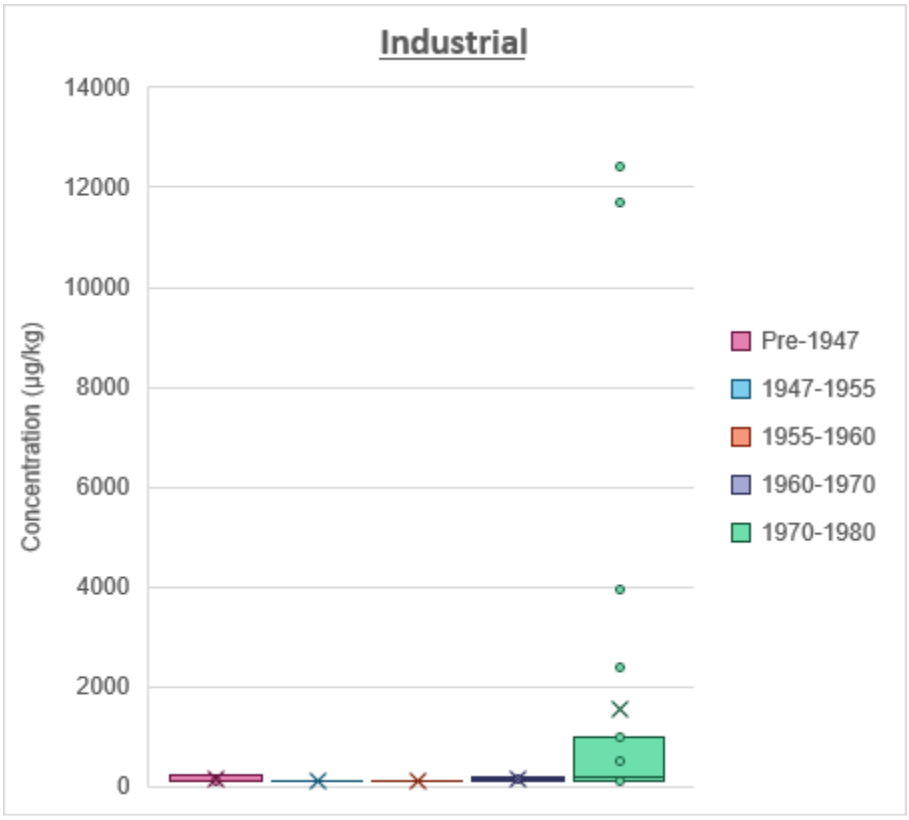
D29.3 Concentration by Waste Type and Era

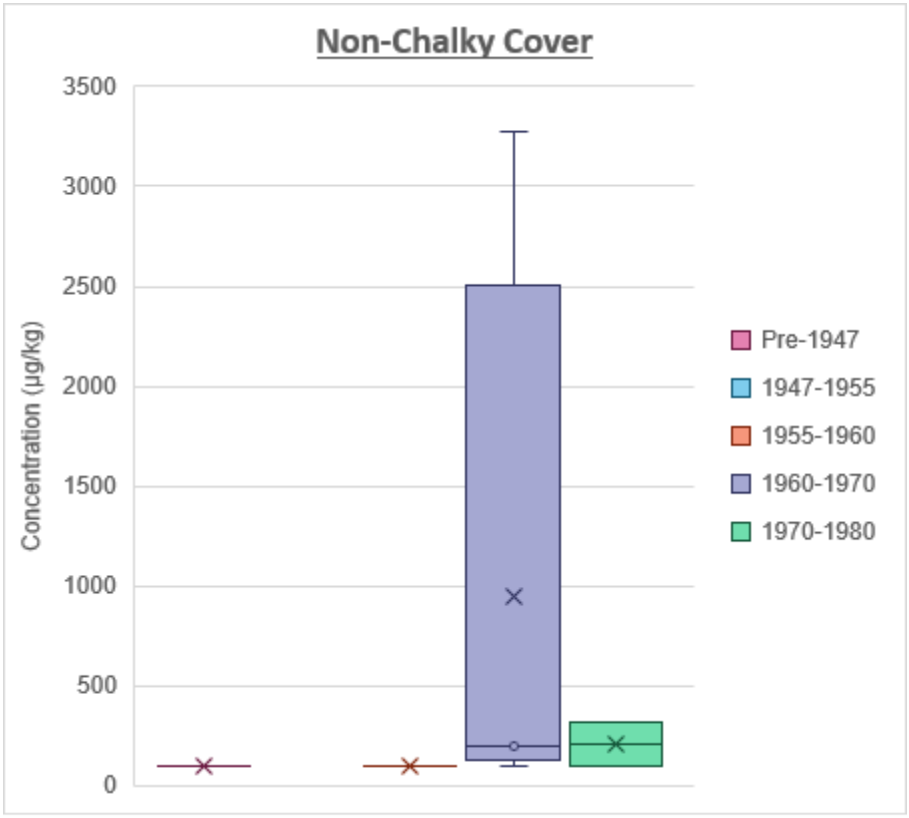


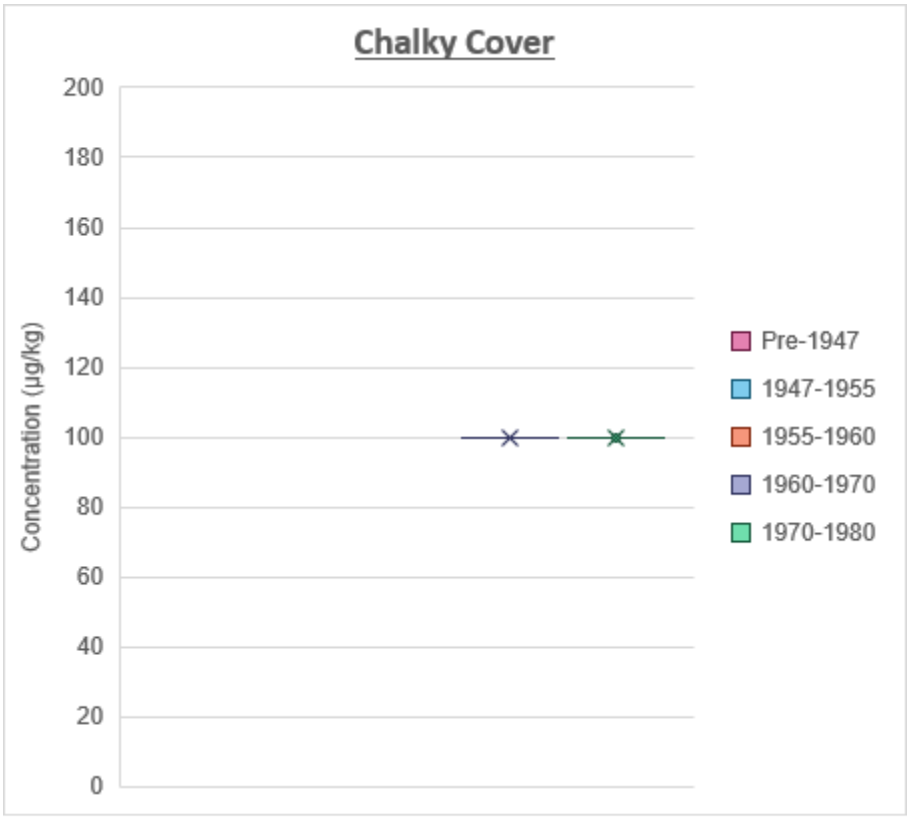



Construction
Concentration (µg/kg)
80000
70000
60000
50000
40000
30000
20000
10000
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

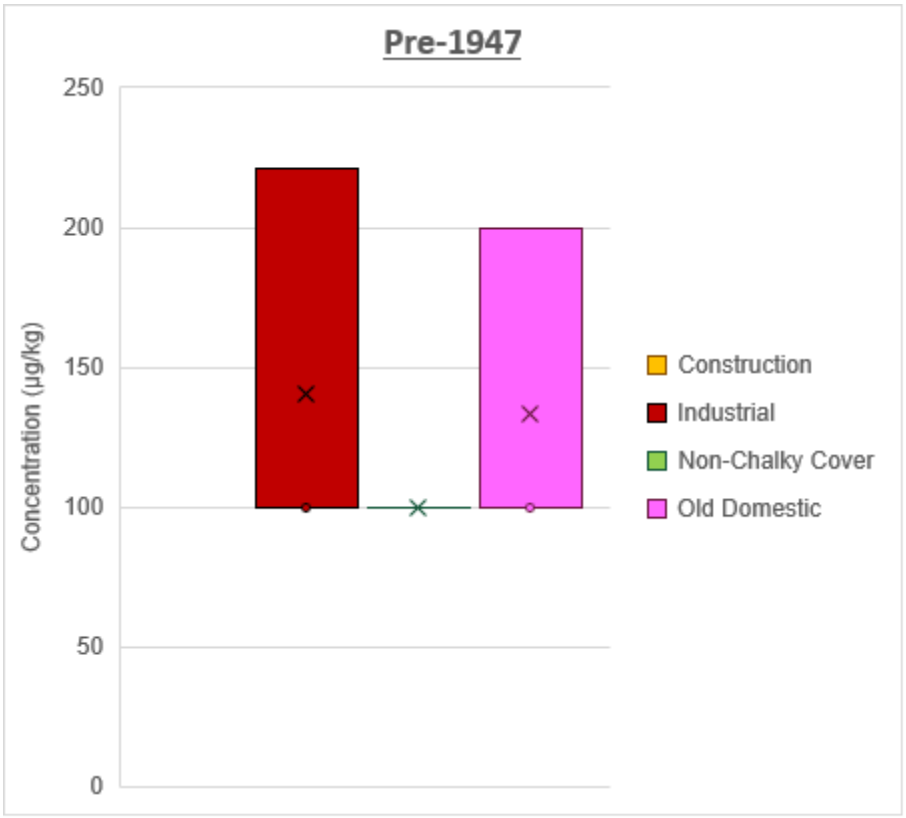

Commercial
Concentration (µg/kg)
3500
3000
2500
2000
1500
1000
500
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

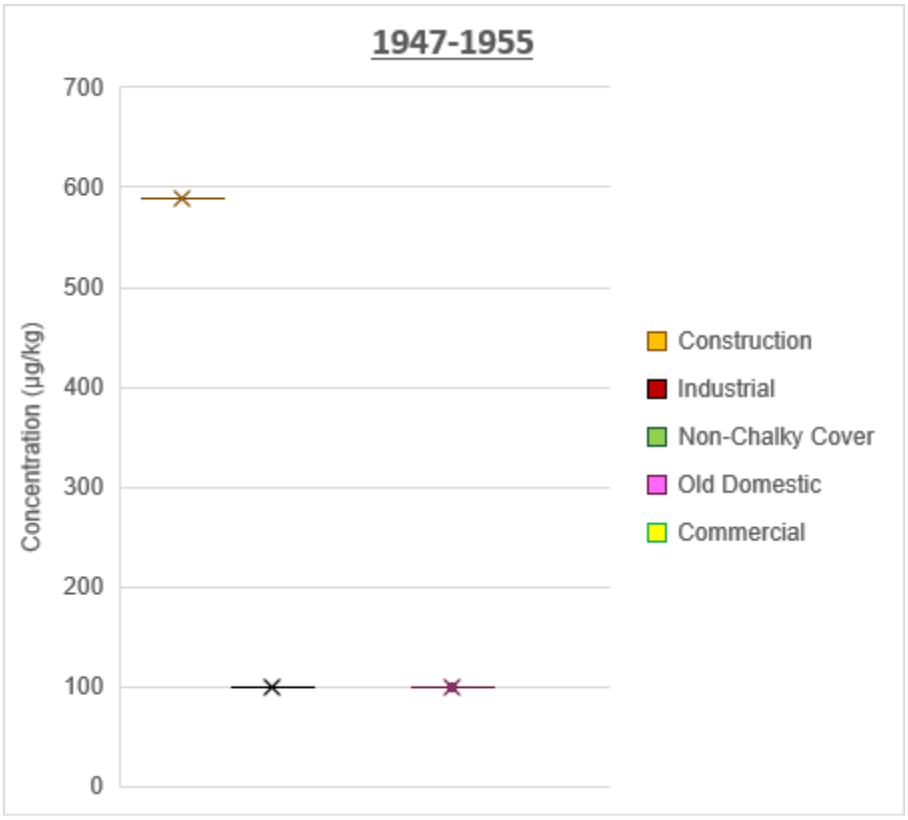

Industrial
14000
12000
10000
8000
6000
4000
2000
0
Concentration (µg/kg)
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

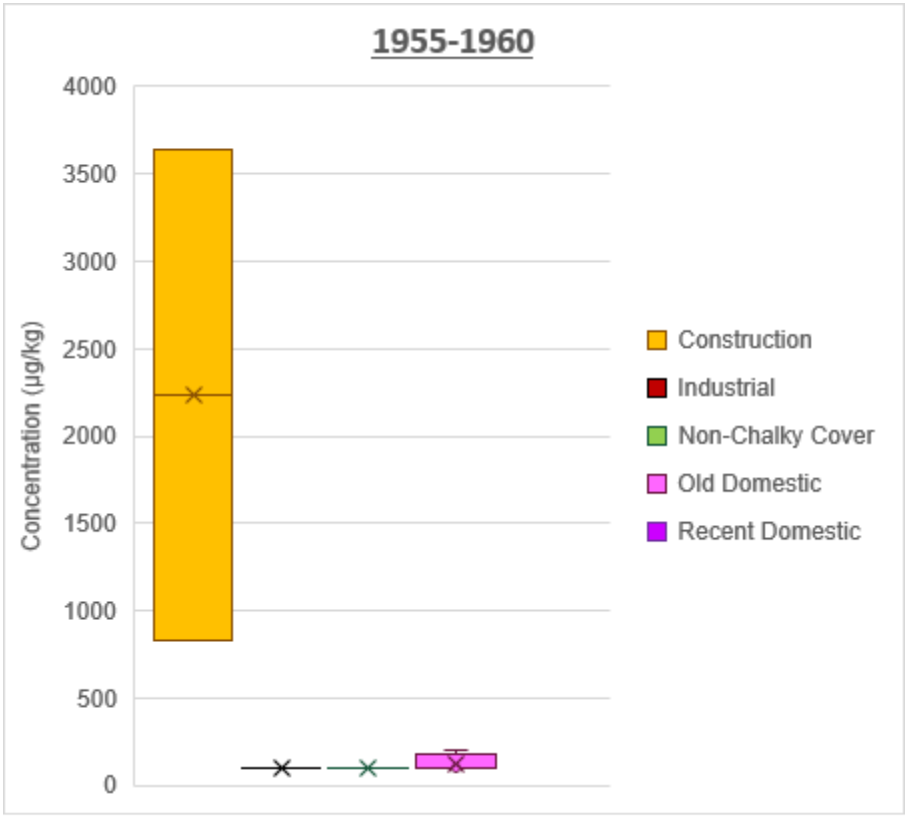

Non-Chalky Cover
3500
3000
2500
2000
1500
1000
500
0
Concentration (µg/kg)
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

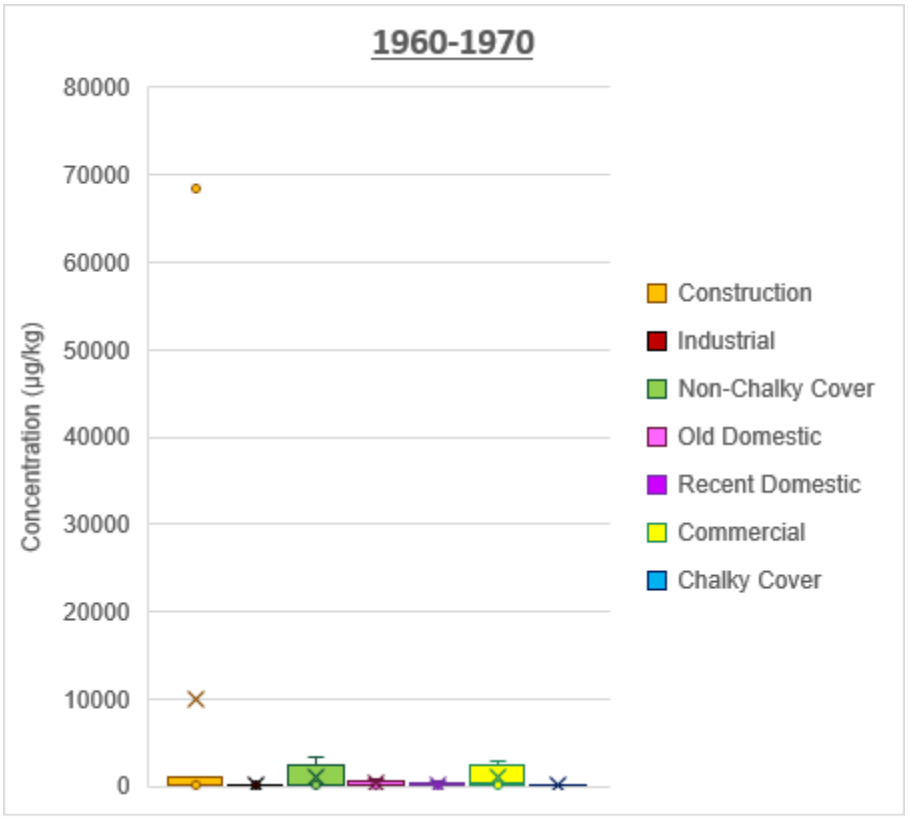


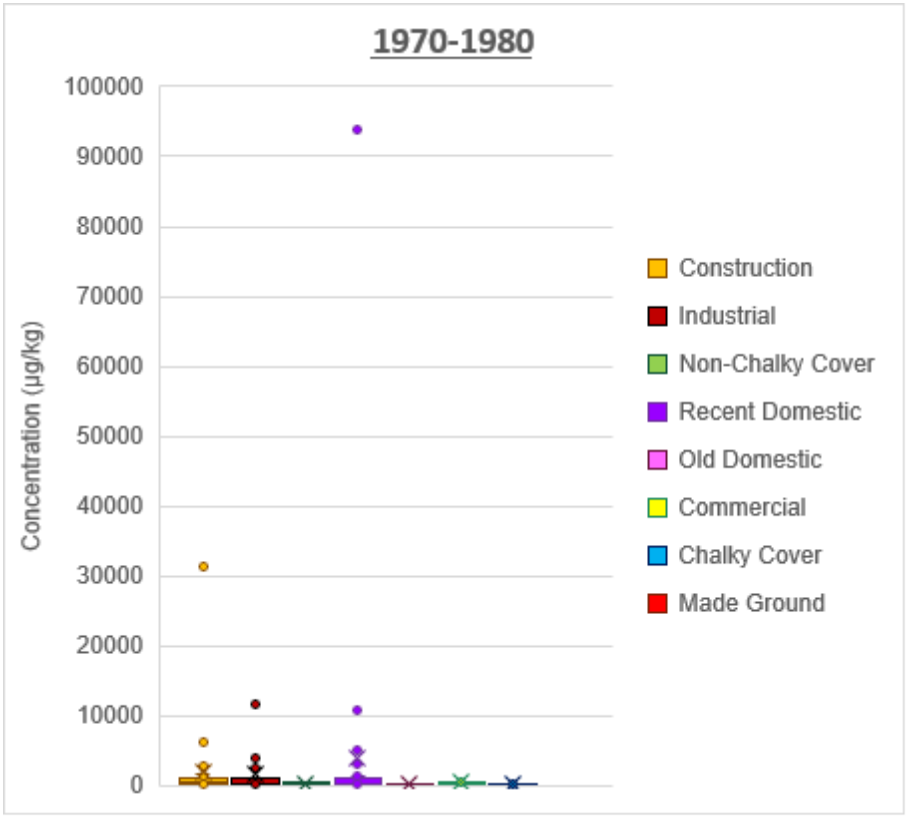
D29.4 Concentration by Era and Waste Type




1947-1955
700
600
500
400
300
200
100
0
Concentration (µg/kg)
Construction
Industrial
Non-Chalky Cover
Old Domestic
Commercial

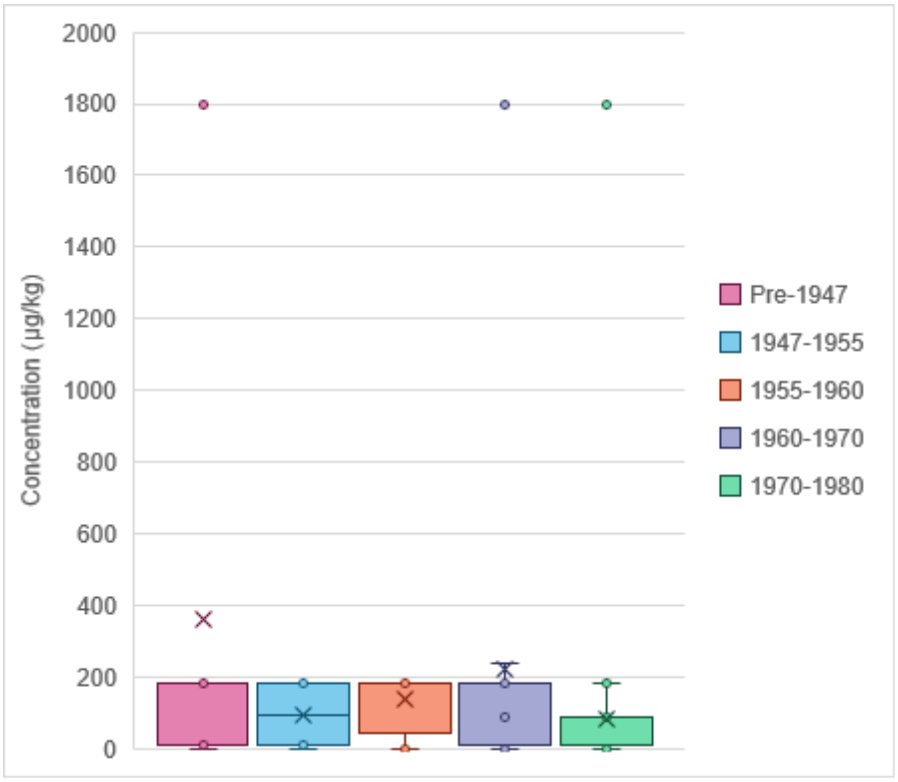

1955-1960
4000
3500
3000
2500
2000
1500
1000
500
0
Concentration (µg/kg)
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic


1960-1970
Concentration (µg/kg)
80000
70000
60000
50000
40000
30000
20000
10000
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic
Commercial
Chalky Cover

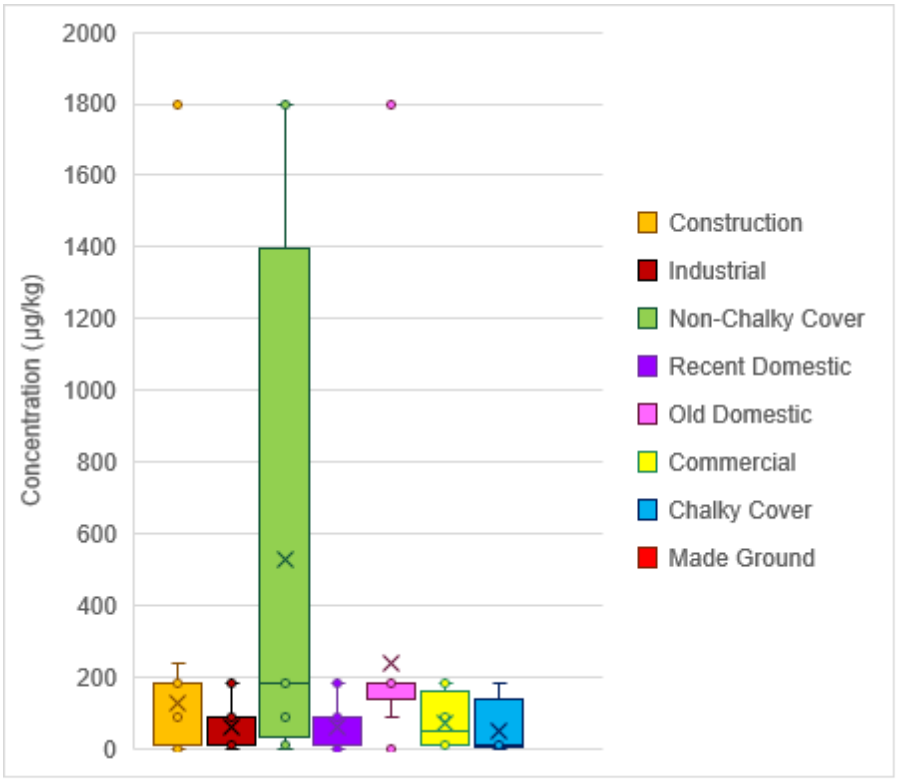

1970-1980
Concentration (µg/kg)
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Construction
Industrial
Non-Chalky Cover
Recent Domestic
Old Domestic
Commercial
Chalky Cover
Made Ground

D30 Trichloroethene

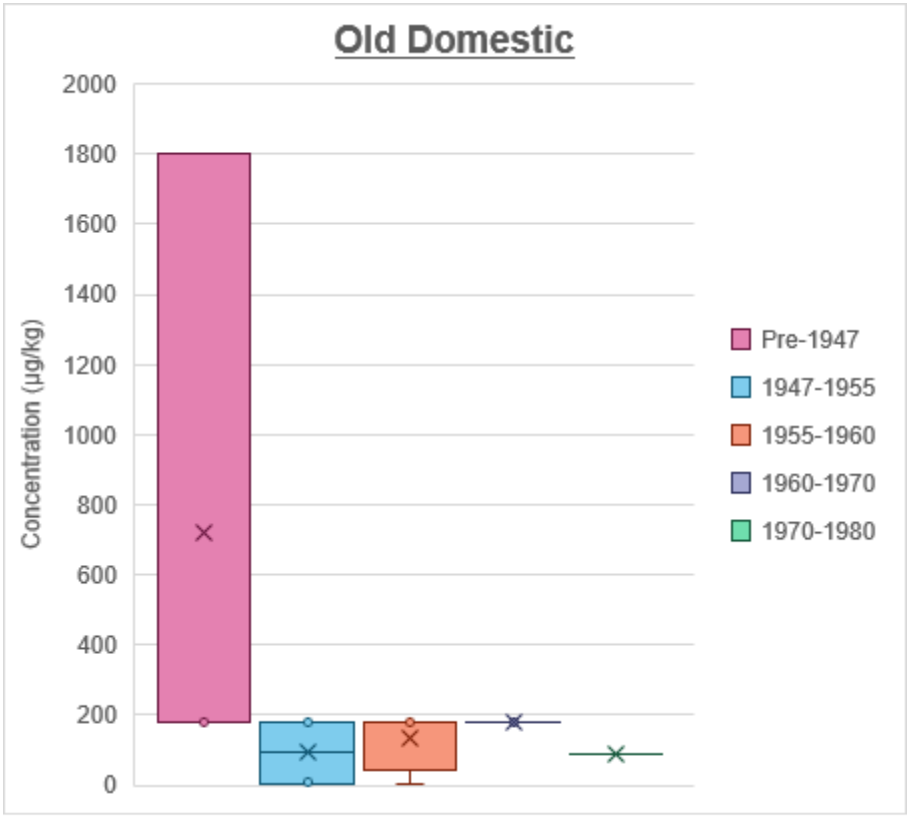
D30.1 Concentration by Era

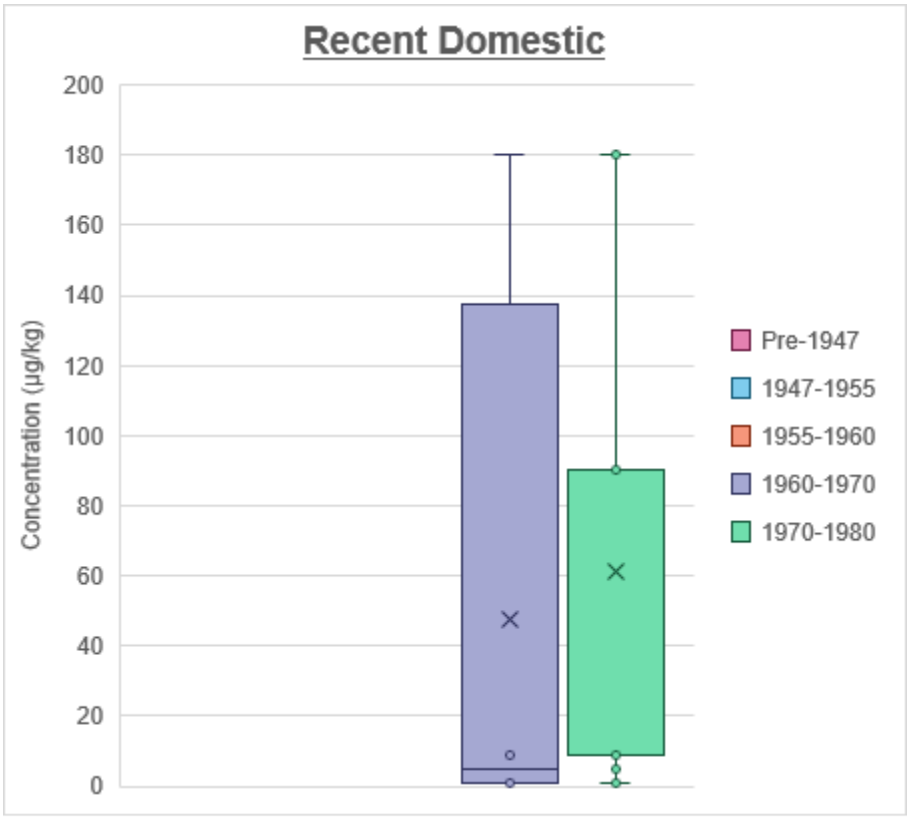


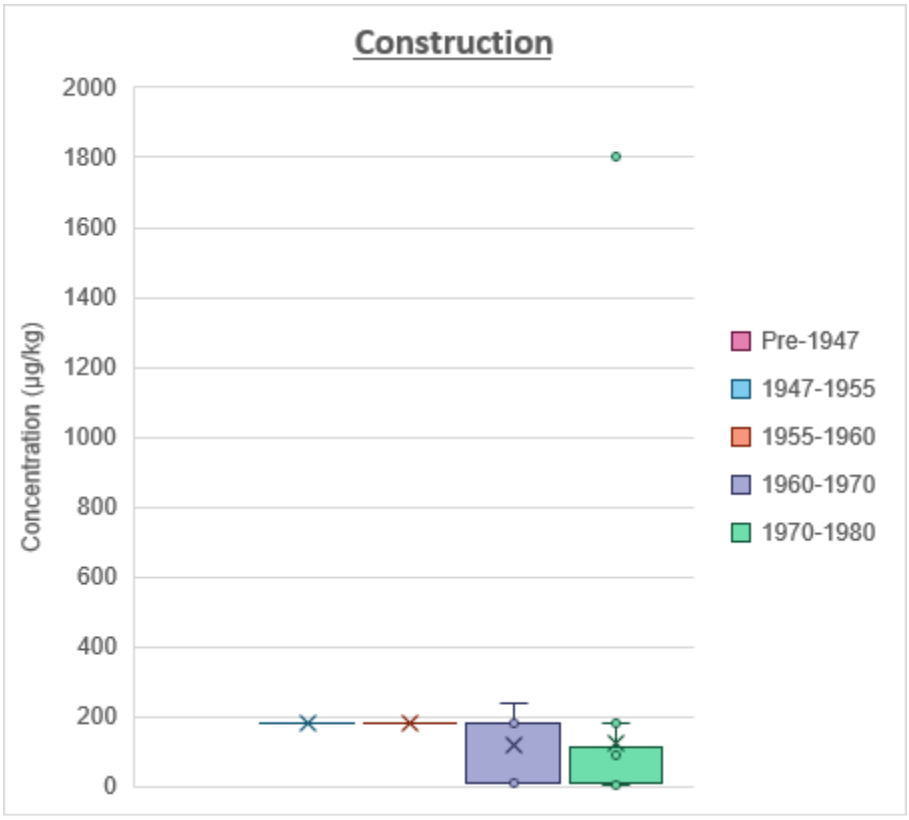
D30.2 Concentration by Waste Type

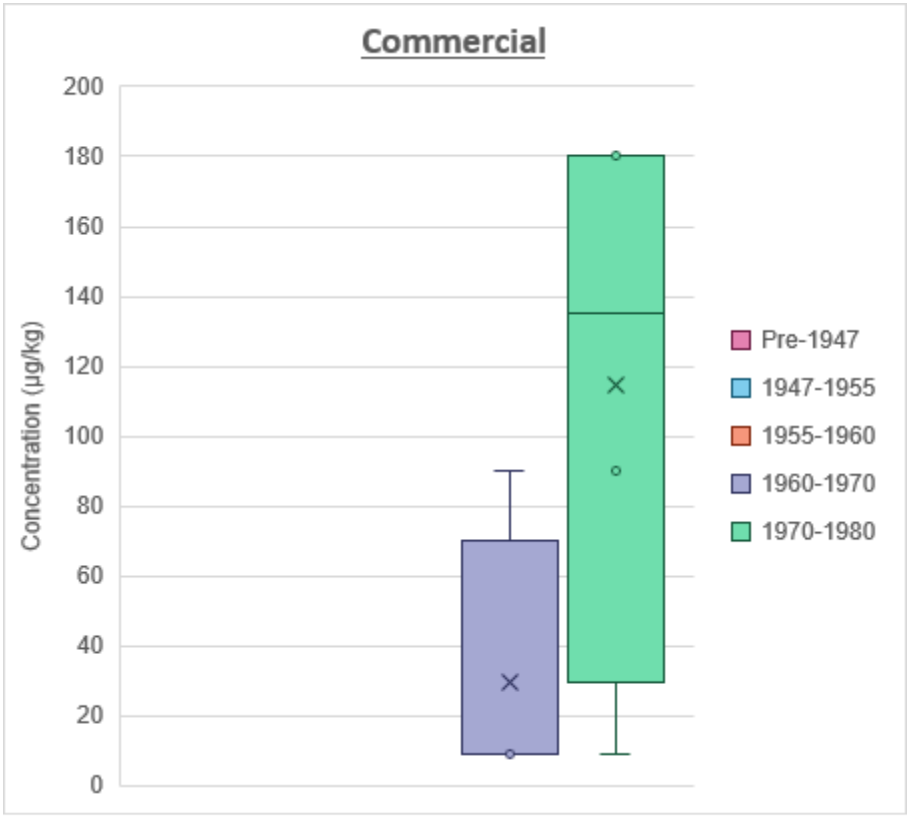


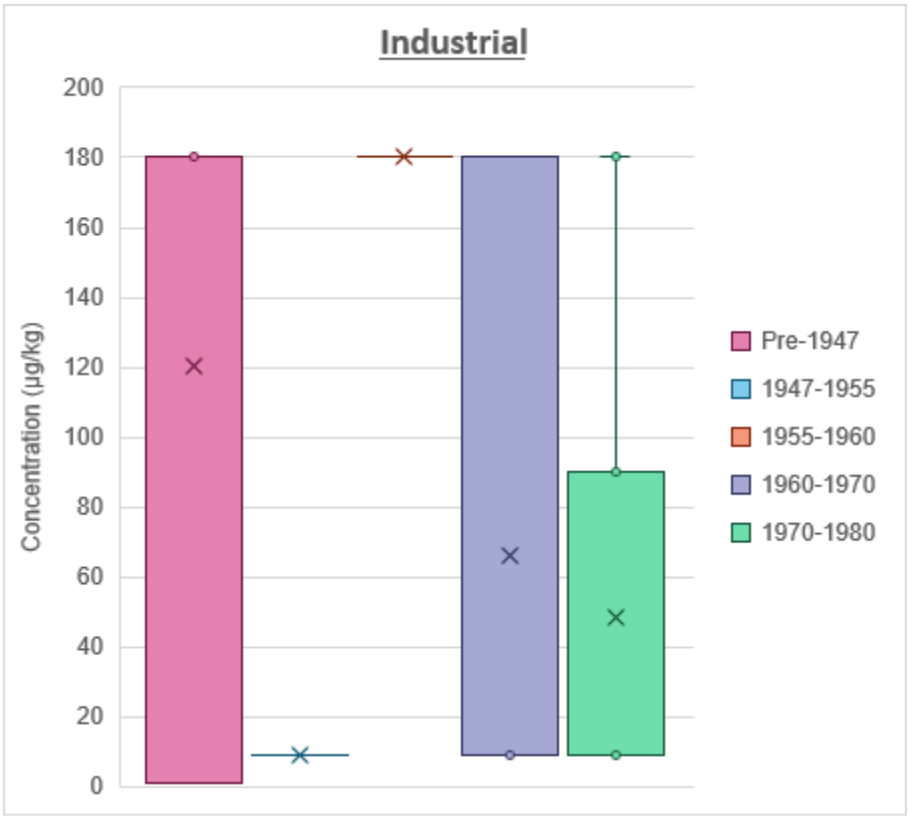
D30.3 Concentration by Waste Type and Era

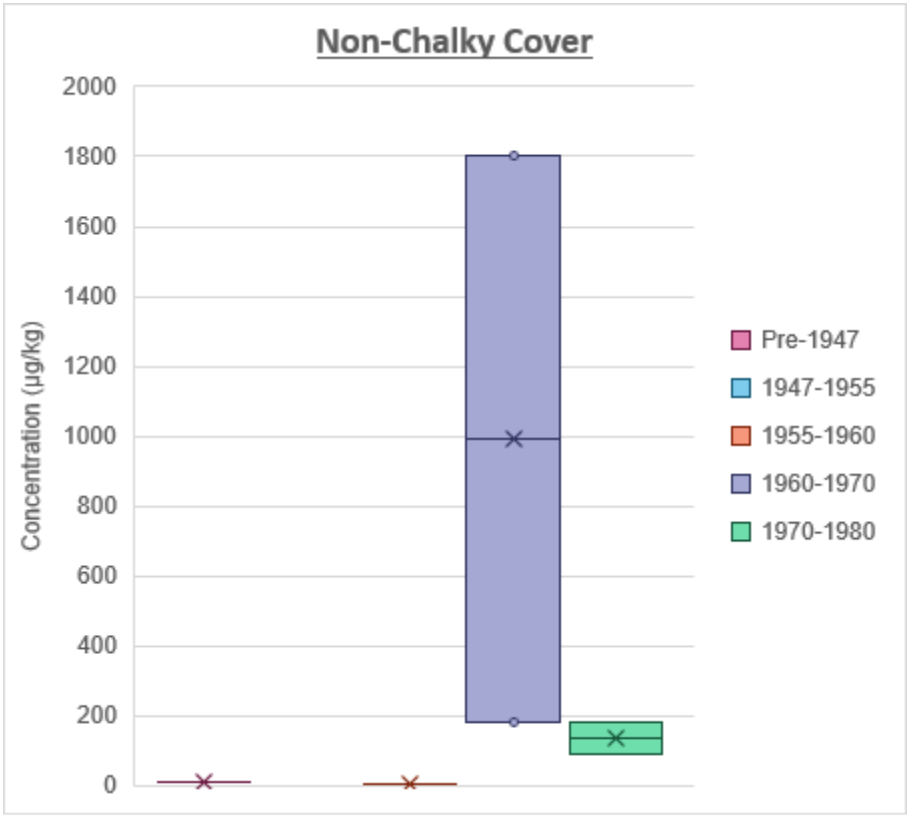


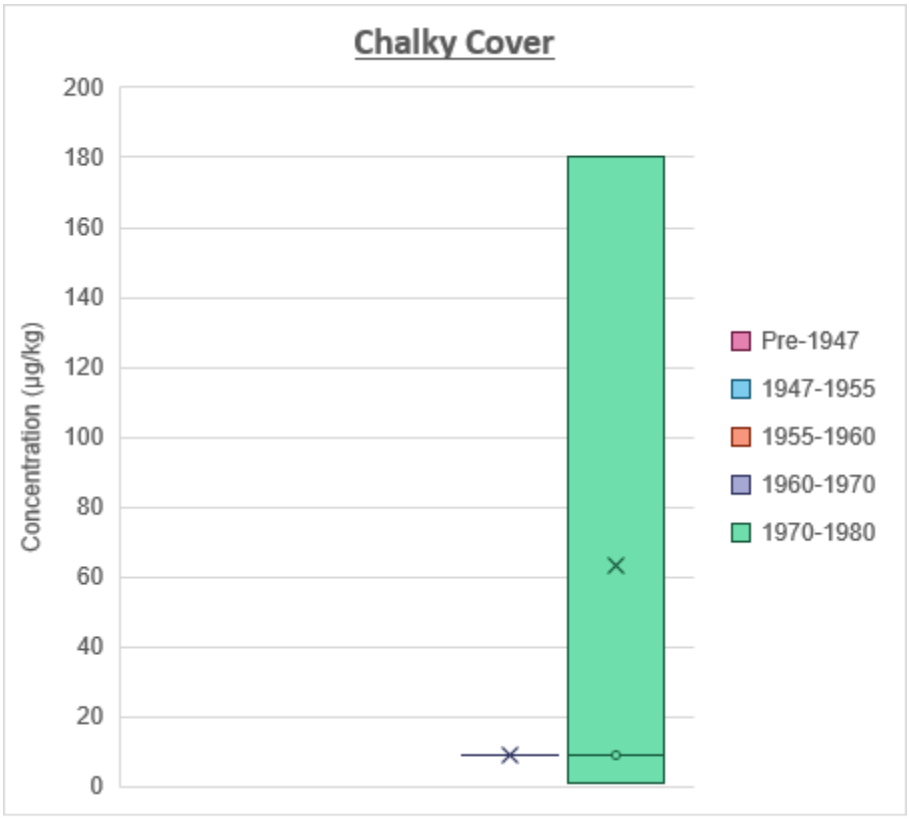



Construction
Concentration (µg/kg)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

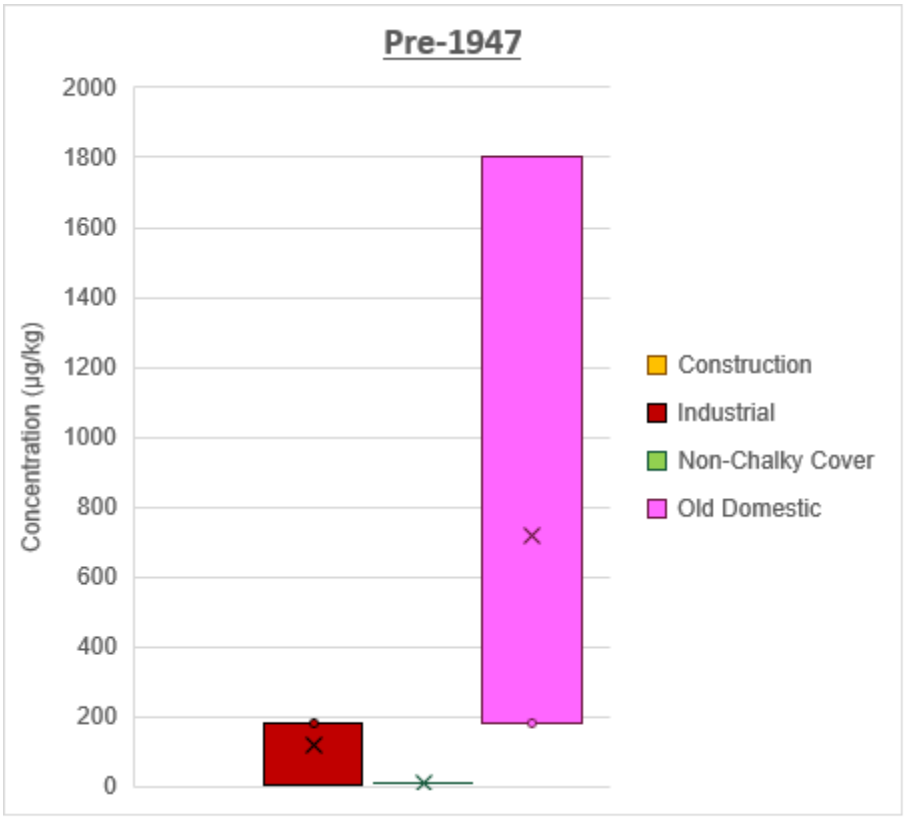

Commercial
Concentration (µg/kg)
200
180
160
140
120
100
80
60
40
20
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

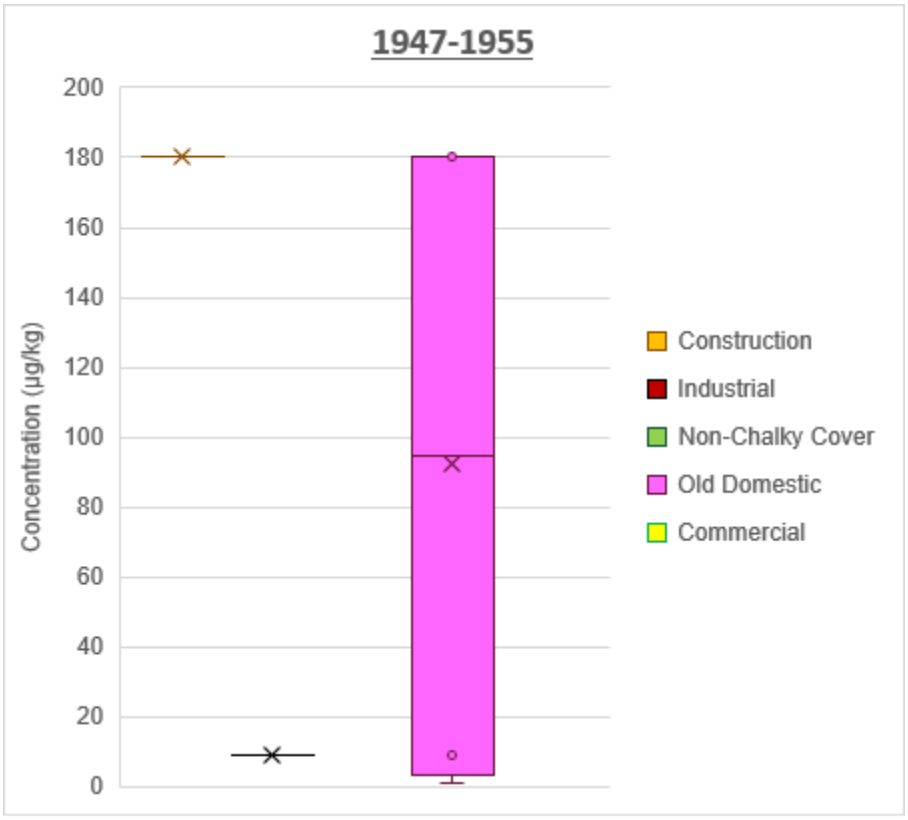

Industrial
Concentration (µg/kg)
200
180
160
140
120
100
80
60
40
20
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

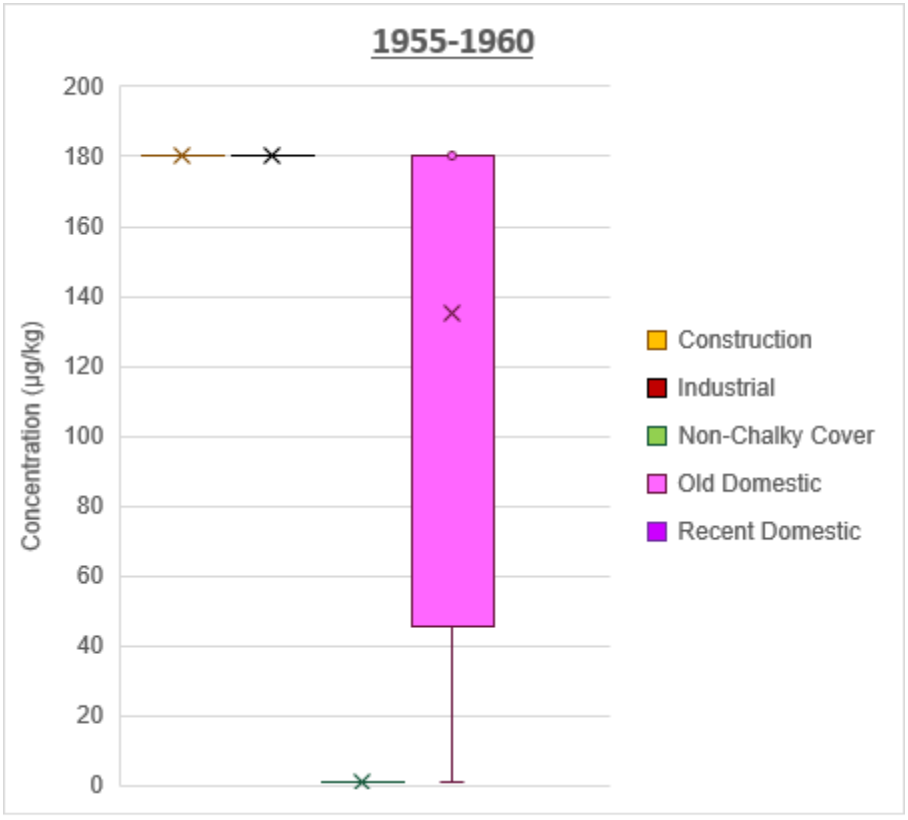

Non-Chalky Cover
Concentration (µg/kg)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
Pre-1947
1947-1955
1955-1960
1960-1970
1970-1980

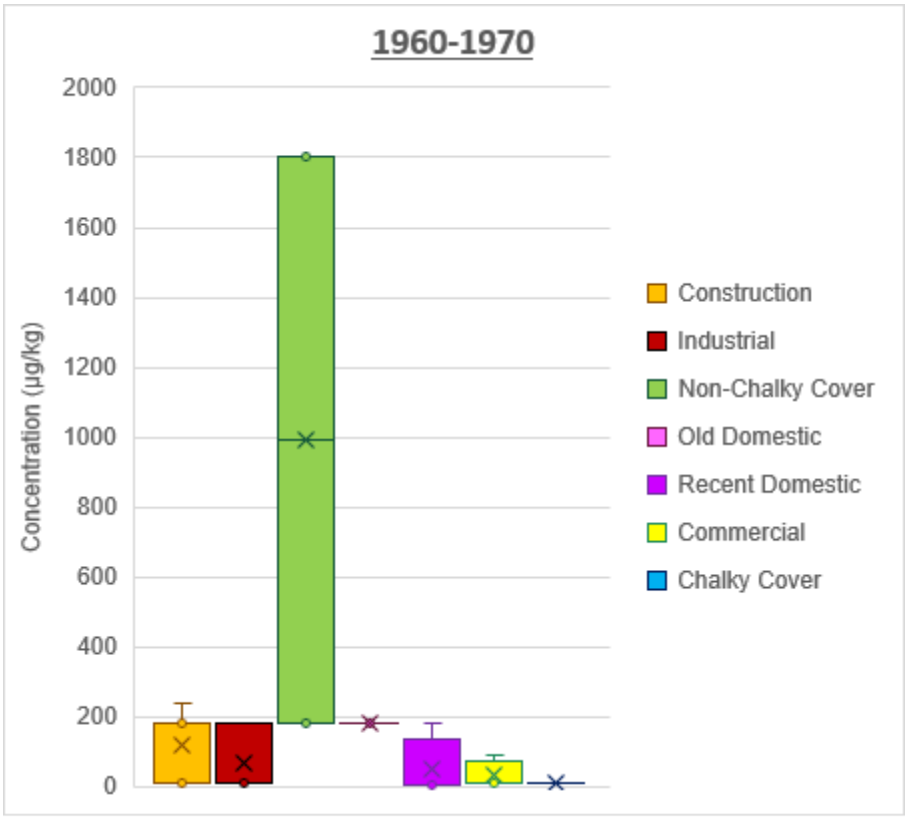


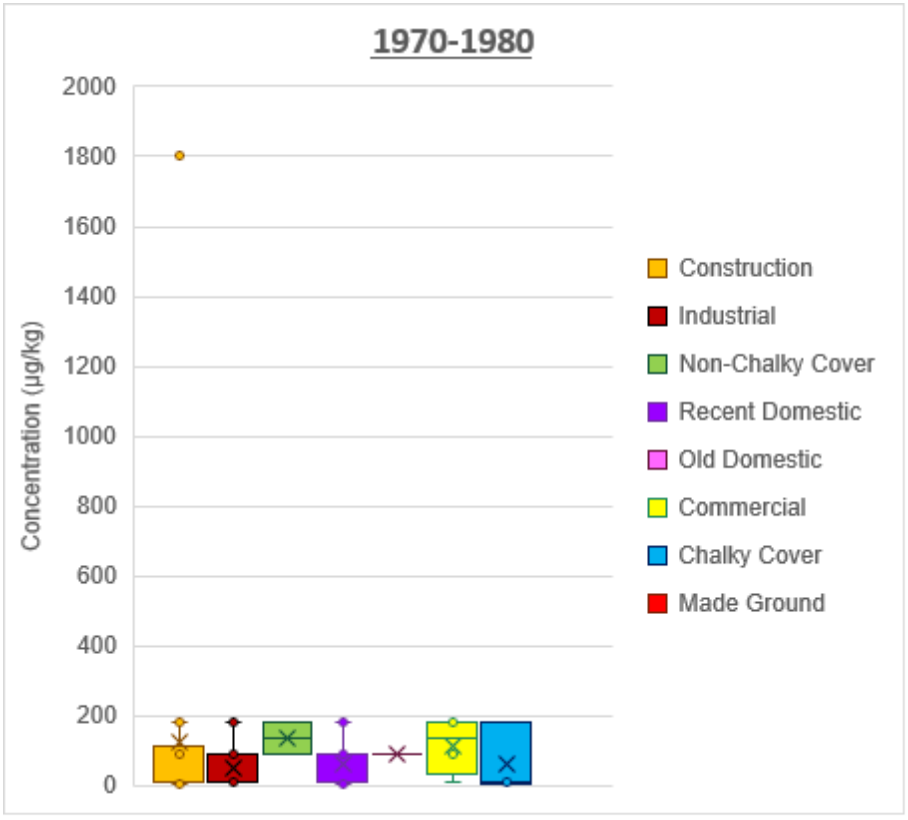
D30.4 Concentration by Era and Waste Type




1947-1955
Concentration (µg/kg)
200
180
160
140
120
100
80
60
40
20
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Commercial


1955-1960
Concentration (µg/kg)
200
180
160
140
120
100
80
60
40
20
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic


1960-1970
Concentration (µg/kg)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
Construction
Industrial
Non-Chalky Cover
Old Domestic
Recent Domestic
Commercial
Chalky Cover


1970-1980
Concentration (µg/kg)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
Construction
Industrial
Non-Chalky Cover
Recent Domestic
Old Domestic
Commercial
Chalky Cover
Made Ground

Appendix E- Human Health Generic Quantitative Risk Assessment

Appendix E

E1 Human Health Assessment Criteria

Screening value	Screening value	Units	ARUP GAC	Justification
General inorganics				
Total Cyanide	24	mg/kg	POS Park	
Complex Cyanides	24	mg/kg	POS Park	
Free Cyanide	24	mg/kg	POS Park	
Phenols				
Cresols	46100	mg/kg	POS Park	No GAC - Cresol is a total of methylphenols (2-methylphenol, 3-methylphenol and 4-methylphenol), therefore the lowest of the GACs for these compounds has been used (2-methylphenol)
Phenol	7600	mg/kg	POS Maintenance	
Trimethylphenol	46100	mg/kg	POS Park	No GAC - 3-methylphenol used
Speciated PAHs				
Naphthalene	193	mg/kg	Commerical	
Acenaphthylene	28900	mg/kg	POS Park	
Acenaphthene	28900	mg/kg	POS Park	
Fluorene	19600	mg/kg	POS Park	
Phenanthrene	6170	mg/kg	POS Park	
Anthracene	149000	mg/kg	POS Park	
Fluoranthene	6300	mg/kg	POS Park	
Pyrene	15100	mg/kg	POS Park	
Benzo(a)anthracene	48.8	mg/kg	POS Park	
Chrysene	91	mg/kg	POS Maintenance	
Benzo(b)fluoranthene	13.2	mg/kg	POS Park	
Benzo(k)fluoranthene	114	mg/kg	POS Maintenance	
Benzo(a)pyrene	10.8	mg/kg	POS Park	
Indeno(1,2,3-cd)pyrene	44	mg/kg	POS Maintenance	
Dibenzo(a,h)anthracene	1.15	mg/kg	POS Park	
Benzo(g,h,i)perylene	612	mg/kg	POS Maintenance	
Heavy metals and metalloids				
Antimony	3290	mg/kg	POS Park	
Arsenic	168	mg/kg	POS Park	
Barium	5770	mg/kg	POS Park	
Beryllium	11.7	mg/kg	Commerical	
Boron	46200	mg/kg	POS Park	
Cadmium	190	mg/kg	Commerical	
Chromium VI	220	mg/kg	POS Park	
Chromium III	33000	mg/kg	POS park	
Chromium Total	8570	mg/kg	Commerical	
Copper	44400	mg/kg	POS Park	
Lead	1300	mg/kg	POS Park	
Mercury	244	mg/kg	POS Park	
Molybdenum	2890	mg/kg	POS Park	
Nickel	804	mg/kg	POS Park	
Selenium	1850	mg/kg	POS Park	
Vanadium	2820	mg/kg	POS Maintenance	
Zinc	173000	mg/kg	POS park	
Monoaromatics				
Benzene	26.6	mg/kg	Commerical	
Toluene	56293	mg/kg	Commerical	
Ethylbenzene	5705.5	mg/kg	Commerical	
Xylenes	6603.1	mg/kg	Commerical	
MTBE	7480	mg/kg	Commerical	
Petroleum hydrocarbons				
TPH >C5-C6 Aliphatics	3190	mg/kg	Commerical	
TPH >C6-C8 Aliphatics	7780	mg/kg	Commerical	
TPH >C8-C10 Aliphatics	2000	mg/kg	Commerical	
TPH >C10-C12 Aliphatics	9690	mg/kg	Commerical	
TPH >C12-C16 Aliphatics	24700	mg/kg	POS Park	
TPH >C16-C21 Aliphatics	455000	mg/kg	POS Park	
TPH >C21-C35 Aliphatics	455000	mg/kg	POS Park	
TPH-CWG - Aliphatic >C16 - C35	455000	mg/kg	POS Park	
TPH-CWG - Aliphatic >C35 - C44	455000	mg/kg	POS Park	
TPH >C5-C7 Aromatics	27	mg/kg	Commerical	
TPH >C7-C8 Aromatics	56294	mg/kg	Commerical	
TPH >C8-C10 Aromatics	3460	mg/kg	Commerical	
TPH >C10-C12 Aromatics	9240	mg/kg	POS Park	
TPH >C12-C16 Aromatics	10200	mg/kg	POS Park	
TPH >C16-C21 Aromatics	7630	mg/kg	POS Park	
TPH >C21-C35 Aromatics	7820	mg/kg	POS Park	
TPH >C35-C44 Aromatics	7820	mg/kg	POS Park	

Screening value	Screening value	Units	ARUP GAC	Justification
VOCs				
Chloromethane	0.956	mg/kg	Commerical	
Chloroethane	901	mg/kg	Commerical	
Vinyl Chloride	0.0594	mg/kg	Commerical	
1,1-Dichloroethene	24.3	mg/kg	Commerical	
Cis-1,2 Dichloroethene	13.6	mg/kg	Commerical	
1,1 -Dichloroethane	263	mg/kg	Commerical	
Trichloromethane	99.1	mg/kg	Commerical	(Chloroform)
1,1,1-Trichloroethane	660	mg/kg	Commerical	
1,2-Dichloroethane	0.671	mg/kg	Commerical	
Trans-1,2 Dichloroethene	20.7	mg/kg	Commerical	
Tetrachloromethane	2.87	mg/kg	Commerical	
1,2-Dichloropropane	3.13	mg/kg	Commerical	
Trichloroethene	1.23	mg/kg	Commerical	
Bromodichloromethane	1.96	mg/kg	Commerical	
1,1,2-Trichloroethane	89.1	mg/kg	Commerical	
Dibromochloromethane	1.96	mg/kg	Commerical	
Tetrachloroethene	18.6	mg/kg	Commerical	
Chlorobenzene	55.6	mg/kg	Commerical	
1,1,1,2-Tetrachloroethane	108	mg/kg	Commerical	
m,p-Xylenes	5923.26	mg/kg	Commerical	
Styrene	3170	mg/kg	Commerical	
Tribromomethane	714	mg/kg	Commerical	(Bromoform)
o-Xylene	6603.1	mg/kg	Commerical	
1,1,2,2-Tetrachloroethane	274	mg/kg	Commerical	
Iso-propylbenzene	1300	mg/kg	Commerical	
Bromobenzene	91.5	mg/kg	Commerical	
Propylbenzene	3860	mg/kg	Commerical	
1,3,5 Trimethylbenzene	39.4	mg/kg	Commerical	No GAC - Arup GAC for 1,2,4-Trimethylbenzene used as surrogate
1,2,4 Trimethylbenzene	39.4	mg/kg	Commerical	
sec-Butylbenzene	26.6	mg/kg	Commerical	No GAC - benzene GAC used as a conservative surrogate.
1,3 Dichlorobenzene	29.9	mg/kg	Commerical	
p-Isopropyltoluene	1300	mg/kg	Commerical	No GAC - EIC GAC for isopropylbenzene used as precautionary surrogate. Isopropyltoluene likely to be less toxic as toluene group rather than benzene
1,2-Dichlorobenzene	2020	mg/kg	Commerical	
1,4 Dichlorobenzene	4220	mg/kg	Commerical	
n-Butylbenzene	26.6	mg/kg	Commerical	No GAC - benzene GAC used as a conservative surrogate.
1,2,4-Trichlorobenzene	215	mg/kg	Commerical	
Hexachlorobutadiene	30.7	mg/kg	Commerical	
1,2,3-Trichlorobenzene	102	mg/kg	Commerical	
Dichloromethane	257	mg/kg	Commerical	
Carbon disulphide	11	mg/kg	Commerical	
Xylenols	9180	mg/kg	POS Park	No GAC for group of compounds - EIC GAC for 2,4-dimethylphenol (Xylenol) used to represent group
SVOCs				
Phenol	7600	mg/kg	POS Park	
2-Chlorophenol	1010	mg/kg	POS Park	
2-Methylphenol	46100	mg/kg	POS Park	
Hexachloroethane	20.9	mg/kg	Commerical	
Nitrobenzene	26.6	mg/kg	Commerical	No GAC - aromatic nitro compound. Used in the manufacture of lubricating oils, dyes, pesticides and synthetic rubber. No toxicological information is available on its toxicological effects. Therefore benzene has been used as a conservative surrogate GAC.
4-Methylphenol	46000	mg/kg	POS Park	
Isophorone	26.6	mg/kg	Commerical	No GAC - cyclic ketone compound which is used in the production of polycarbonates. USEPA have classified it has a possible human carcinogen. Therefore benzene has been used a conservative surrogate GAC.
2-Nitrophenol	7600	mg/kg	POS Park	Phenolic compound. It is solid at room temperature and is not easily volatilised. Limited information on toxicological effects in humans. In the absence of any suitable criteria the GAC for phenol has been used as a surrogate.
2,4-Dimethylphenol	9180	mg/kg	POS Park	
Bis(2-chloroethoxy)methane	0.956	mg/kg	Commerical	This compound is used as a solvent and is a haloether. In the absence of any suitable criteria the GAC for the most conservative clorinated halogen (chloromethane) has been used as a surrogate.
2,4-Dichlorophenol	977	mg/kg	POS Park	
4-Chloro-3-methylphenol	46100	mg/kg	POS Park	3-methylphenol criteria used as substitue
2,4,6-trichlorophenol	1010	mg/kg	POS Park	
2,4,5-Trichlorophenol	1010	mg/kg	POS Park	No GAC - 2,4,6-Trichlorophenol use as substitue
2-Methylnaphthalene	193	mg/kg	Commerical	No GAC - Insufficient toxicological criteria to develop assessment criteria. Naphthalene used as surrogate assessment criteria in absence of data
2-Chloronaphthalene	370	mg/kg	Commerical	
Dimethylphthalate	2630	mg/kg	POS Park	Screened against most conservative phthalate (n-Dibutylphthalate) GAC in the absence of a GAC
2,6-Dinitrotoluene	468	mg/kg	POS Park	
2,4-Dinitrotoluene	928	mg/kg	POS Park	
Dibenzofuran	10.8	mg/kg	POS Park	No GAC - Dibenzofuran is a aromatic organic compound which two benzene rings fused to a central furan ring. It is commonly associated with coal tar. It is generally accepted to be relatively non-toxic and does not exhibt "dioxin like" behaviour. Benzo(a)pyrene has been used as a conservative surrogate GAC.
Diethyl phthalate	89300	mg/kg	POS Park	

Screening value	Screening value	Units	ARUP GAC	Justification
Hexachlorobenzene	28.9	mg/kg	POS Park	
Carbazole	10.8	mg/kg	POS Park	No GAC - Carbazole is a aromatic organic compounds consisting of two six membered benzene rings on either side of a five membered nitrogen containing ring. It is a common consistuent of tobacco smoke. There is insufficient evidence on its toxicity to derive a GAC. Therefore benzo(a)pyrene has been used as a conservative surrogate GAC.
Di-n-butyl phthalate	2630	mg/kg	POS Park	
Butyl benzyl phthalate	254000	mg/kg	POS Park	
Environmental Forensics				
4-Nitrophenol	7600	mg/kg	POS Park	Phenolic compound. It is solid at room temperature and is not easily volatilised. Limited information on toxicological effects in humans. In the absence of any suitable criteria the GAC for phenol has been used as a surrogate.
Perylene	10.8	mg/kg	POS Park	No GAC - perylene is a PAH compound. It is not classified as a carcinogen but its derivatives may be considered to be carcinogenic, therefore in the absence of an assessment criteria benzo(a)pyrene GAC has been used a surrogate.
Phthalates				
Bis(2-ethylhexyl)phthalate	16600	mg/kg	POS Park	
Di-n-octyl phthalate	20000	mg/kg	POS Park	
Triazine Pesticides				
Atrazine	379	mg/kg	POS Maintenance	
Organochlorine Pesticides				
Aldrin	7.8	mg/kg	POS Park	
alpha-HCH (alpha-BHC)	46.5	mg/kg	POS Park	
beta-HCH (beta-BHC)	13.3	mg/kg	POS Park	
Dieldrin	12.9	mg/kg	POS Park	
Endosulfan I	1950	mg/kg	POS Maintenance	
Endosulfan II	1960	mg/kg	POS Maintenance	
Organotins				
Tributyltin compounds	42.4	mg/kg	POS Park	
Chlorophenols				
Pentachlorophenol	113	mg/kg	POS Park	
2,3,4,6-Tetrachlorophenol	1000	mg/kg	POS Park	
Others				
Bromoform	714	mg/kg	Commerical	
Azobenzene	10.8	mg/kg	POS Park	Dye compound formed of two phenyl rings. Screened against benzene against as a conversative first assessment
2-Nitroaniline	10.8	mg/kg	POS Park	2-Nitroaniline is an organic compound with the formula $H_2NC_6H_4NO_2$. It is a derivative of aniline, carrying a nitro functional group in position 2. Conservatively screened against benzene in the first instance.
4-Nitroaniline	10.8	mg/kg	POS Park	It is an organic chemical compound, consisting of a benzene ring in which an amino group is para to a nitro group. Therefore screened against benzene as a conservative first assessment
4-Chloroaniline	10.8	mg/kg	POS Park	Used in the industrial production of pesticides, drugs, and dyestuffs. Consists of a benzene ring with nitro and chlorine compounds. Conservatively screened against benzene in the first instance.

Appendix E

E2 Groundwater Assessment Criteria

Screening value	Screening value	Units	Screening standard	Justification
General inorganics				
Total Cyanide	50	ug/l	UK DWS	DWS prioritised
Complex Cyanides	50	ug/l	UK DWS	DWS for total cyanide used
Free Cyanide	50	ug/l	UK DWS	DWS for total cyanide used
Thiocyanate as SCN	50	ug/l	UK DWS	DWS for total cyanide used
Sulphate as SO4	250000	ug/l	UK DWS	DWS prioritised
Sulphide	N/A	ug/l	-	-
Chloride	250	mg/l	UK DWS	DWS prioritised
Fluoride	1500	ug/l	UK DWS	DWS prioritised
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	DWS prioritised
Nitrate as N	11.3	mg/l	UK DWS	DWS for Nitrate as NO3 converted to Nitrate as N (NO3 x 0.2259)
Nitrate as NO3	50	mg/l	UK DWS	DWS prioritised
Nitrite as N	160	ug/l	UK DWS	DWS for Nitrite as NO2 converted to Nitrite as N (NO2 x 0.3257)
Nitrite as NO2	500	ug/l	UK DWS	DWS prioritised
Alkalinity	N/A	mg/l	-	-
Chemical Oxygen Demand (COD)	N/A	mg/l	-	-
Biological Oxygen Demand (BOD)	N/A	mg/l	-	-
Total Oxidised N (Nitrate/-ite)	50	mg/l	UK DWS	DWS for Nitrate as NO3 assumed
Total Suspended Solids	N/A	mg/l	-	-
Hardness - Total	N/A	mg/l	-	-
Bromide	N/A	mg/l	-	Bromide common constituent of groundwater and is naturally occurring
Bromate	0.01	mg/l	UK DWS	DWS prioritised
Phenols				
Catechol	7.7	ug/l	FEQS	EQS for phenol used (no UK DWS available)
Resorcinol	7.7	ug/l	FEQS	EQS for phenol used (no UK DWS available)
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	EQS for methylphenol used (no UK DWS available)
Cresols	100	ug/l	FEQS	EQS for methylphenol used (no UK DWS available)
Naphthols	7.7	ug/l	FEQS	EQS for phenol used (no UK DWS available)
Isopropylphenol	7.7	ug/l	FEQS	EQS for phenol used (no UK DWS available)
Phenol	7.7	ug/l	FEQS	EQS (no UK DWS available)
Trimethylphenol	100	ug/l	FEQS	EQS for methylphenol used (no UK DWS available)
Speciated PAHs				
Naphthalene	2	ug/l	FEQS	EQS (no UK DWS available)
Acenaphthylene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Acenaphthene	2000	ug/l	USEPA	USEPA DWS (no UK DWS available)
Fluorene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Phenanthrene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Anthracene	0.1	ug/l	FEQS	EQS (no UK DWS available)
Fluoranthene	0.0063	ug/l	FEQS	EQS (no UK DWS available)
Pyrene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Benzo(a)anthracene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Chrysene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	DWS prioritised
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	DWS prioritised
Benzo(a)pyrene	0.01	ug/l	UK DWS	DWS prioritised
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	DWS prioritised
Dibenzo(a,h)anthracene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	DWS prioritised
Heavy metals and metalloids				
Antimony	5	ug/l	UK DWS	DWS prioritised
Arsenic	10	ug/l	UK DWS	DWS prioritised
Barium	700	ug/l	WHO	WHO (no UK DWS available)
Beryllium	4	ug/l	USEPA	USEPA (no UK DWS available)
Boron	1000	ug/l	UK DWS	DWS prioritised
Cadmium	5	ug/l	UK DWS	DWS prioritised
Calcium	N/A	mg/l	-	-
Chromium VI	3.4	ug/l	FEQS	EQS (no UK DWS available)
Chromium III	4.7	ug/l	FEQS	EQS (no UK DWS available)
Chromium Total	50	ug/l	UK DWS	DWS prioritised
Copper	2000	ug/l	UK DWS	DWS prioritised
Iron	0.2	mg/l	UK DWS	DWS prioritised
Lead	10	ug/l	UK DWS	DWS prioritised
Magnesium	N/A	mg/l	-	-
Manganese	50	ug/l	UK DWS	DWS prioritised
Mercury	1	ug/l	UK DWS	DWS prioritised
Molybdenum	70	ug/l	WHO	WHO (no UK DWS available)
Nickel	20	ug/l	UK DWS	DWS prioritised
Potassium	N/A	mg/l	-	-
Selenium	10	ug/l	UK DWS	DWS prioritised
Sodium	50	mg/l	WHO	WHO (no UK DWS available)
Vanadium	20	ug/l	FEQS	EQS (no UK DWS available)
Zinc	5000	ug/l	USEPA	USEPA (no UK DWS available)

Screening value	Screening value	Units	Screening standard	Justification
Monoaromatics				
Benzene	1	ug/l	UK DWS	DWS prioritised
Toluene	74	ug/l	FEQS	EQS (no UK DWS available)
Ethylbenzene	20	ug/l	FEQS	EQS (no UK DWS available)
Xylenes	30	ug/l	FEQS	EQS (no UK DWS available)
MTBE	15	ug/l	WHO	WHO threshold for taste and odour in drinking water (no UK DWS available)
Petroleum hydrocarbons				
TPH	N/A	ug/l	-	
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	WHO (no UK DWS available)
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	WHO (no UK DWS available)
TPH >C8-C10 Aliphatics	300	ug/l	WHO	WHO (no UK DWS available)
TPH >C10-C12 Aliphatics	300	ug/l	WHO	WHO (no UK DWS available)
TPH >C12-C16 Aliphatics	300	ug/l	WHO	WHO (no UK DWS available)
TPH >C16-C21 Aliphatics	300	ug/l	WHO	WHO guideline for TPH >C12-C16 Aliphatics used (no UK DWS available)
TPH >C21-C35 Aliphatics	300	ug/l	WHO	WHO guideline for TPH >C12-C16 Aliphatics used (no UK DWS available)
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	WHO guideline for TPH >C12-C16 Aliphatics used (no UK DWS available)
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	WHO guideline for TPH >C12-C16 Aliphatics used (no UK DWS available)
C5-C35 Aliphatics	N/A	ug/l	-	-
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	-
TPH >C5-C6 Aromatics	10	ug/l	WHO	WHO (no UK DWS available)
TPH >C7-C8 Aromatics	700	ug/l	WHO	WHO (no UK DWS available)
TPH >C8-C9 Aromatics	300	ug/l	WHO	WHO (no UK DWS available)
TPH >C9-C10 Aromatics	300	ug/l	WHO	WHO (no UK DWS available)
TPH >C8-C10 Aromatics	300	ug/l	WHO	WHO (no UK DWS available)
TPH >C10-C12 Aromatics	90	ug/l	WHO	WHO (no UK DWS available)
TPH >C12-C16 Aromatics	90	ug/l	WHO	WHO (no UK DWS available)
TPH >C16-C21 Aromatics	90	ug/l	WHO	WHO (no UK DWS available)
TPH >C21-C35 Aromatics	90	ug/l	WHO	WHO (no UK DWS available)
TPH >C35-C44 Aromatics	90	ug/l	WHO	WHO guideline for TPH >C21-C35 Aromatics used (no UK DWS available)
C5-C35 Aromatics	N/A	ug/l	-	-
C5-C35 Aromatics	N/A	ug/l	-	-
VOCs				
Chloromethane	20	ug/l	FEQS	EQS for dichloromethane used (no UK DWS available)
Chloroethane	3	ug/l	UK DWS	DWS for 1,2-dichloroethane used
Bromomethane	100	ug/l	UK DWS	DWS for total trihalomethanes used which includes dibromomethane
Vinyl Chloride	0.5	ug/l	UK DWS	DWS prioritised
Trichlorofluoromethane	2.5	ug/l	FEQS	EQS for trichloromethane used (no UK DWS available)
1,1-Dichloroethene	7	ug/l	USEPA	USEPA (no UK DWS available)
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	EQS for 1,1,2-trichloroethane used (no UK DWS available)
Cis-1,2 Dichloroethene	50	ug/l	WHO	WHO (no UK DWS available)
1,1 -Dichloroethane	3	ug/l	UK DWS	DWS for 1,2-dichloroethane used
2,2-Dichloropropane	40	ug/l	WHO	WHO for 1,2-dichloropropane used (no UK DWS available)
Trichloromethane	2.5	ug/l	FEQS	EQS (no UK DWS available)
1,1,1-Trichloroethane	100	ug/l	FEQS	EQS (no UK DWS available)
1,2-Dichloroethane	3	ug/l	UK DWS	DWS prioritised
1,1-Dichloropropene	20	ug/l	WHO	WHO for 1,3-dichloropropene used (no UK DWS available)
Trans-1,2 Dichloroethene	50	ug/l	WHO	WHO (no UK DWS available)
Tetrachloromethane	3	ug/l	UK DWS	DWS prioritised
1,2-Dichloropropane	40	ug/l	WHO	WHO (no UK DWS available)
Trichloroethene	10	ug/l	UK DWS	DWS prioritised
Dibromomethane	100	ug/l	UK DWS	DWS prioritised
Bromodichloromethane	100	ug/l	UK DWS	DWS prioritised
Cis-1,3 Dichloropropene	20	ug/l	WHO	WHO (no UK DWS available)
Trans-1,3 Dichloropropene	20	ug/l	WHO	WHO (no UK DWS available)
1,1,2-Trichloroethane	400	ug/l	FEQS	EQS (no UK DWS available)
1,3-Dichloropropane	40	ug/l	WHO	WHO for 1,2-dichloropropane used (no UK DWS available)
Dibromochloromethane	100	ug/l	WHO	WHO (no UK DWS available)
Tetrachloroethene	10	ug/l	UK DWS	DWS prioritised
1,2-Dibromoethane	0.4	ug/l	WHO	WHO (no UK DWS available)
Chlorobenzene	0.4	ug/l	EQS	EQS for trichlorobenzene (no UK DWS available)
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	USEPA for 1,1,2,2-tetrachloroethane used (no UK DWS available)
m,p-Xylenes	30	ug/l	FEQS	EQS for total xylenes (no UK DWS available)
Styrene	20	ug/l	WHO	WHO (no UK DWS available)
Tribromomethane	100	ug/l	UK DWS	DWS for total trihalomethanes used which includes dibromomethane
o-Xylene	30	ug/l	FEQS	EQS for total xylenes (no UK DWS available)
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	USEPA (no UK DWS available)
Iso-propylbenzene	1	ug/l	UK DWS	UK DWS for benzene used
Bromobenzene	1	ug/l	UK DWS	UK DWS for benzene used
Propylbenzene	1	ug/l	UK DWS	UK DWS for benzene used
2-Chlorotoluene	74	ug/l	FEQS	EQS for toluene used (no UK DWS available)
4-Chlorotoluene	74	ug/l	FEQS	EQS for toluene used (no UK DWS available)
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	UK DWS for benzene used
tert-Butylbenzene	1	ug/l	UK DWS	UK DWS for benzene used
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	UK DWS for benzene used
sec-Butylbenzene	1	ug/l	UK DWS	UK DWS for benzene used
1,3 Dichlorobenzene	3000	ug/l	USEPA	USEPA (no UK DWS available)

Screening value	Screening value	Units	Screening standard	Justification
p-Isopropyltoluene	74	ug/l	FEQS	EQS for toluene used (no UK DWS available)
1,2-Dichlorobenzene	1000	ug/l	WHO	WHO (no UK DWS available)
1,4 Dichlorobenzene	300	ug/l	WHO	WHO (no UK DWS available)
n-Butylbenzene	1	ug/l	UK DWS	UK DWS for benzene used
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	WHO (no UK DWS available)
1,2,4-Trichlorobenzene	70	ug/l	USEPA	USEPA (no UK DWS available)
Hexachlorobutadiene	0.6	ug/l	WHO	WHO (no UK DWS available)
2,6 Chloronitrotoluene	74	ug/l	FEQS	EQS for toluene used (no UK DWS available)
4,2 Chloronitrotoluene	74	ug/l	FEQS	EQS for toluene used (no UK DWS available)
4,3 Chloronitrotoluene	74	ug/l	FEQS	EQS for toluene used (no UK DWS available)
2,4 Chloronitrotoluene	74	ug/l	FEQS	EQS for toluene used (no UK DWS available)
2,5 Chloronitrotoluene	74	ug/l	FEQS	EQS for toluene used (no UK DWS available)
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	EQS for trichlorobenzene (no UK DWS available)
1,2,3-Trichloropropane	40	ug/l	WHO	WHO for 1,2-dichloropropane used (no UK DWS available)
1,3,5-Trichlorobenzene	0.4	ug/l	FEWS	EQS for trichlorobenzene (no UK DWS available)
Bromochloromethane	100	ug/l	WHO	WHO for dibromochloromethane used (no UK DWS available)
Dichloromethane	20	ug/l	FEQS	EQS (no UK DWS available)
Carbon disulphide	10	ug/l	Default	No suitable published criteria available default value of 10ug/l adopted
Dichlorodifluoromethane	20	ug/l	FEQS	EQS used for dichloromethane (no UK DWS available)
SVOCs				
Phenol	7.7	ug/l	FEQS	EQS (no UK DWS available)
2-Chlorophenol	50	ug/l	FEQS	EQS (no UK DWS available)
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	USEPA for bis(2-chloro-1-methylethyl)ether used (no UK DWS available)
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	USEPA for bis(2-chloro-1-methylethyl)ether used (no UK DWS available)
2-Methylphenol	100	ug/l	FEQS	EQS for methylphenol used (no UK DWS available)
Hexachloroethane	40	ug/l	USEPA	USEPA (no UK DWS available)
Nitrobenzene	1	ug/l	UK DWS	UK DWS for benzene used
4-Methylphenol	100	ug/l	FEQS	EQS for methylphenol used (no UK DWS available)
Isophorone	7000	ug/l	USEPA	USEPA (no UK DWS available)
2-Nitrophenol	7.7	ug/l	FEQS	EQS for phenol used (no UK DWS available)
2,4-Dimethylphenol	100	ug/l	FEQS	EQS for methylphenol used (no UK DWS available)
Bis(2-chloroethoxy)methane	10	ug/l	Default	No suitable published criteria available default value of 10ug/l adopted
2,4-Dichlorophenol	4.2	ug/l	FEQS	EQS (no UK DWS available)
4-Chloro-3-methylphenol	40	ug/l	FEQS	EQS (no UK DWS available)
2,4,6-trichlorophenol	200	ug/l	WHO	WHO (no UK DWS available)
2,4,5-Trichlorophenol	200	ug/l	WHO	WHO for 2,4,6-trichlorophenol used (no UK DWS available)
2-Methylnaphthalene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
2-Chloronaphthalene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Dimethylphthalate	800	ug/l	FEQS	EQS (no UK DWS available)
2,6-Dinitrotoluene	100	ug/l	USEPA	USEPA for 2,4-dinitrotoluene used (no UK DWS available)
2,4-Dinitrotoluene	100	ug/l	USEPA	USEPA (no UK DWS available)
Dibenzofuran	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Diethyl phthalate	200	ug/l	FEQS	EQS (no UK DWS available)
Bromophenyl phenyl ether	10	ug/l	Default	No suitable published criteria available default value of 10ug/l adopted
Hexachlorobenzene	1	ug/l	USEPA	USEPA (no UK DWS available)
Carbazole	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Di-n-butyl phthalate	8	ug/l	FEQS	EQS (no UK DWS available)
Butyl benzyl phthalate	7.5	ug/l	FEQS	EQS (no UK DWS available)
PCBs by GC-ECD - WHO 12				
PCB Congener 77	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 81	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 105	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 114	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 118	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 123	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 126	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 156	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 157	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 167	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 169	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 189	25	ug/l	FEQS	EQS (no UK DWS available)
PCBs	25	ug/l	FEQS	EQS (no UK DWS available)
Environmental Forensics				
PFOS	0.3	ug/l	FEQS	DWS
PFOA	0.3	ug/l	FEQS	DWS for PFOS used
Metaldehyde	0.1	ug/l	UK DWS	DWS for other pesticides prioritised
Chloronitrotoluenes (sum)	10	ug/l	FEQS	EQS (no DWS available). EQS is an EA operational EQS and is not listed within WFD.
Chlorbufam	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Chloroxuron	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Chlorpropham	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Ethiofencarb	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Phenmedipham	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Propham	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Dimefuron	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Metoxuron	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Pencycuron	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised

Screening value	Screening value	Units	Screening standard	Justification
o,p-Methoxychlor	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Demeton-s-methyl	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Diclofop	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Fenvalerate	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Cyhalothrin	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Ametryn	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Atrazine-methoxy	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Bromacil	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Flamprop	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Flamprop-isopropyl	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Prometon	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Simetryn	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
4-Nitrophenol	7.7	ug/l	FEQS	EQS for phenol used (no UK DWS available)
Hexachlorocyclopentadiene	50	ug/l	USEPA	USEPA (no UK DWS available)
Perylene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Carbamates				
Pirimicarb	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Carbetamide	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Phthalates				
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	WHO for di(2-ethylhexyl)phthalate used (no UK DWS available)
Di-n-octyl phthalate	20	ug/l	FEQS	EQS (no UK DWS available)
Total phthalates	N/A	mg/l	-	-
Glycols				
Ethylene Glycol	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Diethylene Glycol	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
1,2-Propanediol	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Triazine Pesticides				
Atrazine	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Simazine	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Prometryn	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Propazine	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Terbuthylazine	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Terbutryn	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Acid herbicides esters				
2,4-D Methyl Ester	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
2,4-D butyl ester	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
2,4-D ethyl ester	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
2,4-D isobutyl ester	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
2,4-D isopropyl ester	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Acid Herbicides				
2,3,6-TBA	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Benazolin	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Bromoxynil	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Clopyralid	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Ioxynil	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
2,4,5-T	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
2,4,5-TP	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
2,4-D	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
2,4-DB	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Dicamba	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Dichlorprop	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
MCPA	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
MCPB	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Mecoprop	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Picloram	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Organochlorine Pesticides				
Aldrin	0.03	ug/l	UK DWS	DWS 'pesticides' prioritised
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Dieldrin	0.03	ug/l	UK DWS	DWS 'pesticides' prioritised
Endosulfan	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Endosulfan	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Endosulfan Sulphate	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Endrin	0.6	ug/l	WHO	DWS 'other pesticides' prioritised
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Heptachlor	0.03	ug/l	UK DWS	DWS 'pesticides' prioritised
Heptachlor Epoxide	0.03	ug/l	UK DWS	DWS 'pesticides' prioritised
Isodrin	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Methoxychlor	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
o,p-DDE	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
DDT	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
p,p-DDE	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised

Screening value	Screening value	Units	Screening standard	Justification
DDT	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Trifluralin	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Organonitrogen pesticides				
Bentazone	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Fluroxypyr	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Triclorpyr	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Organophosphorous pesticides				
Azinphos-ethyl	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Azinphos-methyl	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Chlorfenvinphos	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Chlorfenvinphos I	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Chlorfenvinphos II	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Diazinon	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Dichlorvos	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Dimethoate	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
E-mevinphos	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Z-Mevinphos	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Ethion	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Fenitrothion	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Fenthion	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Malathion	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Parathion-ethyl	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Parathion-methyl	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Phenylurea herbicides				
Isoproturon	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Chlortoluron	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Diflubenzuron	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Diuron	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Linuron	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Methabenzthiazuron	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Monolinuron	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Monuron	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
VFAs				
Acetic acid	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Propanoic acid	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Butyric acid	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Isobutyric acid	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Pentanoic acid	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Isopentanoic acid	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Hexanoic acid	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Heptanoic acid	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Pyrethroids				
Cyfluthrin	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Cypermethrin	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Deltramethrin	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Permethrin	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Permethrin	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Organotins				
Tributyltin compounds	0.2	ng/l	FEQS	EQS (no UK DWS available)
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	EQS for tributyl tin compounds used (no UK DWS available)
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	EQS for tributyl tin compounds used (no UK DWS available)
Chlorophenols				
Pentachlorophenol	0.0004	mg/l	FEQS	EQS (no UK DWS available)
Others				
Chlordane	0.0001	mg/l	UK DWS	DWS 'other pesticides' prioritised
Chlorothalonil	0.0001	mg/l	UK DWS	DWS 'other pesticides' prioritised
Chlorpyrifos	0.0001	mg/l	UK DWS	DWS 'other pesticides' prioritised
Pendimethalin	0.0003	mg/l	FEQS	DWS 'other pesticides' prioritised
Bromoform	0.1	mg/l	WHO	WHO (no UK DWS available)
Carbon Tetrachloride	0.003	mg/l	UK DWS	DWS prioritised
Lambda-cyhalothrin	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Methane	N/A	ug/l	-	-

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH105	AEC17-H24-BH105	AEC17-H24-BH105	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106
						Sample Top	0.60	1.50	3.00	6.00	1.20	12.00	17.00	20.00	3.00	7.00	1.00	1.50	3.50	0.30	1.50	2.30	4.30	0.30	1.70	3.00	0.30	1.30	2.30	4.30
						Sample Ref																								
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg		< 0.01		< 0.01	< 0.01										< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		< 0.01		< 0.01	< 0.01										< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 0.03	< 0.03	< 0.03	< 0.03										< 0.03	< 0.03	< 0.03	< 0.03	0.2	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 0.03	< 0.03	< 0.03	< 0.03										< 0.03	< 0.03	< 0.03	< 0.03	1.4	< 0.03	< 0.03	0.1	< 0.03	< 0.1	< 0.03
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg		< 0.01		< 0.01	< 0.01										< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		< 0.03	< 0.03	< 0.03	< 0.03										< 0.03	< 0.03	< 0.03	< 0.03	0.7	< 0.03	< 0.03	0.1	< 0.03	< 0.03	< 0.03
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		< 0.03	< 0.03	< 0.03	< 0.03										< 0.03	< 0.03	< 0.03	< 0.03	0.5	< 0.03	< 0.03	0.1	< 0.03	< 0.03	< 0.03
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg		< 0.03	< 0.03	< 0.03	< 0.03										< 0.03	< 0.03	< 0.03	< 0.03	1.1	< 0.03	< 0.03	0.1	< 0.03	< 0.1	< 0.03
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 0.03	< 0.03	< 0.03	< 0.03										< 0.03	< 0.03	< 0.03	< 0.03	1.6	< 0.03	< 0.03	0.2	< 0.03	< 0.1	< 0.03
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		< 0.03	< 0.03	< 0.03	< 0.03										< 0.03	< 0.03	< 0.03	< 0.03	0.4	< 0.03	< 0.03	< 0.03	< 0.03	< 0.1	< 0.03
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 0.03	< 0.03	< 0.03	< 0.03										< 0.03	< 0.03	< 0.03	< 0.03	0.1	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		< 0.03	< 0.03	< 0.03	< 0.03										< 0.03	< 0.03	< 0.03	< 0.03	0.8	< 0.03	< 0.03	0.1	< 0.03	< 0.1	< 0.03
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg		< 0.03	< 0.03	< 0.03	< 0.03										< 0.03	< 0.03	< 0.03	< 0.03	0.8	< 0.03	< 0.03	0.1	< 0.03	< 0.1	< 0.03
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg		< 0.03	< 0.03	< 0.03	< 0.03										< 0.03	< 0.03	< 0.03	< 0.03	0.2	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 0.03	< 0.03	< 0.03	< 0.03										< 0.03	< 0.03	< 0.03	< 0.03	0.7	< 0.03	< 0.03	0.1	< 0.03	< 0.1	< 0.03
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg		0.3	0.2	< 0.1	< 0.1										0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg		< 0.01		< 0.01	< 0.01										< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		30.0	18.0	22.0	2.4										18.0	20.0	31.0	17.0	6.7	26.0	23.0	16.0	32.0	8.1	26.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 0.05	0.1	0.1	< 0.05										< 0.05	0.1	0.1	0.2	< 0.05	< 0.05	0.2	< 0.05	< 0.05	< 0.05	0.3
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		13.0	50.0	51.0	4.8										13.0	28.0	37.0	34.0	9.0	20.0	33.0	17.0	29.0	23.0	41.0
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg		2.2	2.6	4.0	< 1.0										< 1.0	1.4	1.2	1.1	< 1.0	2.1	1.3	1.2	1.5	1.4	1.0
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		9.6	21.0	21.0	2.4										8.5	14.0	13.0	10.0	4.2	19.0	14.0	10.0	15.0	30.0	13.0
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		1.8	1.6	1.9	0.2										0.5	1.5	2.4	2.6	< 0.2	1.2	2.2	0.7	1.6	0.7	3.0
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		1.4	< 0.2	0.8	0.8										1.5	1.5	0.9	0.7	0.9	0.7	0.7	0.8	0.9	1.3	1.0
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		0.6	0.8	1.2	0.2										0.2	< 0.1	< 0.1	0.3	< 0.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	0.6
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		19.0	35.0	77.0	4.6										15.0	42.0	39.0	33.0	8.7	58.0	34.0	24.0	35.0	25.0	36.0
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		21.0	25.0	33.0	5.0										19.0	28.0	43.0	37.0	12.0	23.0	36.0	26.0	32.0	10.0	44.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		31.0	48.0	89.0	9.0										36.0	74.0	79.0	63.0	37.0	79.0	72.0	57.0	78.0	82.0	77.0
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		61.0	93.0	110.0	26.0										46.0	69.0	90.0	100.0	36.0	61.0	98.0	53.0	98.0	47.0	110.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 0.5	< 0.5	0.5	< 0.5										< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 0.03	< 0.03	< 0.03	< 0.03										< 0.03	< 0.03	< 0.03	< 0.03	0.2	< 0.03	< 0.03	< 0.03	< 0.03	< 0.1	< 0.03
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 0.03	< 0.03	< 0.03	< 0.03										< 0.03	< 0.03	< 0.03	< 0.03	0.9	< 0.03	< 0.03	0.1	< 0.03	< 0.03	< 0.03
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 0.03	< 0.03	< 0.03	< 0.03										< 0.03	< 0.03	< 0.03	< 0.03	0.1	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg		< 0.03	< 0.03	< 0.03	< 0.03										< 0.03	< 0.01	< 0.03	< 0.03	0.0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		< 0.3	< 0.3	< 0.3	< 0.3										< 0.3	< 0.3	0.4	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	0.3
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		< 0.01														< 0.01	< 0.01			< 0.01				< 0.01	
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg		< 0.01														< 0.01	< 0.01			< 0.01				< 0.01	
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 0.9														< 0.9	< 0.9			< 0.9				< 0.9	
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 0.5														< 0.5	< 0.5			1.4				2.0	
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 0.6														< 0.6	< 0.6			2.6				3.9	
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 1.4														< 1.4	< 1.4			11.0				8.9	
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg		< 0.01														< 0.01	< 0.01			< 0.01				< 0.01	
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg		< 0.01														< 0.01	< 0.01			< 0.01				< 0.01	
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg		< 0.01														< 0.01	< 0.01			< 0.01				< 0.01	
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg		< 1.5														< 1.5	< 1.5			< 1.5				< 1.5	
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 1.2														< 1.2	< 1.2			< 1.2				< 1.2	
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 1.5														< 1.5	< 1.5			< 1.5				2.0	
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 3.4														< 3.4	< 3.4			3.6				4.8	
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg		< 0.01														< 0.01	< 0.01			< 0.01				< 0.01	
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																< 0.1	< 0.1			< 0.1				< 0.1	
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																< 0.1	< 0.1			< 0.1				< 0.1	
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																< 0.01	< 0.01			< 0.01				< 0.01	
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																< 0.1	< 0.1			< 0.1				< 0.1	

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH105	AEC17-H24-BH105	AEC17-H24-BH105	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106
						Sample Top	0.60	1.50	3.00	6.00	1.20	12.00	17.00	20.00	3.00	7.00	1.00	1.50	3.50	0.30	1.50	2.30	4.30	0.30	1.70	3.00	0.30	1.30	2.30	4.30
						Sample Ref																								
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
Phenol	7600	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
Chloroform	99.1	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
Tribromomethane	714	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg															< 0.01	< 0.01			< 0.01				< 0.01	
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg															< 0.1	< 0.1			< 0.1				< 0.1	

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	Sample Top	Sample Ref	AEC17-H24-BH101 ES	AEC17-H24-BH101 ES	AEC17-H24-BH101 ES	AEC17-H24-BH101 ES	AEC17-H24-BH102 ES	AEC17-H24-BH102 ES	AEC17-H24-BH102 ES	AEC17-H24-BH102 ES	AEC17-H24-BH102 ES	AEC17-H24-BH102 ES	AEC17-H24-BH103 ES	AEC17-H24-BH103 ES	AEC17-H24-BH103 ES	AEC17-H24-BH104 ES	AEC17-H24-BH104 ES	AEC17-H24-BH104 ES	AEC17-H24-BH104 ES	AEC17-H24-BH105 ES	AEC17-H24-BH105 ES	AEC17-H24-BH105 ES	AEC17-H24-BH106 ES	AEC17-H24-BH106 ES	AEC17-H24-BH106 ES	AEC17-H24-BH106 ES
						Sample Top			0.60	1.50	3.00	6.00	1.20	12.00	17.00	20.00	3.00	7.00	1.00	1.50	3.50	0.30	1.50	2.30	4.30	0.30	1.70	3.00	0.30	1.30	2.30	4.30
						Sample Ref																										
						Sample Type			ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
O-Xylene	6603.1	Commercial	mg/kg	0	mg/kg																< 0.01	< 0.01			< 0.01				< 0.01		
2-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																< 0.1	< 0.1			< 0.1				< 0.1		
1,2-Dichlorobenzene	2020	Commercial	mg/kg	0	mg/kg																< 0.01	< 0.01			< 0.01				< 0.01		
2-Chlorophenol	1010	POS PARK	mg/kg	0	mg/kg																< 0.1	< 0.1			< 0.1				< 0.1		
1,2,4-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																< 0.01	< 0.01			< 0.01				< 0.01		
2,4,5-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																< 0.1	< 0.1			< 0.1				< 0.1		
Isopropylbenzene	1300	Commercial	mg/kg	0	mg/kg																< 0.01	< 0.01			< 0.01				< 0.01		
4-Isopropyltoluene	1300	Commercial	mg/kg	0	mg/kg																< 0.01	< 0.01			< 0.01				< 0.01		
m,p xylenes	5923.3	Commercial	mg/kg	0	mg/kg																< 0.01	< 0.01			< 0.01				< 0.01		
Chromium - Hexavalent	220	POS PARK	mg/kg	0	mg/kg																										
Cyanide Free	168	Commercial	mg/kg	0	mg/kg																										
Complex Cyanide	3460	POS PARK	mg/kg	0	mg/kg																										
4-Nitrophenol	7600000	POS PARK	ug/kg	0	ug/kg																										
Ethylbenzene	5705504.8	Commercial	ug/kg	0	ug/kg																										
Styrene	3170000	Commercial	ug/kg	0	ug/kg																										
n-Propylbenzene	3860000	Commercial	ug/kg	0	ug/kg																										
n-Butylbenzene	26597.9	Commercial	ug/kg	0	ug/kg																										
2,4-Dimethylphenol	9180000	POS PARK	ug/kg	0	ug/kg																										
4-Methylphenol	46000000	POS PARK	ug/kg	0	ug/kg																										
1,4-Dichlorobenzene	4220000	Commercial	ug/kg	0	ug/kg																										
1,2-Dichloroethane	671	Commercial	ug/kg	0	ug/kg																										
1,3,5-Trimethylbenzene	39400	Commercial	ug/kg	3	ug/kg																										
Bromobenzene	91500	Commercial	ug/kg	0	ug/kg																										
Toluene VOC	56293712.79	Commercial	ug/kg	0	ug/kg																										
Chlorobenzene	55600	Commercial	ug/kg	0	ug/kg																										
Phenol SVOC	7600000	POS PARK	ug/kg	0	ug/kg																										
Bis(2-chloroethoxy)methane	956	Commercial	ug/kg	1	ug/kg																										
Bis(2-ethylhexyl)phthalate	16600000	POS PARK	ug/kg	0	ug/kg																										
n-Dioctylphthalate	20000000	POS PARK	ug/kg	0	ug/kg																										
Hexachlorobenzene	28900	POS PARK	ug/kg	0	ug/kg																										
1,2,4-Trichlorobenzene	215000	Commercial	ug/kg	0	ug/kg																										
2,4-Dichlorophenol	977000	POS PARK	ug/kg	0	ug/kg																										
2,4-Dinitrotoluene	928000	POS PARK	ug/kg	0	ug/kg																										
Dibromochloromethane	1960	Commercial	ug/kg	0	ug/kg																										
Tetrachloroethene	18600	Commercial	ug/kg	0	ug/kg																										
Dimethyl phthalate	2630000	POS PARK	ug/kg	0	ug/kg																										
Dibenzofuran	10800	POS PARK	ug/kg	5	ug/kg																										
sec-Butylbenzene	26597.8811	Commercial	ug/kg	0	ug/kg																										
cis 1,2-Dichloroethene	13600	Commercial	ug/kg	0	ug/kg																										
trans 1,2-Dichloroethene	20700	Commercial	ug/kg	0	ug/kg																										
Perylene	10800000	POS PARK	ug/kg	0	ug/kg																										
1,3-Dichlorobenzene	29900	Commercial	ug/kg	0	ug/kg																										
Carbon Tetrachloride	2870	Commercial	ug/kg	0	ug/kg																										
4-Chloro-3-methylphenol	46100000	POS PARK	ug/kg	0	ug/kg																										
2,6-Dinitrotoluene	468000	POS PARK	ug/kg	0	ug/kg																										
1,1,1,2-Tetrachloroethane	108000	Commercial	ug/kg	0	ug/kg																										
Chloroform	99100	Commercial	ug/kg	0	ug/kg																										
Hexachloroethane	20900000	Commercial	ug/kg	0	ug/kg																										
Benzene VOC	26597.9	Commercial	ug/kg	0	ug/kg																										
1,1,1-Trichloroethane	660000	Commercial	ug/kg	0	ug/kg																										
Barium	5770	POS PARK	mg/kg	0	mg/kg																										
Chloromethane	956000	Commercial	ug/kg	0	ug/kg																										
Chloroethane	904000000	Commercial	ug/kg	0	ug/kg																										

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Hole Ref	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH105	AEC17-H24-BH105	AEC17-H24-BH105	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106
					Sample Top	0.60	1.50	3.00	6.00	1.20	12.00	17.00	20.00	3.00	7.00	1.00	1.50	3.50	0.30	1.50	2.30	4.30	0.30	1.70	3.00	0.30	1.30	2.30	4.30
					Sample Ref																								
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	59.4	Commercial	ug/kg	0	ug/kg																								
Dichloromethane VOC	257000000	Commercial	ug/kg	0	ug/kg																								
Carbon Disulphide	11000000	Commercial	ug/kg	0	ug/kg																								
Bromoform	714000	Commercial	ug/kg	0	ug/kg																								
Bromodichloromethane	1960	Commercial	ug/kg	0	ug/kg																								
1,1-Dichloroethane	263000	Commercial	ug/kg	0	ug/kg																								
1,1-Dichloroethene	24300	Commercial	ug/kg	0	ug/kg																								
Isophorone	26597881.1	Commercial	ug/kg	0	ug/kg																								
1,2-Dichloropropane	3130	Commercial	ug/kg	0	ug/kg																								
1,1,2-Trichloroethane	89100	Commercial	ug/kg	0	ug/kg																								
Trichloroethene	1230	Commercial	ug/kg	0	ug/kg																								
1,1,2,2-Tetrachloroethane	274000000	Commercial	ug/kg	0	ug/kg																								
Diethyl phthalate	89300000	POS PARK	ug/kg	0	ug/kg																								
n-Dibutylphthalate	2630000	POS PARK	ug/kg	0	ug/kg																								
Butylbenzyl phthalate SVOC	254000000	POS PARK	ug/kg	0	ug/kg																								
Carbazole	10800	POS PARK	ug/kg	2	ug/kg																								
1,2,3-Trichlorobenzene	102000	Commercial	ug/kg	0	ug/kg																								
Hexachlorobutadiene	30700	Commercial	ug/kg	0	ug/kg																								
Pentachlorophenol	113000	POS PARK	ug/kg	0	ug/kg																								
2,4,6-Trichlorophenol	1010000	POS PARK	ug/kg	0	ug/kg																								
2-Nitrophenol	7600000000	POS PARK	ug/kg	0	ug/kg																								
2-Methylnaphthalene (SVOC) DEFAULT	193000	Commercial	ug/kg	2	ug/kg																								
2-Chloronaphthalene	370000	Commercial	ug/kg	0	ug/kg																								
o-Xylene	6603100.7	Commercial	ug/kg	0	ug/kg																								
2-Methylphenol	46100000	POS PARK	ug/kg	0	ug/kg																								
1,2-Dichlorobenzene	2020000	Commercial	ug/kg	0	ug/kg																								
2-Chlorophenol	1010000	POS PARK	ug/kg	0	ug/kg																								
1,2,4-Trimethylbenzene	39400	Commercial	ug/kg	5	ug/kg																								
2,4,5-Trichlorophenol	1010000	POS PARK	ug/kg	0	ug/kg																								
Isopropylbenzene	1300000	Commercial	ug/kg	0	ug/kg																								
Nitrobenzene	26597881.1	Commercial	ug/kg	0	ug/kg																								
4-Isopropyltoluene	1300000	Commercial	ug/kg	0	ug/kg																								
m & p Xylene	5923262.7	Commercial	ug/kg	0	ug/kg																								
Aro >C8-C9	7220	POS PARK	mg/kg	0	mg/kg																								
Aro >C9-C10	7220	POS PARK	mg/kg	0	mg/kg																								
Tributyltin SUBCON i2	42400000	POS PARK	ug/kg	0	ug/kg																								
Atrazine SUBCON Alcontrol	379000000	POS Maintenance	ug/kg	0	ug/kg																								
Aldrin SUBCON Alcontrol	7800000	POS PARK	ug/kg	0	ug/kg																								
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	46500000	POS PARK	ug/kg	0	ug/kg																								
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	13300000	POS PARK	ug/kg	0	ug/kg																								
Endosulphan II	1960000000	POS Maintenance	ug/kg	0	ug/kg																								
Dieldrin SUBCON Alcontrol	12900000	POS PARK	ug/kg	0	ug/kg																								
Dichlorvos	26000000	POS PARK	ug/kg	0	ug/kg																								
Endosulphan I	1950000000	POS Maintenance	ug/kg	0	ug/kg																								
Aro >C35-C44	7820	POS PARK	mg/kg	0	mg/kg																								
Ali >C35-C44	455000	POS PARK	mg/kg	0	mg/kg																								
Anthracene SVOC	149000000	POS PARK	ug/kg	0	ug/kg																								
Pyrene SVOC	15100000	POS PARK	ug/kg	0	ug/kg																								
Benzo(ghi)perylene SVOC	612000	POS Maintenance	ug/kg	0	ug/kg																								
Indeno(1,2,3-cd)pyrene SVOC	44000	POS Maintenance	ug/kg	1	ug/kg																								
Benzo(b)fluoranthene SVOC	13200	POS PARK	ug/kg	7	ug/kg																								
Fluoranthene SVOC	6300000	POS PARK	ug/kg	0	ug/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Hole Ref	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH105	AEC17-H24-BH105	AEC17-H24-BH105	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106
					Sample Top	0.60	1.50	3.00	6.00	1.20	12.00	17.00	20.00	3.00	7.00	1.00	1.50	3.50	0.30	1.50	2.30	4.30	0.30	1.70	3.00	0.30	1.30	2.30	4.30
					Sample Ref																								
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg																								
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg																								
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg																								
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg																								
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg																								
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg																								
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg																								
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC17-H24-TP101	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-WS101	AEC17-H24-WS102	AEC17-H24-WS102	AEC17-H24-WS103	AEC17-H24-WS104	AEC17-H24-WS105
						Sample Top	3.50	0.25	0.90	1.90	3.00	0.30	1.40	2.00	0.30	0.50	0.80	1.30	2.00	0.30	0.90	2.00	3.00	4.00	3.00	1.50	4.50	2.50	5.00	4.00
						Sample Ref																								
					ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.1	0.2	< 0.03	< 0.03	0.4	< 0.1	0.1			< 0.03	< 0.03	0.4	0.2	0.1	0.8	< 0.03		< 0.03						
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.5	1.4	0.2	0.1	2.2	0.2	0.5			< 0.03	0.2	2.7	1.1	0.6	6.7	< 0.03		< 0.03						
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		0.4	1.2	< 0.1	< 0.03	0.7	0.1	0.2			< 0.03	< 0.1	1.1	0.5	0.1	3.3	< 0.03		< 0.03						
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		0.3	0.8	< 0.1	< 0.03	0.6	< 0.1	0.1			< 0.03	< 0.1	0.8	0.4	0.1	2.5	< 0.03		< 0.03						
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg		0.5	1.5	0.1	0.0	1.6	0.2	0.3			< 0.03	0.1	2.2	1.2	0.4	6.0	< 0.03		< 0.03						
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.5	1.5	0.2	0.1	2.4	0.2	0.5			0.0	0.2	3.1	1.2	0.7	7.2	< 0.03		< 0.03						
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		0.2	0.4	< 0.1	< 0.03	0.6	< 0.1	0.2			< 0.03	< 0.1	0.7	0.4	0.1	1.8	< 0.03		< 0.03						
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 0.03	0.1	< 0.03	< 0.03	0.2	< 0.1	< 0.03			< 0.03	< 0.03	0.1	< 0.1	< 0.03	0.2	< 0.03		< 0.03						
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		0.3	0.8	0.1	< 0.03	1.0	< 0.1	0.2			< 0.03	0.1	1.4	0.6	0.2	3.3	< 0.03		< 0.03						
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg		0.3	0.9	< 0.1	< 0.03	1.1	0.1	0.2			< 0.03	< 0.1	1.5	0.7	0.2	4.0	< 0.03		< 0.03						
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg		0.1	0.2	< 0.03	< 0.03	0.1	< 0.03	< 0.03			< 0.03	< 0.03	0.2	0.1	< 0.03	0.6	< 0.03		< 0.03						
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.2	0.7	0.1	< 0.03	1.0	< 0.1	0.2			< 0.03	0.1	1.4	0.6	0.2	3.2	< 0.03		< 0.03						
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg		1.5	2.5	0.1	0.2	1.0	0.4	0.4	0.6	< 0.1	0.1	0.8	1.2	0.2	0.7	< 0.1	< 0.1	0.2						
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		330.0	570.0	25.0	36.0	1000.0	65.0	56.0	260.0	16.0	90.0	410.0	660.0	59.0	180.0	21.0	25.0	21.0						
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.2	0.2	< 0.05	0.1	0.6	0.2	0.2	0.6	< 0.05	0.1	1.1	2.3	0.1	0.6	< 0.05	0.2	0.2						
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		76.0	170.0	11.0	33.0	96.0	19.0	18.0	32.0	6.1	22.0	64.0	55.0	17.0	36.0	13.0	43.0	120.0						
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg		21.0	34.0	1.8	2.4	40.0	3.6	3.6	10.0	< 1.0	6.8	18.0	22.0	2.6	8.3	2.7	2.0	3.1						
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		17.0	20.0	5.2	13.0	19.0	7.9	8.0	12.0	5.3	9.1	23.0	29.0	13.0	17.0	19.0	11.0	16.0						
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		0.7	0.8	0.4	1.9	1.0	0.6	0.6	0.9	0.3	0.6	2.5	2.3	0.8	1.8	1.3	2.1	4.4						
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		2.0	2.3	2.3	2.3	2.3	2.4	2.8	1.3	1.1	1.5	2.7	3.4	1.8	4.5	1.6	0.4	1.9						
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		7.4	9.6	0.5	0.8	8.5	1.1	1.1	2.9	0.2	1.7	6.4	10.0	0.8	1.5	0.6	1.1	2.7						
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		50.0	54.0	12.0	34.0	70.0	19.0	19.0	27.0	8.0	21.0	60.0	55.0	25.0	37.0	61.0	27.0	47.0						
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		200.0	2700.0	22.0	55.0	740.0	42.0	100.0	1200.0	12.0	620.0	310.0	390.0	61.0	150.0	20.0	39.0	46.0						
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		43.0	47.0	16.0	60.0	43.0	23.0	24.0	32.0	17.0	25.0	55.0	64.0	39.0	48.0	59.0	56.0	83.0						
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		4200.0	6300.0	100.0	120.0	2000.0	160.0	180.0	1400.0	31.0	1100.0	580.0	720.0	140.0	270.0	49.0	110.0	200.0						
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.7						
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 0.03	0.1	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03		< 0.03	< 0.03	0.2	< 0.03	< 0.03	0.2	< 0.03		< 0.03						
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.2	0.6	0.1	< 0.03	0.6	< 0.1	0.2		< 0.03	< 0.1	1.4	0.5	0.4	2.4	< 0.03		< 0.03						
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg		< 0.03	0.0	< 0.03	< 0.03	0.0	< 0.03	< 0.03		< 0.03	< 0.03	0.1	< 0.1	< 0.03	0.2	< 0.03		< 0.03						
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg		< 0.03	0.0	< 0.03	< 0.03	0.0	< 0.03	< 0.03		< 0.03	< 0.03	0.0	< 0.1	< 0.03	0.0	< 0.03		< 0.03						
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		< 0.3	0.6	< 0.3	< 0.3	0.6	0.3	< 0.3	0.4	< 0.3	< 0.3	0.4	0.6	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3						
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg			< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01			< 0.01	< 0.01									
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg			< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01			< 0.01	< 0.01									
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg			1.3	< 0.9		< 0.9	< 0.9	< 0.9		< 0.9	< 0.9	< 0.9			6.3	< 0.9									
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg			1.1	< 0.5		< 0.5	< 0.5	< 0.5		< 0.5	< 0.5	< 0.5			6.5	< 0.5									
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg			1.3	< 0.6		< 0.6	< 0.6	< 0.6		< 0.6	< 0.6	< 0.6			13.0	< 0.6									
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg			8.4	< 1.4		< 1.4	< 1.4	< 1.4		< 1.4	< 1.4	< 1.4			76.0	< 1.4									
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg			< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01			< 0.01	< 0.01									
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg			< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01			< 0.01	< 0.01									
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg			< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01			< 0.01	< 0.01									
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg			< 1.5	< 1.5		< 1.5	< 1.5	< 1.5		< 1.5	< 1.5	< 1.5			< 1.5	< 1.5									
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg			< 1.2	< 1.2		< 1.2	< 1.2	< 1.2		< 1.2	< 1.2	< 1.2			3.6	< 1.2									
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg			2.4	< 1.5		< 1.5	3.3	3.4		< 1.5	< 1.5	7.0			26.0	< 1.5									
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg			68.0	< 3.4		< 3.4	< 3.4	< 3.4		< 3.4	< 3.4	13.0			150.0	< 3.4									
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg			< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01			< 0.01	< 0.01									
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1									
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		0.2		< 0.1	< 0.1									
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01									
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Hole Ref	AEC17-H24-TP101	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-WS101	AEC17-H24-WS102	AEC17-H24-WS102	AEC17-H24-WS103	AEC17-H24-WS104	AEC17-H24-WS105
					Sample Top	3.50	0.25	0.90	1.90	3.00	0.30	1.40	2.00	0.30	0.50	0.80	1.30	2.00	0.30	0.90	2.00	3.00	4.00	3.00	1.50	4.50	2.50	5.00	4.00
					Sample Ref																								
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	**3860**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
n-Butylbenzene	**26.598**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
2,4-Dimethylphenol	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
3/4 Methylphenol	**46000**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		0.2	< 0.1								
1,4-Dichlorobenzene	**4220**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
1,2-Dichloroethane	**0.671**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
1,3,5-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
Bromobenzene	**91.5**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
Chlorobenzene	**55.6**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
Phenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
Bis(2-chloroethoxy)methane	**0.956**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
Bis(2-ethylhexyl)phthalate	**16600**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		0.1		0.2	< 0.1								
Di-N-Octyl Phthalate	**20000**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
Hexachlorobenzene (HCB)	**28.9**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
1,2,4-Trichlorobenzene	**215**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
2,4-Dichlorophenol	**977**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
2,4-Dinitrotoluene	**928**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
Dibromochloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
Tetrachloroethene	**18.6**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		0.1		< 0.01	< 0.01								
Dimethylphthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
Dibenzofuran	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		0.1	< 0.1								
Sec-Butylbenzene	**26.6**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
cis-1,2-Dichloroethene	**13.6**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
trans-1,2-Dichloroethene	**20.7**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
Methyl tert-butyl ether (MTBE)	**7480**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
1,3-Dichlorobenzene	**29.9**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
Tetrachloromethane (Carbon Tetra Chloride)	**2.87**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
2,3,4,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
4-Chloro-3-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
2,6-Dinitrotoluene	**468**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
1,1,1,2-Tetrachloroethane	**108**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
Chloroform	**99.1**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
1,1,1-Trichloroethane	**660**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
Chloroethene	**0.0594**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
Tribromomethane	**714**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
Bromodichloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
1,1-Dichloroethane	**263**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
1,1-Dichloroethene	**24.3**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
1,2-Dichloropropane	**3.13**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
1,1,2-Trichloroethane	**89.1**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
Trichloroethene	**1.23**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
Diethylphthalate	**89300**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
Di-N-Butyl Phthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		0.2		0.1	< 0.1								
Butylbenzylphthalate	**254000**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		0.5		0.4	< 0.1								
Carbazole	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		0.1		0.4	< 0.1								
1,2,3 Trichlorobenzene	**102**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		0.0		< 0.01	< 0.01								
Hexachlorobutadiene (HCBD)	**30.7**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
Pentachlorophenol (PCP)	**113**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
2,4,6-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
2-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
2-Methylnaphthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
2-Chloronaphthalene	**370**	**Commercial**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
2,3,5,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	AEC17-H24-TP101	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-WS101	AEC17-H24-WS102	AEC17-H24-WS102	AEC17-H24-WS103	AEC17-H24-WS104	AEC17-H24-WS105
					Hole Ref																								
					Sample Top	3.50	0.25	0.90	1.90	3.00	0.30	1.40	2.00	0.30	0.50	0.80	1.30	2.00	0.30	0.90	2.00	3.00	4.00	3.00	1.50	4.50	2.50	5.00	4.00
					Sample Ref																								
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
O-Xylene	6603.1	Commercial	mg/kg	0	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
2-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
1,2-Dichlorobenzene	2020	Commercial	mg/kg	0	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
2-Chlorophenol	1010	POS PARK	mg/kg	0	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
1,2,4-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
2,4,5-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg				< 0.1			< 0.1				< 0.1		< 0.1		< 0.1	< 0.1								
Isopropylbenzene	1300	Commercial	mg/kg	0	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
4-Isopropyltoluene	1300	Commercial	mg/kg	0	mg/kg				< 0.01			< 0.01				< 0.01		< 0.01		< 0.01	< 0.01								
m,p xylenes	5923.3	Commercial	mg/kg	0	mg/kg				< 0.01			< 0.01				< 0.01		0.0		< 0.01	< 0.01								
Chromium - Hexavalent	220	POS PARK	mg/kg	0	mg/kg			< 1.0							< 1.0	< 1.0				< 1.0									
Cyanide Free	168	Commercial	mg/kg	0	mg/kg			< 0.1							< 0.1	< 0.1				< 0.1									
Complex Cyanide	3460	POS PARK	mg/kg	0	mg/kg			2.4							< 0.2	< 0.2				0.7									
4-Nitrophenol	7600000	POS PARK	ug/kg	0	ug/kg																								
Ethylbenzene	5705504.8	Commercial	ug/kg	0	ug/kg																								
Styrene	3170000	Commercial	ug/kg	0	ug/kg																								
n-Propylbenzene	3860000	Commercial	ug/kg	0	ug/kg																								
n-Butylbenzene	26597.9	Commercial	ug/kg	0	ug/kg																								
2,4-Dimethylphenol	9180000	POS PARK	ug/kg	0	ug/kg																								
4-Methylphenol	46000000	POS PARK	ug/kg	0	ug/kg																								
1,4-Dichlorobenzene	4220000	Commercial	ug/kg	0	ug/kg																								
1,2-Dichloroethane	671	Commercial	ug/kg	0	ug/kg																								
1,3,5-Trimethylbenzene	39400	Commercial	ug/kg	3	ug/kg																								
Bromobenzene	91500	Commercial	ug/kg	0	ug/kg																								
Toluene VOC	56293712.79	Commercial	ug/kg	0	ug/kg																								
Chlorobenzene	55600	Commercial	ug/kg	0	ug/kg																								
Phenol SVOC	7600000	POS PARK	ug/kg	0	ug/kg																								
Bis(2-chloroethoxy)methane	956	Commercial	ug/kg	1	ug/kg																								
Bis(2-ethylhexyl)phthalate	16600000	POS PARK	ug/kg	0	ug/kg																								
n-Dioctylphthalate	20000000	POS PARK	ug/kg	0	ug/kg																								
Hexachlorobenzene	28900	POS PARK	ug/kg	0	ug/kg																								
1,2,4-Trichlorobenzene	215000	Commercial	ug/kg	0	ug/kg																								
2,4-Dichlorophenol	977000	POS PARK	ug/kg	0	ug/kg																								
2,4-Dinitrotoluene	928000	POS PARK	ug/kg	0	ug/kg																								
Dibromochloromethane	1960	Commercial	ug/kg	0	ug/kg																								
Tetrachloroethene	18600	Commercial	ug/kg	0	ug/kg																								
Dimethyl phthalate	2630000	POS PARK	ug/kg	0	ug/kg																								
Dibenzofuran	10800	POS PARK	ug/kg	5	ug/kg																								
sec-Butylbenzene	26597.8811	Commercial	ug/kg	0	ug/kg																								
cis 1,2-Dichloroethene	13600	Commercial	ug/kg	0	ug/kg																								
trans 1,2-Dichloroethene	20700	Commercial	ug/kg	0	ug/kg																								
Perylene	10800000	POS PARK	ug/kg	0	ug/kg																								
1,3-Dichlorobenzene	29900	Commercial	ug/kg	0	ug/kg																								
Carbon Tetrachloride	2870	Commercial	ug/kg	0	ug/kg																								
4-Chloro-3-methylphenol	46100000	POS PARK	ug/kg	0	ug/kg																								
2,6-Dinitrotoluene	468000	POS PARK	ug/kg	0	ug/kg																								
1,1,1,2-Tetrachloroethane	108000	Commercial	ug/kg	0	ug/kg																								
Chloroform	99100	Commercial	ug/kg	0	ug/kg																								
Hexachloroethane	20900000	Commercial	ug/kg	0	ug/kg																								
Benzene VOC	26597.9	Commercial	ug/kg	0	ug/kg																								
1,1,1-Trichloroethane	660000	Commercial	ug/kg	0	ug/kg																								
Barium	5770	POS PARK	mg/kg	0	mg/kg																								
Chloromethane	956000	Commercial	ug/kg	0	ug/kg																								
Chloroethane	904000000	Commercial	ug/kg	0	ug/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	AEC17-H24-TP101 ES	AEC17-H24-TP102 ES	AEC17-H24-TP102 ES	AEC17-H24-TP102 ES	AEC17-H24-TP102 ES	AEC17-H24-TP104 ES	AEC17-H24-TP104 ES	AEC17-H24-TP104 ES	AEC17-H24-TP105 ES	AEC17-H24-TP105 ES	AEC17-H24-TP105 ES	AEC17-H24-TP105 ES	AEC17-H24-TP105 ES	AEC17-H24-TP107 ES	AEC17-H24-TP107 ES	AEC17-H24-TP107 ES	AEC17-H24-TP107 ES	AEC17-H24-TP107 ES	AEC17-H24-WS101 ES	AEC17-H24-WS102 ES	AEC17-H24-WS102 ES	AEC17-H24-WS103 ES	AEC17-H24-WS104 ES	AEC17-H24-WS105 ES
					Hole Ref	AEC17-H24-TP101	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-WS101	AEC17-H24-WS102	AEC17-H24-WS102	AEC17-H24-WS103	AEC17-H24-WS104	AEC17-H24-WS105
					Sample Top	3.50	0.25	0.90	1.90	3.00	0.30	1.40	2.00	0.30	0.50	0.80	1.30	2.00	0.30	0.90	2.00	3.00	4.00	3.00	1.50	4.50	2.50	5.00	4.00
					Sample Ref																								
Vinyl Chloride	59.4	Commercial	ug/kg	0	ug/kg																								
Dichloromethane VOC	257000000	Commercial	ug/kg	0	ug/kg																								
Carbon Disulphide	11000000	Commercial	ug/kg	0	ug/kg																								
Bromoform	714000	Commercial	ug/kg	0	ug/kg																								
Bromodichloromethane	1960	Commercial	ug/kg	0	ug/kg																								
1,1-Dichloroethane	263000	Commercial	ug/kg	0	ug/kg																								
1,1-Dichloroethene	24300	Commercial	ug/kg	0	ug/kg																								
Isophorone	26597881.1	Commercial	ug/kg	0	ug/kg																								
1,2-Dichloropropane	3130	Commercial	ug/kg	0	ug/kg																								
1,1,2-Trichloroethane	89100	Commercial	ug/kg	0	ug/kg																								
Trichloroethene	1230	Commercial	ug/kg	0	ug/kg																								
1,1,2,2-Tetrachloroethane	274000000	Commercial	ug/kg	0	ug/kg																								
Diethyl phthalate	89300000	POS PARK	ug/kg	0	ug/kg																								
n-Dibutylphthalate	2630000	POS PARK	ug/kg	0	ug/kg																								
Butylbenzyl phthalate SVOC	254000000	POS PARK	ug/kg	0	ug/kg																								
Carbazole	10800	POS PARK	ug/kg	2	ug/kg																								
1,2,3-Trichlorobenzene	102000	Commercial	ug/kg	0	ug/kg																								
Hexachlorobutadiene	30700	Commercial	ug/kg	0	ug/kg																								
Pentachlorophenol	113000	POS PARK	ug/kg	0	ug/kg																								
2,4,6-Trichlorophenol	1010000	POS PARK	ug/kg	0	ug/kg																								
2-Nitrophenol	7600000000	POS PARK	ug/kg	0	ug/kg																								
2-Methylnaphthalene (SVOC) DEFAULT	193000	Commercial	ug/kg	2	ug/kg																								
2-Chloronaphthalene	370000	Commercial	ug/kg	0	ug/kg																								
o-Xylene	6603100.7	Commercial	ug/kg	0	ug/kg																								
2-Methylphenol	46100000	POS PARK	ug/kg	0	ug/kg																								
1,2-Dichlorobenzene	2020000	Commercial	ug/kg	0	ug/kg																								
2-Chlorophenol	1010000	POS PARK	ug/kg	0	ug/kg																								
1,2,4-Trimethylbenzene	39400	Commercial	ug/kg	5	ug/kg																								
2,4,5-Trichlorophenol	1010000	POS PARK	ug/kg	0	ug/kg																								
Isopropylbenzene	1300000	Commercial	ug/kg	0	ug/kg																								
Nitrobenzene	26597881.1	Commercial	ug/kg	0	ug/kg																								
4-Isopropyltoluene	1300000	Commercial	ug/kg	0	ug/kg																								
m & p Xylene	5923262.7	Commercial	ug/kg	0	ug/kg																								
Aro >C8-C9	7220	POS PARK	mg/kg	0	mg/kg																								
Aro >C9-C10	7220	POS PARK	mg/kg	0	mg/kg																								
Tributyltin SUBCON i2	42400000	POS PARK	ug/kg	0	ug/kg																								
Atrazine SUBCON Alcontrol	379000000	POS Maintenance	ug/kg	0	ug/kg																								
Aldrin SUBCON Alcontrol	7800000	POS PARK	ug/kg	0	ug/kg																								
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	46500000	POS PARK	ug/kg	0	ug/kg																								
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	13300000	POS PARK	ug/kg	0	ug/kg																								
Endosulphan II	1960000000	POS Maintenance	ug/kg	0	ug/kg																								
Dieldrin SUBCON Alcontrol	12900000	POS PARK	ug/kg	0	ug/kg																								
Dichlorvos	26000000	POS PARK	ug/kg	0	ug/kg																								
Endosulphan I	1950000000	POS Maintenance	ug/kg	0	ug/kg																								
Aro >C35-C44	7820	POS PARK	mg/kg	0	mg/kg																								
Ali >C35-C44	455000	POS PARK	mg/kg	0	mg/kg																								
Anthracene SVOC	149000000	POS PARK	ug/kg	0	ug/kg																								
Pyrene SVOC	15100000	POS PARK	ug/kg	0	ug/kg																								
Benzo(ghi)perylene SVOC	612000	POS Maintenance	ug/kg	0	ug/kg																								
Indeno(1,2,3-cd)pyrene SVOC	44000	POS Maintenance	ug/kg	1	ug/kg																								
Benzo(b)fluoranthene SVOC	13200	POS PARK	ug/kg	7	ug/kg																								
Fluoranthene SVOC	6300000	POS PARK	ug/kg	0	ug/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type
Hole Ref					
Sample Top					
Sample Ref					
Benzo(k)fluoranthene SVOC	114000	POS Maintenance	ug/kg	0	ug/kg
Acenaphthylene SVOC	28900000	POS PARK	ug/kg	0	ug/kg
Chrysene SVOC	91000	POS Maintenance	ug/kg	1	ug/kg
Benzo(a)pyrene SVOC	10800	POS PARK	ug/kg	8	ug/kg
Dibenzo(ah)anthracene SVOC	1150	POS PARK	ug/kg	10	ug/kg
Benzo(a)anthracene SVOC	48800	POS PARK	ug/kg	2	ug/kg
Acenaphthene SVOC	28900000	POS PARK	ug/kg	0	ug/kg
Phenanthrene SVOC	6170000	POS PARK	ug/kg	0	ug/kg
Fluorene SVOC	19600000	POS PARK	ug/kg	0	ug/kg
Naphthalene SVOC	193000	Commercial	ug/kg	1	ug/kg
Xylenols	9180	POS PARK	mg/kg	0	mg/kg
Cresols	46100	POS PARK	mg/kg	0	mg/kg
Tributyltin	42400	POS PARK	mg/kg	0	mg/kg
Methyl tert-butyl ether (MTBE)	7480000	Commercial	ug/kg	0	ug/kg
Aromatics >C6-7	27000000	Commercial	ug/kg	0	ug/kg
Aromatics >C7-8	56293712.8	Commercial	ug/kg	0	ug/kg
Aromatics >C8-10	3460000	Commercial	ug/kg	0	ug/kg
Aromatics >C10-12	9240000	POS PARK	ug/kg	0	ug/kg
Aromatics >C12-16	10200000	POS PARK	ug/kg	0	ug/kg
Aromatics >C16-21	7630000	POS PARK	ug/kg	0	ug/kg
Aromatics >C21-35	7820000	POS PARK	ug/kg	1	ug/kg
Aromatics >C35-44	7820000	POS PARK	ug/kg	0	ug/kg
Aliphatics >C5-6	3190000	Commercial	ug/kg	0	ug/kg
Aliphatics >C6-8	7780000	Commercial	ug/kg	0	ug/kg
Aliphatics >C8-10	2000000	Commercial	ug/kg	1	ug/kg
Aliphatics >C10-12	9690000	Commercial	ug/kg	0	ug/kg
Aliphatics >C12-16	24700000	POS PARK	ug/kg	0	ug/kg
Aliphatics >C16-21	455000000	POS PARK	ug/kg	0	ug/kg
Aliphatics >C21-35	455000000	POS PARK	ug/kg	0	ug/kg
Aliphatics >C35-44	455000000	POS PARK	ug/kg	0	ug/kg
Trivalent Chromium	33000	POS PARK	mg/kg	0	mg/kg
Molybdenum	2890	POS PARK	mg/kg	0	mg/kg
4-Nitroaniline	10800	POS PARK	ug/kg	0	ug/kg
Azobenzene	10800	POS PARK	ug/kg	0	ug/kg
4-Chloroaniline	10800000	POS PARK	ug/kg	0	ug/kg
2-Nitroaniline	10800	POS PARK	ug/kg	0	ug/kg

Hole Ref	AEC17-H24-TP101	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-WS101	AEC17-H24-WS102	AEC17-H24-WS102	AEC17-H24-WS103	AEC17-H24-WS104	AEC17-H24-WS105
Sample Top	3.50	0.25	0.90	1.90	3.00	0.30	1.40	2.00	0.30	0.50	0.80	1.30	2.00	0.30	0.90	2.00	3.00	4.00	3.00	1.50	4.50	2.50	5.00	4.00
Sample Ref																								
Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Benzo(k)fluoranthene SVOC																								
Acenaphthylene SVOC																								
Chrysene SVOC																								
Benzo(a)pyrene SVOC																								
Dibenzo(ah)anthracene SVOC																								
Benzo(a)anthracene SVOC																								
Acenaphthene SVOC																								
Phenanthrene SVOC																								
Fluorene SVOC																								
Naphthalene SVOC																								
Xylenols																								
Cresols																								
Tributyltin																								
Methyl tert-butyl ether (MTBE)																								
Aromatics >C6-7																								
Aromatics >C7-8																								
Aromatics >C8-10																								
Aromatics >C10-12																								
Aromatics >C12-16																								
Aromatics >C16-21																								
Aromatics >C21-35																								
Aromatics >C35-44																								
Aliphatics >C5-6																								
Aliphatics >C6-8																								
Aliphatics >C8-10																								
Aliphatics >C10-12																								
Aliphatics >C12-16																								
Aliphatics >C16-21																								
Aliphatics >C21-35																								
Aliphatics >C35-44																								
Trivalent Chromium																								
Molybdenum																								
4-Nitroaniline																								
Azobenzene																								
4-Chloroaniline																								
2-Nitroaniline																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	Sample Top	Sample Ref	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH06	ARP16-CP-BH06	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH11	ARP16-CP-BH11	ARP16-CP-BH13	ARP16-CP-BH15
						Sample Top			0.30	0.70	1.20	3.50	0.20	1.30	2.30	0.10	0.30	0.65	3.15	0.10	0.95	0.20	2.50	6.05	1.00	3.60	5.00	5.60	0.20	3.00	0.10	0.20
						Sample Ref			1	2	3	5	1	4	5	1	2	3	6	1	3	1	4	8	2	5	7	8	1	3	1	1
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg				<0.01			<0.01	<0.01					<0.01	<0.01		<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01		
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg				<0.01			<0.01	<0.01					<0.01	<0.01		<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01		
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg				6.5	0.8	4.7	0.1	1.3	0.0	<0.02	0.2	0.2	0.9	<0.02	<0.02	<0.02	<0.02	0.5	<0.02	0.0	0.1	0.3	<0.02	<0.02	<0.02		<0.02
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg				24.3	3.3	13.8	0.2	7.5	0.3	<0.07	0.9	1.2	2.9	<0.07	0.2	<0.07	0.2	2.2	<0.07	0.2	0.4	1.2	<0.07	<0.07	<0.07		<0.07
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																											
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg				6.2	1.1	3.1	<0.05	1.1	0.1	<0.05	0.2	0.4	0.5	<0.05	0.1	<0.05	0.1	0.6	<0.05	0.1	0.2	0.2	<0.05	<0.05	<0.05		<0.05
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg				8.0	1.3	3.8	0.1	1.3	0.1	<0.03	0.3	0.6	0.7	<0.03	0.1	<0.03	0.2	0.7	<0.03	0.1	0.2	0.3	<0.03	<0.03	<0.03		<0.03
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg				11.2	1.9	5.9	0.1	2.4	0.2	<0.05	0.5	0.8	1.1	<0.05	0.2	<0.05	0.2	1.1	<0.05	0.2	0.3	0.6	<0.05	<0.05	<0.05		<0.05
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg				27.6	3.9	16.4	0.3	8.2	0.4	<0.08	1.1	1.7	3.8	<0.08	0.2	<0.08	0.2	2.5	<0.08	0.2	0.5	1.4	<0.08	<0.08	<0.08		<0.08
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg				4.7	0.7	2.6	<0.07	0.9	0.1	<0.07	0.2	0.4	0.5	<0.07	<0.07	<0.07	0.1	0.4	<0.07	<0.07	0.1	0.2	<0.07	<0.07	<0.07		<0.07
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg				0.1	0.0	0.1	<0.01	0.0	<0.01	<0.01	<0.01	0.0	0.0	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg				11.9	1.8	6.0	0.1	2.8	0.2	<0.06	0.5	0.9	1.4	<0.06	0.1	<0.06	0.2	1.2	<0.06	0.1	0.3	0.6	<0.06	<0.06	<0.06		<0.06
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg				10.7	1.7	5.5	0.1	2.0	0.1	<0.04	0.4	0.8	1.0	<0.04	0.1	<0.04	0.2	1.0	<0.04	0.1	0.3	0.4	<0.04	<0.04	<0.04		<0.04
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg				1.3	0.2	0.7	<0.04	0.2	<0.04	<0.04	0.1	0.1	0.1	<0.04	<0.04	<0.04	<0.04	0.1	<0.04	<0.04	<0.04	0.1	<0.04	<0.04	<0.04		<0.04
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg				13.4	1.9	7.5	0.1	3.2	0.2	<0.04	0.5	0.7	1.4	<0.04	0.1	<0.04	0.1	1.1	<0.04	0.1	0.2	0.6	<0.04	<0.04	<0.04		<0.04
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg																											
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg				<0.01			<0.01	<0.01					<0.01	<0.01		<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01		
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg				42.0	31.0	102.0	17.0	31.0	34.0	16.0	36.0	335.0	46.0	15.0	53.0	25.0	26.0	46.0	19.0	44.0	219.0	20.0	17.0	36.0	19.0	32.0	18.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg				<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	0.2	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg				13.0	18.0	16.0	14.0	11.0	13.0	38.0	8.0	14.0	8.0	19.0	34.0	43.0	21.0	16.0	16.0	17.0	19.0	20.0	23.0	21.0	8.0	11.0	21.0
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg																											
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg				5.0	5.0	6.0	6.0	5.0	6.0	2.0	5.0	8.0	6.0	14.0	11.0	8.0	10.0	8.0	6.0	5.0	7.0	8.0	10.0	6.0	6.0	7.0	10.0
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg				1.0	1.0	1.0	1.0	1.0	1.0	3.0	<1	<1	<1	1.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			1.0	
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg				<1.0	<1.0	<1.0	<1.0	2.0	1.5	<1.0	<1.0	3.9	2.3	<1.0	1.8	1.7	1.0	1.5	<1.0	<1.0	<1.0	1.2	<1.0			<1.0	
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg				0.9	1.0	1.0	1.2	0.7	1.2	1.5	<0.5	<0.5	<0.5	1.4	2.2	2.0	1.6	2.9	1.2	1.0	1.4	1.4	2.1	1.5	1.1	0.5	1.8
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg				17.0	23.0	21.0	34.0	16.0	21.0	28.0	12.0	20.0	12.0	26.0	37.0	37.0	31.0	18.0	29.0	20.0	30.0	24.0	48.0	26.0	25.0	20.0	32.0
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg				40.0	94.0	17.0	8.0	12.0	43.0	21.0	10.0	27.0	8.0	12.0	69.0	16.0	16.0	20.0	6.0	18.0	17.0	15.0	11.0	15.0	3.0	14.0	9.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg				36.0	38.0	36.0	45.0	28.0	45.0	43.0	18.0	33.0	21.0	37.0	48.0	54.0	45.0	32.0	37.0	34.0	43.0	41.0	62.0			26.0	
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg				45.0	51.0	45.0	25.0	55.0	50.0	68.0	40.0	141.0	47.0	43.0	121.0	86.0	58.0	68.0	34.0	74.0	65.0	54.0	49.0	63.0	18.0	44.0	59.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.0
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg				2.9	0.4	2.3	0.0	0.4	0.0	<0.01	0.2	0.1	0.6	<0.01	<0.01	<0.01	<0.01	0.5	<0.01	<0.01	0.0	0.1	<0.01	<0.01	<0.01		<0.01
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg				19.5	2.2	13.0	0.2	4.8	0.2	<0.03	0.9	0.7	3.4	0.1	0.1	<0.03	<0.03	1.8	<0.03	0.1	0.3	1.0	<0.03	<0.03	<0.03		<0.03
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg				2.2	0.3	2.0	0.0	0.4	0.0	<0.01	0.1	0.1	0.6	<0.01	<0.01	<0.01	<0.01	0.4	<0.01	<0.01	0.0	0.2	<0.01	<0.01	<0.01		<0.01
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg				0.8	0.1	0.7	<0.03	0.1	<0.03	<0.03	0.0	0.0	0.2	<0.03	<0.03	<0.03	<0.03	0.2	<0.03	<0.03	<0.03	0.0	<0.03	<0.03	<0.03		<0.03
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																											
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg				<0.01			<0.01	<0.01					<0.01	<0.01		<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01		
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																											
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg				<0.1			<0.1	<0.1					<0.1	<0.1		<0.1		<0.1	<0.1	<0.1			<0.1	<0.1	<0.1		
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg				2.7			<0.1	1.9					8.2	<0.1		<0.1		<0.1	<0.1	<0.1			<0.1	<0.1	<0.1		
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg				20.8			<0.1	8.9					19.4	<0.1		<0.1		3.6	<0.1	<0.1			<0.1	<0.1	<0.1		
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg				78.3			<0.1	30.1					36.4	<0.1		<0.1		13.9	<0.1	<0.1			<0.1	<0.1	<0.1		
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg				<0.01			<0.01	<0.01					<0.01	<0.01		<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01		
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg				<0.01			<0.01	<0.01					<0.01	<0.01		<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01		
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg				<0.01			<0.01	<0.01					<0.01	<0.01		<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01		
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg				<0.1			<0.1	<0.1					<0.1	<0.1		<0.1		<0.1	<0.1	<0.1			<0.1	<0.1	<0.1		
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg				0.3			<0.1	<0.1					2.8	<0.1		<0.1		<0.1	<0.1	<0.1			<0.1	<0.1	<0.1		
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg				1.5			<0.1	1.7					8.7	<0.1		<0.1		1.0	<0.1	<0.1			<0.1	<0.1	<0.1		
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg				25.4			<0.1	24.3					17.1	<0.1		<0.1		22.9	<0.1	10.3			<0.1	<0.1	<0.1		
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg				<0.01			<0.01	<0.01					<0.01	<0.01		<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01		
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																											
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																											
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																											
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																											

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH06	ARP16-CP-BH06	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH11	ARP16-CP-BH11	ARP16-CP-BH13	ARP16-CP-BH15
						Sample Top	0.30	0.70	1.20	3.50	0.20	1.30	2.30	0.10	0.30	0.65	3.15	0.10	0.95	0.20	2.50	6.05	1.00	3.60	5.00	5.60	0.20	3.00	0.10	0.20
						Sample Ref	1	2	3	5	1	4	5	1	2	3	6	1	3	1	4	8	2	5	7	8	1	3	1	1
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg																								
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg																								
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg																								
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg																								
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg																								
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																								
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg																								
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg																								
Phenol	7600	POS PARK	mg/kg	0	mg/kg																								
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg																								
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg																								
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg																								
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg																								
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg																								
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg																								
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg																								
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg																								
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg																								
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg																								
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg																								
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg																								
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg	<0.01			<0.01	<0.01					<0.01	<0.01		<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01		
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg																								
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg																								
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																								
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg																								
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg																								
Chloroform	99.1	Commercial	mg/kg	0	mg/kg																								
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg																								
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg																								
Tribromomethane	714	Commercial	mg/kg	0	mg/kg																								
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg																								
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg																								
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg																								
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg																								
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg																								
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg																								
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg																								
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg																								
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg																								
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																								
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg																								
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg																								
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg																								
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH06	ARP16-CP-BH06	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH11	ARP16-CP-BH11	ARP16-CP-BH13	ARP16-CP-BH15
					Hole Ref																							
					Sample Top	0.30	0.70	1.20	3.50	0.20	1.30	2.30	0.10	0.30	0.65	3.15	0.10	0.95	0.20	2.50	6.05	1.00	3.60	5.00	5.60	0.20	3.00	0.10	0.20
					Sample Ref	1	2	3	5	1	4	5	1	2	3	6	1	3	1	4	8	2	5	7	8	1	3	1	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
O-Xylene	6603.1	Commercial	mg/kg	0	mg/kg	<0.01			<0.01	<0.01					<0.01	<0.01		<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01		
2-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																							
1,2-Dichlorobenzene	2020	Commercial	mg/kg	0	mg/kg																							
2-Chlorophenol	1010	POS PARK	mg/kg	0	mg/kg																							
1,2,4-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																							
2,4,5-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																							
Isopropylbenzene	1300	Commercial	mg/kg	0	mg/kg																							
4-Isopropyltoluene	1300	Commercial	mg/kg	0	mg/kg																							
m,p xylenes	5923.3	Commercial	mg/kg	0	mg/kg	<0.01			<0.01	<0.01					<0.01	<0.01		<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01		
Chromium - Hexavalent	220	POS PARK	mg/kg	0	mg/kg																							
Cyanide Free	168	Commercial	mg/kg	0	mg/kg																							
Complex Cyanide	3460	POS PARK	mg/kg	0	mg/kg																							
4-Nitrophenol	7600000	POS PARK	ug/kg	0	ug/kg	<100				<100										<100								
Ethylbenzene	5705504.8	Commercial	ug/kg	0	ug/kg	<1				<1					<1					4.0								
Styrene	3170000	Commercial	ug/kg	0	ug/kg	<1				<1					<1					6.0								
n-Propylbenzene	3860000	Commercial	ug/kg	0	ug/kg	<1				<1					<1					<1								
n-Butylbenzene	26597.9	Commercial	ug/kg	0	ug/kg	<1				<1					<1					<1								
2,4-Dimethylphenol	9180000	POS PARK	ug/kg	0	ug/kg	207.0				<100										<100								
4-Methylphenol	46000000	POS PARK	ug/kg	0	ug/kg	164.0				<100										<100								
1,4-Dichlorobenzene	4220000	Commercial	ug/kg	0	ug/kg	<1				<1					<1					<1								
1,2-Dichloroethane	671	Commercial	ug/kg	0	ug/kg	<2				<2					<2					<2								
1,3,5-Trimethylbenzene	39400	Commercial	ug/kg	3	ug/kg	<1				<1					<1					<1								
Bromobenzene	91500	Commercial	ug/kg	0	ug/kg	<1				<1					<1					<1								
Toluene VOC	56293712.79	Commercial	ug/kg	0	ug/kg	<1				<1					<1					<1								
Chlorobenzene	55600	Commercial	ug/kg	0	ug/kg	<1				<1					<1					<1								
Phenol SVOC	7600000	POS PARK	ug/kg	0	ug/kg	111.0				<100										<100								
Bis(2-chloroethoxy)methane	956	Commercial	ug/kg	1	ug/kg	<100				<100										<100								
Bis(2-ethylhexyl)phthalate	16600000	POS PARK	ug/kg	0	ug/kg	<100				<100										<100								
n-Dioctylphthalate	20000000	POS PARK	ug/kg	0	ug/kg	109.0				247.0										276.0								
Hexachlorobenzene	28900	POS PARK	ug/kg	0	ug/kg	<100				<100										<100								
1,2,4-Trichlorobenzene	215000	Commercial	ug/kg	0	ug/kg	<3				<3					<3					<3								
2,4-Dichlorophenol	977000	POS PARK	ug/kg	0	ug/kg	<100				<100										<100								
2,4-Dinitrotoluene	928000	POS PARK	ug/kg	0	ug/kg	<100				<100										<100								
Dibromochloromethane	1960	Commercial	ug/kg	0	ug/kg	<3				<3					<3					<3								
Tetrachloroethene	18600	Commercial	ug/kg	0	ug/kg	<1				<1					<1					<1								
Dimethyl phthalate	2630000	POS PARK	ug/kg	0	ug/kg	<100				<100										<100								
Dibenzofuran	10800	POS PARK	ug/kg	5	ug/kg	3680.0				298.0										315.0								
sec-Butylbenzene	26597.8811	Commercial	ug/kg	0	ug/kg	<1				<1					<1					<1								
cis 1,2-Dichloroethene	13600	Commercial	ug/kg	0	ug/kg	<1				<1					<1					<1								
trans 1,2-Dichloroethene	20700	Commercial	ug/kg	0	ug/kg	<1				<1					<1					<1								
Perylene	10800000	POS PARK	ug/kg	0	ug/kg	5820.0				295.0										401.0								
1,3-Dichlorobenzene	29900	Commercial	ug/kg	0	ug/kg	<1				<1					<1					<1								
Carbon Tetrachloride	2870	Commercial	ug/kg	0	ug/kg	<1				<1					<1					<1								
4-Chloro-3-methylphenol	46100000	POS PARK	ug/kg	0	ug/kg	<100				<100										<100								
2,6-Dinitrotoluene	468000	POS PARK	ug/kg	0	ug/kg	<100				<100										<100								
1,1,1,2-Tetrachloroethane	108000	Commercial	ug/kg	0	ug/kg	<1				<1					<1					<1								
Chloroform	99100	Commercial	ug/kg	0	ug/kg	<1				<1					<1					<1								
Hexachloroethane	20900000	Commercial	ug/kg	0	ug/kg	<100				<100										<100								
Benzene VOC	26597.9	Commercial	ug/kg	0	ug/kg	<1				<1					<1					<1								
1,1,1-Trichloroethane	660000	Commercial	ug/kg	0	ug/kg	<1				<1					<1					<1								
Barium	5770	POS PARK	mg/kg	0	mg/kg	55.0	51.0	57.0	43.0	67.0	78.0	99.0	67.0	135.0	42.0	36.0	259.0	100.0	63.0	71.0	54.0	54.0	91.0	69.0	75.0			64.0	
Chloromethane	956000	Commercial	ug/kg	0	ug/kg	<10				<10					<10					<10								
Chloroethane	904000000	Commercial	ug/kg	0	ug/kg	<1				<1					<1					<1								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH06	ARP16-CP-BH06	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH11	ARP16-CP-BH11	ARP16-CP-BH13	ARP16-CP-BH15
						Sample Top	0.30	0.70	1.20	3.50	0.20	1.30	2.30	0.10	0.30	0.65	3.15	0.10	0.95	0.20	2.50	6.05	1.00	3.60	5.00	5.60	0.20	3.00	0.10	0.20
						Sample Ref	1	2	3	5	1	4	5	1	2	3	6	1	3	1	4	8	2	5	7	8	1	3	1	1
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg		<1				<1					<1					<1									
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<5				<5					<5					<5									
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1				<1					<1					2.0									
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1				<1					<1					<1									
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg		<10				<10					<10					<10									
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1				<1					<1					<1									
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg		<1				<1					<1					<1									
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg		<100				<100										<100									
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg		<1				<1					<1					<1									
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg		<1				<1					<1					<1									
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg		<1				<1					<1					<1									
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1				<1					<1					<1									
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100										<100									
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				288.0										880.0									
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100										<100									
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg		2900.0				808.0										964.0									
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg		<3				<3					<3					<3									
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg		<1				<1					<1					<1									
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100										<100									
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100										<100									
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100										<100									
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg		851.0				<100										113.0									
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg		<100				<100										<100									
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<1				<1					<1					3.0									
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100										<100									
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1				<1					<1					<1									
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100										<100									
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg		<1				<1					<1					4.0									
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100										<100									
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1				<1					<1					<1									
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg		<100				<100										<100									
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1				<1					<1					<1									
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<1				<1					<1					7.0									
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01			<0.01	<0.01					<0.01	<0.01		<0.01		0.0	<0.01	<0.01			<0.01	<0.01	<0.01		
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01			<0.01	<0.01					<0.01	<0.01		<0.01		0.0	<0.01	<0.01			<0.01	<0.01	<0.01		
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg																									
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg																									
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Hole Ref	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH06	ARP16-CP-BH06	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH11	ARP16-CP-BH11	ARP16-CP-BH13	ARP16-CP-BH15
					Sample Top	0.30	0.70	1.20	3.50	0.20	1.30	2.30	0.10	0.30	0.65	3.15	0.10	0.95	0.20	2.50	6.05	1.00	3.60	5.00	5.60	0.20	3.00	0.10	0.20
					Sample Ref	1	2	3	5	1	4	5	1	2	3	6	1	3	1	4	8	2	5	7	8	1	3	1	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																							
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg																							
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg																							
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg																							
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg																							
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg																							
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg																							
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg																							
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																							

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-CP-BH15	ARP16-CP-BH16	ARP16-CP-BH20	ARP16-CP-BH29	ARP16-CP-BH31	ARP16-CP-BH34	ARP16-CP-BH50	ARP16-CP-BH51	ARP16-CP-BH54	ARP16-CP-BH54	ARP16-CP-BH55	ARP16-CP-TP01	ARP16-CP-TP01	ARP16-CP-TP02	ARP16-CP-TP03	ARP16-CP-TP03	ARP16-CP-TP06	ARP16-CP-TP07	ARP16-CP-TP11	ARP16-CP-TP11	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP14
						Sample Top	1.60	1.20	0.50	0.10	0.20	0.40	0.00	0.20	0.20	9.00	0.10	0.05	2.15	0.10	0.50	2.65	0.10	0.10	0.10	0.40	0.05	1.15	2.25	0.10
						Sample Ref	3	2	2	1	1	1	1	1	1	3	1	1	4	1	2	5	1	1	1	2	1	3	4	1
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01											<0.01	<0.01											
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01											<0.01	<0.01											
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.02	<0.02		<0.02		<0.02	<0.02	<0.02		<0.02	<0.02	0.0	<0.02		<0.02	0.1			<0.02		<0.02	<0.02		
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.07	<0.07		<0.07		<0.07	<0.07	<0.07		<0.07	0.1	0.2	<0.07		<0.07	1.1			<0.07		<0.07	<0.07		
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.05	<0.05		<0.05		<0.05	<0.05	<0.05		<0.05	<0.05	0.1	<0.05		<0.05	0.5			<0.05		<0.05	<0.05		
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.03	<0.03		<0.03		<0.03	0.1	<0.03		<0.03	<0.03	0.1	<0.03		<0.03	0.5			<0.03		<0.03	<0.03		
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg		<0.05	<0.05		<0.05		<0.05	0.1	<0.05		<0.05	0.1	0.2	<0.05		<0.05	0.8			<0.05		<0.05	<0.05		
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.08	<0.08		<0.08		<0.08	<0.08	<0.08		<0.08	0.1	0.2	<0.08		<0.08	1.2			<0.08		<0.08	<0.08		
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.07	<0.07		<0.07		<0.07	<0.07	<0.07		<0.07	<0.07	<0.07	<0.07		<0.07	0.3			<0.07		<0.07	<0.07		
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01		<0.01		<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01		<0.01	<0.01			<0.01		<0.01	<0.01		
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.06	<0.06		<0.06		<0.06	0.1	<0.06		<0.06	0.1	0.2	<0.06		<0.06	0.7			<0.06		<0.06	<0.06		
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg		<0.04	<0.04		<0.04		<0.04	0.1	<0.04		<0.04	0.1	0.1	<0.04		<0.04	0.5			<0.04		<0.04	<0.04		
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg		<0.04	<0.04		<0.04		<0.04	<0.04	<0.04		<0.04	<0.04	<0.04	<0.04		<0.04	0.1			<0.04		<0.04	<0.04		
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.04	<0.04		<0.04		<0.04	0.0	<0.04		<0.04	0.1	0.1	<0.04		<0.04	0.4			<0.04		<0.04	<0.04		
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg																									
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01											<0.01	<0.01											
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		21.0	17.0	18.0	33.0	15.0	32.0	40.0	15.0	13.0	4.0	35.0	35.0	2.0	27.0	25.0	97.0	38.0	34.0	19.0	6.0	35.0	8.0	11.0	20.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	0.7	<0.17	<0.17	0.6	0.2	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		39.0	15.0	22.0	29.0	29.0	26.0	26.0	20.0	16.0	21.0	17.0	21.0	7.0	19.0	17.0	16.0	19.0	29.0	21.0	18.0	24.0	9.0	14.0	21.0
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		7.0	5.0	4.0	5.0	9.0	8.0	8.0	5.0	7.0	2.0	5.0	6.0	2.0	4.0	8.0	8.0	7.0	6.0	4.0	<1	7.0	6.0	7.0	4.0
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	<1	1.0	1.0	<1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg			<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.5	1.1	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	1.7
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		2.4	<0.5	<0.5	0.9	0.8	2.1	<0.5	1.4	1.3	0.6	0.5	1.6	0.5	<0.5	1.6	1.6	0.7	<0.5	<0.5	<0.5	2.0	1.0	1.5	0.7
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		42.0	32.0	25.0	20.0	29.0	33.0	33.0	27.0	28.0	11.0	23.0	30.0	18.0	29.0	31.0	21.0	25.0	46.0	16.0	16.0	31.0	18.0	27.0	26.0
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		17.0	9.0	16.0	20.0	14.0	10.0	25.0	7.0	9.0	8.0	16.0	20.0	3.0	13.0	12.0	25.0	20.0	21.0	15.0	9.0	23.0	4.0	6.0	16.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg			36.0	43.0	38.0	39.0	43.0	43.0	30.0	41.0	22.0	40.0	35.0	11.0	35.0	42.0	35.0	33.0	49.0	28.0	28.0	43.0	32.0	47.0	38.0
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		88.0	54.0	51.0	59.0	53.0	63.0	85.0	50.0	31.0	37.0	52.0	97.0	14.0	47.0	37.0	69.0	47.0	67.0	40.0	31.0	105.0	16.0	26.0	47.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.0	<1	<1	<1	2.0	<1	<1	<1	<1	<1	2.0
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01		<0.01		<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01		<0.01	0.2			<0.01		<0.01	<0.01		
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.03	<0.03		<0.03		<0.03	<0.03	<0.03		<0.03	0.0	0.1	<0.03		<0.03	0.4			<0.03		<0.03	<0.03		
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01		<0.01		<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01		<0.01	0.1			<0.01		<0.01	<0.01		
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.03	<0.03		<0.03		<0.03	<0.03	<0.03		<0.03	<0.03	<0.03	<0.03		<0.03	<0.03			<0.03		<0.03	<0.03		
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01											<0.01	<0.01											
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1											<0.1	<0.1											
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1											<0.1	<0.1											
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1											<0.1	<0.1											
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1											<0.1	<0.1											
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01											<0.01	<0.01											
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01											<0.01	<0.01											
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01											<0.01	<0.01											
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.1											<0.1	<0.1											
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1											<0.1	<0.1											
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1											<0.1	<0.1											
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1											<0.1	<0.1											
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01											<0.01	<0.01											
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-CP-BH15	ARP16-CP-BH16	ARP16-CP-BH20	ARP16-CP-BH29	ARP16-CP-BH31	ARP16-CP-BH34	ARP16-CP-BH50	ARP16-CP-BH51	ARP16-CP-BH54	ARP16-CP-BH54	ARP16-CP-BH55	ARP16-CP-TP01	ARP16-CP-TP01	ARP16-CP-TP02	ARP16-CP-TP03	ARP16-CP-TP03	ARP16-CP-TP06	ARP16-CP-TP07	ARP16-CP-TP11	ARP16-CP-TP11	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP14
						Sample Top	1.60	1.20	0.50	0.10	0.20	0.40	0.00	0.20	0.20	9.00	0.10	0.05	2.15	0.10	0.50	2.65	0.10	0.10	0.10	0.40	0.05	1.15	2.25	0.10
						Sample Ref	3	2	2	1	1	1	1	1	1	3	1	1	4	1	2	5	1	1	1	2	1	3	4	1
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	**3860**	**Commercial**	**mg/kg**	**0**	mg/kg																								
n-Butylbenzene	**26.598**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4-Dimethylphenol	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
3/4 Methylphenol	**46000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,4-Dichlorobenzene	**4220**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,2-Dichloroethane	**0.671**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,3,5-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Bromobenzene	**91.5**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chlorobenzene	**55.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Phenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Bis(2-chloroethoxy)methane	**0.956**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Bis(2-ethylhexyl)phthalate	**16600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Di-N-Octyl Phthalate	**20000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Hexachlorobenzene (HCB)	**28.9**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,4-Trichlorobenzene	**215**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4-Dichlorophenol	**977**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2,4-Dinitrotoluene	**928**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Dibromochloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Tetrachloroethene	**18.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Dimethylphthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Dibenzofuran	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Sec-Butylbenzene	**26.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
cis-1,2-Dichloroethene	**13.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
trans-1,2-Dichloroethene	**20.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Methyl tert-butyl ether (MTBE)	**7480**	**Commercial**	**mg/kg**	**0**	mg/kg	<0.01												<0.01	<0.01											
1,3-Dichlorobenzene	**29.9**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Tetrachloromethane (Carbon Tetra Chloride)	**2.87**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,3,4,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Chloro-3-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2,6-Dinitrotoluene	**468**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,1,1,2-Tetrachloroethane	**108**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chloroform	**99.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1,1-Trichloroethane	**660**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chloroethene	**0.0594**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Tribromomethane	**714**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Bromodichloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1-Dichloroethane	**263**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1-Dichloroethene	**24.3**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,2-Dichloropropane	**3.13**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1,2-Trichloroethane	**89.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Trichloroethene	**1.23**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Diethylphthalate	**89300**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Di-N-Butyl Phthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Butylbenzylphthalate	**254000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Carbazole	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,3 Trichlorobenzene	**102**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Hexachlorobutadiene (HCBD)	**30.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Pentachlorophenol (PCP)	**113**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2,4,6-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2-Methylnaphthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Chloronaphthalene	**370**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,3,5,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	ARP16-CP-BH15	ARP16-CP-BH16	ARP16-CP-BH20	ARP16-CP-BH29	ARP16-CP-BH31	ARP16-CP-BH34	ARP16-CP-BH50	ARP16-CP-BH51	ARP16-CP-BH54	ARP16-CP-BH54	ARP16-CP-BH55	ARP16-CP-TP01	ARP16-CP-TP01	ARP16-CP-TP02	ARP16-CP-TP03	ARP16-CP-TP03	ARP16-CP-TP06	ARP16-CP-TP07	ARP16-CP-TP11	ARP16-CP-TP11	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP14
Hole Ref																													
Sample Top						1.60	1.20	0.50	0.10	0.20	0.40	0.00	0.20	0.20	9.00	0.10	0.05	2.15	0.10	0.50	2.65	0.10	0.10	0.10	0.40	0.05	1.15	2.25	0.10
Sample Ref						3	2	2	1	1	1	1	1	1	3	1	1	4	1	2	5	1	1	1	2	1	3	4	1
						ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg	<0.01											<0.01	<0.01											
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg	<0.01											<0.01	<0.01											
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100																							
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100																							
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100																							
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg	<2																							
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg	<1																							
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100																							
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg	<100																							
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100																							
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100																							
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100																							
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg	<3																							
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100																							
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100																							
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg	<3																							
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100																							
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg	<100																							
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100																							
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100																							
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100																							
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg	<100																							
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg		77.0	77.0	122.0	80.0	90.0	115.0	64.0	67.0	80.0	92.0	106.0	15.0	85.0	153.0	772.0	89.0	111.0	106.0	43.0	103.0	20.0	32.0	86.0
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg	<10																							
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg	<1																							

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-CP-BH15	ARP16-CP-BH16	ARP16-CP-BH20	ARP16-CP-BH29	ARP16-CP-BH31	ARP16-CP-BH34	ARP16-CP-BH50	ARP16-CP-BH51	ARP16-CP-BH54	ARP16-CP-BH54	ARP16-CP-BH55	ARP16-CP-TP01	ARP16-CP-TP01	ARP16-CP-TP02	ARP16-CP-TP03	ARP16-CP-TP03	ARP16-CP-TP06	ARP16-CP-TP07	ARP16-CP-TP11	ARP16-CP-TP11	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP14
						Sample Top	1.60	1.20	0.50	0.10	0.20	0.40	0.00	0.20	0.20	9.00	0.10	0.05	2.15	0.10	0.50	2.65	0.10	0.10	0.10	0.40	0.05	1.15	2.25	0.10
						Sample Ref	3	2	2	1	1	1	1	1	1	3	1	1	4	1	2	5	1	1	1	2	1	3	4	1
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg		<0.6																							
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<5																							
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg		<10																							
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg		<100																							
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100																							
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100																							
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100																							
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg		<100																							
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg		<3																							
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100																							
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100																							
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100																							
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg		<100																							
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg		<100																							
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100																							
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100																							
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg		<1																							
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100																							
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg		<100																							
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01											<0.01	<0.01											
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01											<0.01	<0.01											
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg																									
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg																									
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type
Benzo(k)fluoranthene SVOC	114000	POS Maintenance	ug/kg	0	ug/kg
Acenaphthylene SVOC	28900000	POS PARK	ug/kg	0	ug/kg
Chrysene SVOC	91000	POS Maintenance	ug/kg	1	ug/kg
Benzo(a)pyrene SVOC	10800	POS PARK	ug/kg	8	ug/kg
Dibenzo(ah)anthracene SVOC	1150	POS PARK	ug/kg	10	ug/kg
Benzo(a)anthracene SVOC	48800	POS PARK	ug/kg	2	ug/kg
Acenaphthene SVOC	28900000	POS PARK	ug/kg	0	ug/kg
Phenanthrene SVOC	6170000	POS PARK	ug/kg	0	ug/kg
Fluorene SVOC	19600000	POS PARK	ug/kg	0	ug/kg
Naphthalene SVOC	193000	Commercial	ug/kg	1	ug/kg
Xylenols	9180	POS PARK	mg/kg	0	mg/kg
Cresols	46100	POS PARK	mg/kg	0	mg/kg
Tributyltin	42400	POS PARK	mg/kg	0	mg/kg
Methyl tert-butyl ether (MTBE)	7480000	Commercial	ug/kg	0	ug/kg
Aromatics >C6-7	27000000	Commercial	ug/kg	0	ug/kg
Aromatics >C7-8	56293712.8	Commercial	ug/kg	0	ug/kg
Aromatics >C8-10	3460000	Commercial	ug/kg	0	ug/kg
Aromatics >C10-12	9240000	POS PARK	ug/kg	0	ug/kg
Aromatics >C12-16	10200000	POS PARK	ug/kg	0	ug/kg
Aromatics >C16-21	7630000	POS PARK	ug/kg	0	ug/kg
Aromatics >C21-35	7820000	POS PARK	ug/kg	1	ug/kg
Aromatics >C35-44	7820000	POS PARK	ug/kg	0	ug/kg
Aliphatics >C5-6	3190000	Commercial	ug/kg	0	ug/kg
Aliphatics >C6-8	7780000	Commercial	ug/kg	0	ug/kg
Aliphatics >C8-10	2000000	Commercial	ug/kg	1	ug/kg
Aliphatics >C10-12	9690000	Commercial	ug/kg	0	ug/kg
Aliphatics >C12-16	24700000	POS PARK	ug/kg	0	ug/kg
Aliphatics >C16-21	455000000	POS PARK	ug/kg	0	ug/kg
Aliphatics >C21-35	455000000	POS PARK	ug/kg	0	ug/kg
Aliphatics >C35-44	455000000	POS PARK	ug/kg	0	ug/kg
Trivalent Chromium	33000	POS PARK	mg/kg	0	mg/kg
Molybdenum	2890	POS PARK	mg/kg	0	mg/kg
4-Nitroaniline	10800	POS PARK	ug/kg	0	ug/kg
Azobenzene	10800	POS PARK	ug/kg	0	ug/kg
4-Chloroaniline	10800000	POS PARK	ug/kg	0	ug/kg
2-Nitroaniline	10800	POS PARK	ug/kg	0	ug/kg

Hole Ref	Sample Top	Sample Ref	Sample Type
ARP16-CP-BH15	1.60	3	ES
ARP16-CP-BH16	1.20	2	ES
ARP16-CP-BH20	0.50	2	ES
ARP16-CP-BH29	0.10	1	ES
ARP16-CP-BH31	0.20	1	ES
ARP16-CP-BH34	0.40	1	ES
ARP16-CP-BH50	0.00	1	ES
ARP16-CP-BH51	0.20	1	ES
ARP16-CP-BH54	0.20	1	ES
ARP16-CP-BH54	9.00	3	ES
ARP16-CP-BH55	0.10	1	ES
ARP16-CP-TP01	0.05	1	ES
ARP16-CP-TP01	2.15	4	ES
ARP16-CP-TP02	0.10	1	ES
ARP16-CP-TP03	0.50	2	ES
ARP16-CP-TP03	2.65	5	ES
ARP16-CP-TP06	0.10	1	ES
ARP16-CP-TP07	0.10	1	ES
ARP16-CP-TP11	0.10	1	ES
ARP16-CP-TP11	0.40	2	ES
ARP16-CP-TP12	0.05	1	ES
ARP16-CP-TP12	1.15	3	ES
ARP16-CP-TP12	2.25	4	ES
ARP16-CP-TP14	0.10	1	ES

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Hole Ref	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP20	ARP16-CP-TP23	ARP16-CP-TP32	ARP16-CP-TP35	ARP16-CP-TP39	ARP16-CP-TP40	ARP16-CP-TP41	ARP16-CP-TP43	ARP16-CP-TP44	ARP16-CP-TP44	ARP16-CP-TP45	ARP16-CP-TP46	ARP16-CP-TP46	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP51	ARP16-CP-TP52	ARP16-CP-TP52	ARP16-CP-TP52
					Sample Top	0.10	1.05	1.30	2.00	1.00	0.30	0.10	0.20	0.20	0.10	0.10	0.20	0.00	2.00	0.10	0.05	0.30	0.00	0.25	1.80	0.10	0.00	0.45	1.65
					Sample Ref	1	2	3	4	2	2	1	1	1	1	1	1	1	3	1	1	2	1	2	5	1	1	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01										<0.01	<0.01						<0.01			<0.01	<0.01
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01										<0.01	<0.01						<0.01			<0.01	<0.01
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.02	0.1	<0.02	0.2		<0.02							0.0	0.0		0.1	<0.02	0.1	0.3	<0.02	<0.02	<0.02	<0.02	0.2
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg	0.1	0.6	<0.07	3.6		<0.07							0.2	0.2		0.9	<0.07	0.7	3.2	<0.07	<0.07	0.2	<0.07	1.0
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	<0.05	0.2	<0.05	0.7		<0.05							0.1	<0.05		0.7	<0.05	0.5	1.4	<0.05	<0.05	<0.05	<0.05	0.2
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	<0.03	0.2	<0.03	0.7		<0.03							0.1	0.1		0.7	<0.03	0.6	1.6	<0.03	<0.03	0.1	<0.03	0.2
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg	<0.05	0.5	<0.05	1.4		<0.05							0.2	0.1		0.9	<0.05	0.8	2.5	<0.05	<0.05	0.1	<0.05	0.5
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg	0.1	0.6	<0.08	2.3		<0.08							0.2	0.2		0.9	<0.08	0.8	3.5	<0.08	<0.08	0.2	<0.08	1.1
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	<0.07	0.2	<0.07	0.6		<0.07							<0.07	<0.07		0.4	<0.07	0.3	1.0	<0.07	<0.07	<0.07	<0.07	0.2
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.01	<0.01	<0.01	0.0		<0.01							<0.01	<0.01		0.0	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	<0.06	0.4	<0.06	1.4		<0.06							0.2	0.1		0.7	<0.06	0.7	2.2	<0.06	<0.06	0.1	<0.06	0.5
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg	<0.04	0.4	<0.04	1.1		<0.04							0.1	0.1		0.8	<0.04	0.7	2.3	<0.04	<0.04	0.1	<0.04	0.4
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg	<0.04	0.0	<0.04	0.2		<0.04							<0.04	<0.04		0.1	<0.04	0.1	0.3	<0.04	<0.04	<0.04	<0.04	0.1
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.04	0.3	<0.04	1.4		<0.04							0.1	0.1		0.5	<0.04	0.5	2.2	<0.04	<0.04	0.1	<0.04	0.5
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg																								
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01										<0.01	<0.01						<0.01			<0.01	<0.01
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg	25.0	14.0	7.0	18.0	42.0	12.0	23.0	28.0	26.0	13.0	30.0	23.0	25.0	17.0	37.0	49.0	18.0	52.0	115.0	27.0	37.0	14.0	20.0	30.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	0.5	0.2	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	0.3	0.3	<0.17	0.2	<0.17	<0.17	<0.17
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg	15.0	10.0	9.0	11.0	20.0	15.0	23.0	11.0	34.0	8.0	20.0	17.0	19.0	18.0	23.0	15.0	25.0	18.0	15.0	20.0	20.0	15.0	14.0	13.0
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg	8.0	6.0	3.0	3.0	8.0	6.0	5.0	6.0	10.0	2.0	6.0	3.0	8.0	6.0	6.0	5.0	13.0	8.0	6.0	11.0	6.0	9.0	8.0	6.0
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.0	<1.0	<1.0	<1.0	<1.0	2.3	1.1	<1.0	<1.0	<1.0	<1.0	2.2	1.9	<1.0	<1.0	1.4	1.3	<1.0
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg	1.9	1.2	0.8	0.8	0.9	1.3	0.8	<0.5	<0.5	<0.5	0.8	<0.5	1.8	1.5	<0.5	1.2	2.5	1.3	1.4	2.5	<0.5	1.3	1.2	1.3
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg	29.0	26.0	13.0	17.0	27.0	22.0	26.0	22.0	82.0	9.0	28.0	18.0	25.0	21.0	31.0	27.0	50.0	20.0	17.0	28.0	23.0	29.0	18.0	18.0
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg	21.0	7.0	6.0	10.0	20.0	11.0	16.0	11.0	23.0	8.0	21.0	17.0	20.0	17.0	19.0	17.0	21.0	21.0	30.0	13.0	28.0	10.0	20.0	14.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	39.0	37.0	24.0	27.0	36.0	38.0	37.0	26.0	64.0	16.0	32.0	27.0	38.0	34.0	44.0	33.0	83.0	30.0	23.0	44.0	37.0	38.0	35.0	28.0
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg	50.0	23.0	23.0	36.0	51.0	32.0	58.0	34.0	76.0	26.0	62.0	52.0	62.0	70.0	61.0	58.0	58.0	82.0	134.0	49.0	67.0	35.0	51.0	45.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg	<1	<1	<1	<1	2.0	<1	2.0	<1	1.0	1.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.0	<1	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.01	0.0	<0.01	0.1		<0.01							<0.01	0.0		0.0	<0.01	0.0	0.1	<0.01	<0.01	<0.01	<0.01	0.1
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg	0.1	0.1	0.0	0.6		<0.03							0.1	0.1		0.2	<0.03	0.3	1.0	<0.03	<0.03	0.1	<0.03	0.7
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.01	0.0	<0.01	0.1		<0.01							<0.01	0.0		0.0	<0.01	0.0	0.1	<0.01	<0.01	<0.01	<0.01	0.1
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg	<0.03	<0.03	<0.03	<0.03		<0.03							<0.03	<0.03		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01										<0.01	<0.01						<0.01			<0.01	<0.01
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1										<0.1	<0.1						<0.1			<0.1	<0.1
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1										0.5	<0.1						<0.1			<0.1	<0.1
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg		4.8	0.6										10.3	3.2						<0.1			0.8	1.4
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg		4.4	7.7										36.5	3.1						<0.1			32.4	48.8
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01										<0.01	<0.01						<0.01			<0.01	<0.01
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01										<0.01	<0.01						<0.01			<0.01	<0.01
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01										<0.01	<0.01						<0.01			<0.01	<0.01
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.1	<0.1										<0.1	<0.1						<0.1			<0.1	<0.1
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1										<0.1	<0.1						<0.1			<0.1	<0.1
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1										1.1	<0.1						<0.1			<0.1	<0.1
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	12.9										53.8	<0.1						<0.1			24.3	52.4
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01										<0.01	<0.01						<0.01			<0.01	<0.01
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP20	ARP16-CP-TP23	ARP16-CP-TP32	ARP16-CP-TP35	ARP16-CP-TP39	ARP16-CP-TP40	ARP16-CP-TP41	ARP16-CP-TP43	ARP16-CP-TP44	ARP16-CP-TP44	ARP16-CP-TP45	ARP16-CP-TP46	ARP16-CP-TP46	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP51	ARP16-CP-TP52	ARP16-CP-TP52	ARP16-CP-TP52
						Sample Top	0.10	1.05	1.30	2.00	1.00	0.30	0.10	0.20	0.20	0.10	0.10	0.20	0.00	2.00	0.10	0.05	0.30	0.00	0.25	1.80	0.10	0.00	0.45	1.65
						Sample Ref	1	2	3	4	2	2	1	1	1	1	1	1	1	3	1	1	2	1	2	5	1	1	2	4
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg																									
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg																									
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg																									
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg																									
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg																									
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg																									
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																									
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg																									
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg																									
Phenol	7600	POS PARK	mg/kg	0	mg/kg																									
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg																									
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg																									
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg																									
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg																									
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg																									
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg																									
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg																									
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg																									
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg																									
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg																									
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg																									
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg																									
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg																									
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg																									
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg		<0.01	<0.01											<0.01	<0.01						<0.01			<0.01	<0.01
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg																									
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg																									
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																									
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																									
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg																									
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg																									
Chloroform	99.1	Commercial	mg/kg	0	mg/kg																									
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg																									
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg																									
Tribromomethane	714	Commercial	mg/kg	0	mg/kg																									
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg																									
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg																									
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg																									
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg																									
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg																									
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg																									
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg																									
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg																									
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg																									
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg																									
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg																									
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg																									
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg																									
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																									
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg																									
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg																									
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg																									
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP20	ARP16-CP-TP23	ARP16-CP-TP32	ARP16-CP-TP35	ARP16-CP-TP39	ARP16-CP-TP40	ARP16-CP-TP41	ARP16-CP-TP43	ARP16-CP-TP44	ARP16-CP-TP44	ARP16-CP-TP45	ARP16-CP-TP46	ARP16-CP-TP46	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP51	ARP16-CP-TP52	ARP16-CP-TP52	ARP16-CP-TP52
						Sample Top	0.10	1.05	1.30	2.00	1.00	0.30	0.10	0.20	0.20	0.10	0.10	0.20	0.00	2.00	0.10	0.05	0.30	0.00	0.25	1.80	0.10	0.00	0.45	1.65
						Sample Ref	1	2	3	4	2	2	1	1	1	1	1	1	1	3	1	1	2	1	2	5	1	1	2	4
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01											<0.01	<0.01						<0.01			<0.01	<0.01
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01											<0.01	<0.01						<0.01			<0.01	<0.01
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg		<2																							
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg		<1																							
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg																									
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg		<3																							
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg		<3																							
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg																									
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg																									
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg	68.0	48.0	28.0	61.0	102.0	44.0	111.0	50.0	73.0	36.0	108.0	69.0	68.0	46.0	87.0	102.0	54.0	82.0	88.0	75.0	104.0	52.0	101.0	63.0
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10																							
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																							

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP20	ARP16-CP-TP23	ARP16-CP-TP32	ARP16-CP-TP35	ARP16-CP-TP39	ARP16-CP-TP40	ARP16-CP-TP41	ARP16-CP-TP43	ARP16-CP-TP44	ARP16-CP-TP44	ARP16-CP-TP45	ARP16-CP-TP46	ARP16-CP-TP46	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP51	ARP16-CP-TP52	ARP16-CP-TP52	ARP16-CP-TP52
						Sample Top	0.10	1.05	1.30	2.00	1.00	0.30	0.10	0.20	0.20	0.10	0.10	0.20	0.00	2.00	0.10	0.05	0.30	0.00	0.25	1.80	0.10	0.00	0.45	1.65
						Sample Ref	1	2	3	4	2	2	1	1	1	1	1	1	1	3	1	1	2	1	2	5	1	1	2	4
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																						
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10																						
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																						
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																						
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg		<10																						
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																						
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																						
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg																								
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																						
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																						
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																						
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																						
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg																								
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg		<3																						
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																						
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg																								
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																						
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																						
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg		<1																						
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																						
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg																								
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																						
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<1																						
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01											<0.01	<0.01						<0.01			<0.01	<0.01
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01											<0.01	<0.01						<0.01			<0.01	<0.01
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg																								
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg																								
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Hole Ref	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP20	ARP16-CP-TP23	ARP16-CP-TP32	ARP16-CP-TP35	ARP16-CP-TP39	ARP16-CP-TP40	ARP16-CP-TP41	ARP16-CP-TP43	ARP16-CP-TP44	ARP16-CP-TP44	ARP16-CP-TP45	ARP16-CP-TP46	ARP16-CP-TP46	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP51	ARP16-CP-TP52	ARP16-CP-TP52	ARP16-CP-TP52
					Sample Top	0.10	1.05	1.30	2.00	1.00	0.30	0.10	0.20	0.20	0.10	0.10	0.20	0.00	2.00	0.10	0.05	0.30	0.00	0.25	1.80	0.10	0.00	0.45	1.65
					Sample Ref	1	2	3	4	2	2	1	1	1	1	1	1	1	3	1	1	2	1	2	5	1	1	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg																								
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg																								
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg																								
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg																								
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg																								
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg																								
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg																								
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06
						Sample Top	0.10	0.50	1.00	5.50	1.30	4.30	6.00	0.80	3.00	6.00	9.50	0.90	10.50	13.50	17.80	2.50	5.50	8.80	0.10	2.90	10.50	2.00	5.00	8.00
						Sample Ref	1	2	3	4	1	2	3	1	2	3	4	1	5	6	8	2	3	4	1	2	4	1	2	3
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.02	0.0	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.3	<0.02	0.1	<0.02	0.4	<0.02	0.6	<0.02	0.2	0.1	<0.02	11.2	0.1	<0.02	0.5	<0.02	<0.02
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg	0.2	0.2	<0.07	<0.07	0.1	<0.07	0.3	2.5	0.1	<0.07	<0.07	2.1	<0.07	2.8	<0.07	3.2	0.7	0.2	43.3	0.3	<0.07	2.7	0.2	<0.07	
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	0.1	0.1	<0.05	<0.05	0.1	<0.05	0.1	0.8	<0.05	<0.05	<0.05	0.6	<0.05	0.7	<0.05	2.0	0.3	0.1	9.7	0.2	<0.05	0.9	0.1	<0.05	
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	0.2	0.1	<0.03	<0.03	0.1	<0.03	0.1	0.8	<0.03	<0.03	<0.03	0.6	<0.03	0.7	<0.03	2.4	0.3	0.1	11.9	0.3	<0.03	1.1	0.1	<0.03	
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg	0.2	0.1	<0.05	<0.05	0.1	<0.05	0.2	1.2	<0.05	<0.05	<0.05	1.2	<0.05	1.6	<0.05	4.2	0.6	0.2	18.8	0.4	<0.05	2.1	0.2	<0.05	
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg	0.2	0.2	<0.08	<0.08	0.2	<0.08	0.3	2.4	0.1	<0.08	<0.08	2.5	<0.08	4.5	<0.08	3.0	1.0	0.2	45.9	0.4	<0.08	3.4	0.2	<0.08	
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	0.1	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.4	<0.07	<0.07	<0.07	0.5	<0.07	0.5	<0.07	1.3	0.2	0.1	7.9	0.2	<0.07	0.7	0.1	<0.07	
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	0.0	<0.01	0.1	<0.01	0.0	0.0	<0.01	0.1	0.0	<0.01	0.1	<0.01	<0.01	
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	0.2	0.1	<0.06	<0.06	0.1	<0.06	0.2	1.1	<0.06	<0.06	<0.06	1.2	<0.06	1.5	<0.06	2.8	0.5	0.2	21.2	0.3	<0.06	2.1	0.2	<0.06	
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg	0.2	0.1	<0.04	<0.04	0.1	<0.04	0.2	1.0	<0.04	<0.04	<0.04	1.1	<0.04	1.2	<0.04	3.5	0.5	0.2	18.5	0.3	<0.04	1.8	0.1	<0.04	
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	<0.04	<0.04	<0.04	0.1	<0.04	0.2	<0.04	0.4	0.1	<0.04	2.9	0.1	<0.04	0.2	<0.04	<0.04	
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg	0.1	0.1	<0.04	<0.04	0.1	<0.04	0.1	1.3	0.1	<0.04	<0.04	1.2	<0.04	1.5	<0.04	2.7	0.5	0.2	24.4	0.3	<0.04	2.0	0.1	<0.04	
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg					<1	<1	<1	<1	8.0	<1	<1	<1	21.0	3.0	<1	<1	2.0	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg	54.0	38.0	21.0	3.0	24.0	2.0	88.0	62.0	64.0	21.0	3.0	112.0	76.0	342.0	23.0	59.0	312.0	21.0	60.0	36.0	160.0	103.0	258.0	41.0	
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.17	<0.17	<0.17	0.9	<0.17	0.9	0.8	0.6	0.3	<0.17	1.2	0.8	0.2	0.6	<0.17	0.8	9.3	<0.17	<0.17	0.3	<0.17	<0.17	0.5	<0.17	
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg	24.0	25.0	32.0	9.0	10.0	4.0	11.0	16.0	32.0	26.0	22.0	22.0	56.0	97.0	35.0	32.0	43.0	26.0	12.0	13.0	26.0	37.0	69.0	22.0	
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg					<5	<5	<5	<5	<5	<5	<5	<5	6.0	15.0	<5	<5	8.0	<5	<5	<5	15.0	<5	18.0	<5	
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg	8.0	7.0	5.0	<1	3.0	<1	2.0	6.0	10.0	10.0	<1	9.0	58.0	57.0	8.0	11.0	15.0	8.0	3.0	5.0	7.0	6.0	17.0	4.0	
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg					<1	<1	<1	1.0	1.0	1.0	<1	1.0	4.0	8.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg					<1.0	<1.0	<1.0	2.8	<1.0	2.8	<1.0	1.6	8.6	20.0	2.8	2.5	4.7	5.1	<1.0	<1.0	2.1	2.2	5.4	6.7	
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg	2.5	2.0	2.3	0.6	<0.5	<0.5	1.0	1.2	2.1	2.1	0.6	1.4	2.1	3.8	2.2	1.6	3.7	1.7	1.2	1.2	2.7	2.2	6.0	1.8	
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg	33.0	25.0	30.0	10.0	15.0	3.0	12.0	21.0	28.0	45.0	11.0	21.0	29.0	42.0	47.0	31.0	83.0	30.0	11.0	20.0	39.0	33.0	47.0	32.0	
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg	19.0	17.0	19.0	6.0	4.0	3.0	19.0	19.0	19.0	13.0	6.0	174.0	86.0	438.0	21.0	35.0	127.0	8.0	32.0	20.0	35.0	33.0	176.0	17.0	
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg					4.0	3.0	14.0	37.0	37.0	44.0	16.0	32.0	57.0	78.0	55.0	43.0	34.0	34.0	33.0	27.0	47.0	49.0	19.0	41.0	
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg	90.0	72.0	66.0	26.0	17.0	18.0	76.0	82.0	241.0	87.0	30.0	200.0	149.0	347.0	90.0	121.0	257.0	68.0	64.0	51.0	103.0	145.0	527.0	58.0	
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg	2.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	3.0	3.0	2.0	<1	<1	<1	<1	<1	<1	<1	1.0	<1	
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	0.0	0.1	0.0	<0.01	<0.01	0.1	<0.01	0.1	<0.01	0.1	0.1	<0.01	5.0	<0.01	<0.01	0.1	0.0	<0.01	
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg	0.1	0.1	<0.03	<0.03	<0.03	<0.03	0.1	0.9	0.1	0.0	<0.03	1.0	<0.03	2.5	<0.03	0.6	0.4	0.1	32.7	0.1	0.1	2.4	<0.03	<0.03	
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.0	0.0	<0.01	<0.01	0.1	<0.01	0.3	<0.01	0.1	0.1	<0.01	3.4	<0.01	<0.01	0.2	0.0	<0.01	
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.1	0.3	<0.03	0.1	0.0	<0.03	0.3	<0.03	0.1	0.0	<0.03	<0.03	
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg					<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1.0	1.2	<0.2	<0.2	<0.2	<0.2	
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01			<0.01		<0.01		<0.01		<0.05	<0.05	<0.01		<0.01						<0.01		
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1			1.3		<0.1		<0.1		1.7	9.9	<0.1		6.9						<0.1		
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1			10.8		<0.1		<0.1		7.4	10.0	<0.1		15.9						<0.1		
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1			9.3		2.2		<0.1		41.3	26.3	<0.1		46.0						<0.1		
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1			19.5		18.1		<0.1		<0.1	80.2	<0.1		85.8						<0.1		
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01			<0.01		<0.01		<0.01		<0.05	<0.05	<0.05		<0.05						<0.01		
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01			<0.01		<0.01		<0.01		<0.05	<0.05	<0.01		0.1						<0.01		
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01			<0.01		<0.01		<0.01		2.8	0.1	<0.01		0.2						0.0		
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1			17.9		<0.1		<0.1		46.0	3.2	0.5		19.2						<0.1		
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1			29.2		<0.1		<0.1		11.4	3.9	2.5		67.6						<0.1		
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1			3.9		<0.1		<0.1		34.2	30.4	3.3		103.0						<0.1		
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1			8.9		<0.1		<0.1		103.0	131.0	0.8		222.0						<0.1		
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01			<0.01		<0.01		<0.01		<0.05	<0.05	<0.01		<0.01						<0.01		
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06
						Sample Top	0.10	0.50	1.00	5.50	1.30	4.30	6.00	0.80	3.00	6.00	9.50	0.90	10.50	13.50	17.80	2.50	5.50	8.80	0.10	2.90	10.50	2.00	5.00	8.00
						Sample Ref	1	2	3	4	1	2	3	1	2	3	4	1	5	6	8	2	3	4	1	2	4	1	2	3
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	**3860**	**Commercial**	**mg/kg**	**0**	mg/kg																								
n-Butylbenzene	**26.598**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4-Dimethylphenol	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
3/4 Methylphenol	**46000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,4-Dichlorobenzene	**4220**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,2-Dichloroethane	**0.671**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,3,5-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Bromobenzene	**91.5**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chlorobenzene	**55.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Phenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Bis(2-chloroethoxy)methane	**0.956**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Bis(2-ethylhexyl)phthalate	**16600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Di-N-Octyl Phthalate	**20000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Hexachlorobenzene (HCB)	**28.9**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,4-Trichlorobenzene	**215**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4-Dichlorophenol	**977**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2,4-Dinitrotoluene	**928**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Dibromochloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Tetrachloroethene	**18.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Dimethylphthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Dibenzofuran	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Sec-Butylbenzene	**26.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
cis-1,2-Dichloroethene	**13.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
trans-1,2-Dichloroethene	**20.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Methyl tert-butyl ether (MTBE)	**7480**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01			<0.01		<0.01		<0.01		<0.05	<0.05	<0.01		<0.01						<0.01	
1,3-Dichlorobenzene	**29.9**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Tetrachloromethane (Carbon Tetra Chloride)	**2.87**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,3,4,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Chloro-3-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2,6-Dinitrotoluene	**468**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,1,1,2-Tetrachloroethane	**108**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chloroform	**99.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1,1-Trichloroethane	**660**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chloroethene	**0.0594**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Tribromomethane	**714**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Bromodichloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1-Dichloroethane	**263**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1-Dichloroethene	**24.3**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,2-Dichloropropane	**3.13**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1,2-Trichloroethane	**89.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Trichloroethene	**1.23**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Diethylphthalate	**89300**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Di-N-Butyl Phthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Butylbenzylphthalate	**254000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Carbazole	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,3 Trichlorobenzene	**102**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Hexachlorobutadiene (HCBD)	**30.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Pentachlorophenol (PCP)	**113**	**POS PARK**	**mg/kg**	**0**	mg/kg							<0.1										<0.1						<0.1	
2,4,6-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2-Methylnaphthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Chloronaphthalene	**370**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,3,5,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06
Hole Ref																												
Sample Top						0.10	0.50	1.00	5.50	1.30	4.30	6.00	0.80	3.00	6.00	9.50	0.90	10.50	13.50	17.80	2.50	5.50	8.80	0.10	2.90	10.50	2.00	5.00	8.00
Sample Ref						1	2	3	4	1	2	3	1	2	3	4	1	5	6	8	2	3	4	1	2	4	1	2	3
						ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	<0.01
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg								<1	<1	<1		<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100						<100	
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		2.0						<1	
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		2.0						<1	
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1						<1	
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1						<1	
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			137.0	<100		<100						<100	
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100						<100	
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1						<1	
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg			<2				<2		<2		<2			<2	<2		<2						<2	
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg			<1				<1		<1		<1			<1	<1		<1						<1	
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1						<1	
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1						<1	
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1						<1	
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100						<100	
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg			<100				<100		<100		<100			<100	<100		<100						<100	
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100						<100	
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				436.0		<100		<100			<100	<100		1450.0						<100	
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100						<100	
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg			<3				<3		<3		<3			<3	<3		<3						<3	
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100						<100	
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100						<100	
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg			<3				<3		<3		<3			<3	<3		<3						<3	
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		2.0						<1	
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		2190.0						<100	
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg			<100				<100		<100		<100			221.0	<100		<100						<100	
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1						<1	
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		2.0						<1	
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1						<1	
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			402.0	<100		215.0						167.0	
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1						<1	
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1						<1	
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100						<100	
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100						<100	
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1						<1	
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1						<1	
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100						<100	
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1						<1	
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1						<1	
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10				<10		<10		<10			<10	<10		<10						<10	
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1						<1	

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06
						Sample Top	0.10	0.50	1.00	5.50	1.30	4.30	6.00	0.80	3.00	6.00	9.50	0.90	10.50	13.50	17.80	2.50	5.50	8.80	0.10	2.90	10.50	2.00	5.00	8.00
						Sample Ref	1	2	3	4	1	2	3	1	2	3	4	1	5	6	8	2	3	4	1	2	4	1	2	3
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1					<1	
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<5				<5		<5		<5			<5	<5		<5					11.0	
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				1.0		<1		<1			4.0	2.0		9.0					<1	
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1					<1	
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg			<10				<10		<10		<10			<10	<10		<10					<10	
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1					<1	
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1					<1	
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100					<100	
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1					<1	
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1					<1	
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1					<1	
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1					<1	
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100					<100	
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			321.0	<100		2300.0					<100	
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100					<100	
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg			<100				<100		<100		<100			194.0	<100		<100					<100	
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg			<3				<3		<3		<3			<3	<3		<3					<3	
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1					<1	
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100					<100	
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100					<100	
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100					<100	
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg			<100				<100		<100		<100			<100	<100		<100					<100	
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100					<100	
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		1.0					<1	
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			316.0	<100		<100					<100	
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		<1					<1	
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100					<100	
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg			<1				<1		<1		<1			1.0	<1		1.0					<1	
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100					<100	
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			<1	<1		1.0					<1	
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg			<100				<100		<100		<100			<100	<100		<100					<100	
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		32.0		<1			<1	<1		<1					<1	
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg			<1				<1		<1		<1			1.0	<1		6.0					<1	
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01			<0.01		<0.01		<0.01		<0.05	<0.05	<0.01		0.1					<0.01	
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01			<0.01		<0.01		<0.01		0.2	<0.05	<0.01		0.1					0.0	
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<10										<10					<10	
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg							<50										<50					<50	
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<50										<50					<50	
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<50										<50					<50	
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<50										<50					<50	
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg							<50										<50					<50	
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<50										<50					<50	
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<50										<50					<50	
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg							<50										<50					<50	
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg							<0.1		<0.1		<0.1		<0.1	0.5	<0.1		<0.1					<0.1	
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg							2.5		<0.1		<0.1		<0.1	1.2	<0.1		6.8					<0.1	
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																							
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg																							
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg																							
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Hole Ref	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06
					Sample Top	0.10	0.50	1.00	5.50	1.30	4.30	6.00	0.80	3.00	6.00	9.50	0.90	10.50	13.50	17.80	2.50	5.50	8.80	0.10	2.90	10.50	2.00	5.00	8.00
					Sample Ref	1	2	3	4	1	2	3	1	2	3	4	1	5	6	8	2	3	4	1	2	4	1	2	3
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg																								
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg																								
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg																								
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg																								
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg																								
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg																								
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg																								
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH11	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12A	ARP16-LF-BH12A
						Sample Top	1.50	12.55	15.20	3.50	6.00	15.40	18.40	3.40	6.40	9.40	0.40	3.40	6.40	9.40	0.25	1.00	4.00	7.00	0.15	0.50	3.50	6.50	1.00	4.00
						Sample Ref	1	5	6	2	3	6	7	2	3	4	1	2	3	4	1	2	3	4	1	1	2	3	1	2
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	0.0	0.6	0.1	<0.01	<0.01	<0.01	<0.01	1.3		<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.4	0.2	0.6	2.9	5.8	0.5	<0.02	14.8		0.8		<0.02	0.1	<0.02	0.2	0.1	0.1	<0.02	<0.02	0.2	0.1	0.3	0.0	9.0
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg		2.8	0.6	1.7	9.6	22.3	1.4	0.1	28.5		2.8		0.2	0.1	0.1	0.9	0.2	1.6	<0.07	<0.07	3.2	1.7	2.3	0.2	23.4
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		0.6	0.2	0.2	1.2	3.6	0.3	0.1	2.6		0.9		0.1	<0.05	<0.05	0.5	0.1	0.8	<0.05	<0.05	1.0	0.4	0.6	<0.05	3.3
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		0.8	0.2	0.2	1.5	4.7	0.3	0.1	3.4		1.0		0.1	0.0	<0.03	0.6	0.1	1.1	0.0	<0.03	1.5	0.6	0.8	0.1	5.6
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg		1.5	0.5	0.5	3.4	11.0	0.6	0.2	10.1		2.2		<0.05	0.1	0.1	0.7	0.1	1.5	<0.05	<0.05	2.6	1.0	1.3	0.1	12.4
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg		3.5	0.9	2.1	13.0	25.1	1.7	0.2	37.4		3.7		0.2	0.3	0.3	1.0	0.2	1.7	<0.08	<0.08	3.5	1.8	3.0	0.2	26.7
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		0.7	0.3	0.2	1.5	3.5	0.2	<0.07	3.6		0.7		<0.07	<0.07	<0.07	0.3	<0.07	0.6	<0.07	<0.07	1.0	0.4	0.5	<0.07	4.8
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.3		0.1		<0.01	<0.01	<0.01	0.0	<0.01	0.1	<0.01	<0.01	0.0	<0.01	0.0	<0.01	2.6
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		1.6	0.3	0.6	3.6	9.4	0.6	0.1	12.0		1.3		0.2	0.1	0.1	0.6	0.1	1.2	<0.06	<0.06	2.3	0.8	0.9	0.1	11.2
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg		1.3	0.2	0.4	2.6	8.9	0.5	0.1	7.6		1.1		0.1	0.1	0.1	0.7	0.1	1.4	<0.04	<0.04	2.3	0.8	1.0	0.1	10.4
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg		0.1	<0.04	<0.04	0.3	0.7	0.1	<0.04	0.9		0.3		<0.04	<0.04	<0.04	0.1	<0.04	0.2	<0.04	<0.04	0.2	0.1	0.1	<0.04	0.8
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg		1.5	0.2	0.6	3.7	12.7	0.6	0.1	13.9		1.4		0.1	0.1	0.1	0.6	0.1	1.2	<0.04	<0.04	2.3	0.8	1.0	0.1	14.3
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg		<1	1.0	<1	<1	<1	<1	1.0	<1	2.0	8.0	<1	<1	1.0	4.0	<1	<1	2.0	<1	<1	<1	3.0	6.0	1.0	44.0
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		52.0	272.0	140.0	52.0	148.0	10.0	242.0	62.0	20.0	145.0	15.0	143.0	15700.0	492.0	33.0	52.0	91.0	5.0	44.0	134.0	177.0	811.0	36.0	159.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.17	<0.17	0.6	<0.17	<0.17	1.0	1.2	0.6	0.6	0.4	0.6	<0.17	<0.17	0.3	<0.17	<0.17	1.0	0.7	<0.17	0.3	1.0	0.6	0.2	0.2
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		22.0	28.0	20.0	42.0	751.0	9.0	71.0	30.0	20.0	152.0	19.0	36.0	40.0	108.0	15.0	18.0	19.0	16.0	18.0	22.0	50.0	52.0	30.0	26.0
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg		<5	5.0	<5	<5	13.0	<5	14.0	<5	<5	22.0	<5	<5	11.0	22.0	<5	<5	<5	<5	<5	<5	<5	93.0	<5	<5
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		7.0	13.0	5.0	16.0	33.0	3.0	52.0	10.0	6.0	12.0	2.0	13.0	11.0	53.0	9.0	8.0	9.0	2.0	5.0	10.0	12.0	8.0	7.0	24.0
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		1.0	1.0	<1	1.0	2.0	<1	7.0	1.0	1.0	1.0	<1	2.0	<1	8.0	1.0	<1	1.0	<1	1.0	1.0	3.0	2.0	1.0	1.0
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		1.9	8.4	4.9	3.1	2.3	3.8	13.0	2.5	2.0	6.5	<1.0	3.3	7.4	13.2	<1.0	1.5	1.1	<1.0	<1.0	1.7	4.4	19.3	1.2	1.3
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		3.2	2.3	1.3	2.5	7.6	<0.5	3.9	2.1	0.9	9.9	0.7	1.9	1.3	6.0	1.1	1.3	0.9	0.6	1.3	1.4	3.0	2.0	1.7	1.6
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		27.0	218.0	17.0	90.0	476.0	9.0	37.0	36.0	23.0	95.0	14.0	29.0	23.0	50.0	25.0	22.0	15.0	12.0	25.0	21.0	36.0	48.0	44.0	28.0
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		23.0	85.0	160.0	43.0	314.0	8.0	2030.0	29.0	13.0	457.0	10.0	38.0	39.0	472.0	17.0	20.0	185.0	9.0	17.0	71.0	96.0	412.0	65.0	33.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		34.0	28.0	17.0	33.0	53.0	10.0	56.0	45.0	36.0	54.0	18.0	36.0	23.0	61.0	34.0	38.0	19.0	16.0	29.0	39.0	44.0	46.0	64.0	46.0
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		117.0	2240.0	117.0	277.0	157.0	30.0	1700.0	117.0	46.0	631.0	58.0	263.0	35.0	515.0	55.0	82.0	192.0	35.0	77.0	117.0	371.0	497.0	82.0	113.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	1.0	<1	1.0	3.0	<1	2.0	<1	<1	3.0	<1	<1	<1	2.0	1.0	<1	<1	<1	<1	2.0	3.0	2.0	2.0	2.0
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.1	0.2	0.6	5.3	3.6	0.8	<0.01	35.8		0.8		0.0	0.1	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	0.2	<0.01	2.1
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg		1.4	0.4	2.3	12.8	16.1	2.0	0.0	57.0		2.5		0.1	0.3	<0.03	0.6	0.2	0.4	<0.03	<0.03	0.7	0.4	1.2	0.1	24.2
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.1	0.1	0.8	4.2	3.1	0.5	<0.01	28.6		0.7		0.0	0.2	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	0.3	<0.01	6.6
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.03	0.6	1.7	1.4	3.2	<0.03	0.0	33.9		0.6		<0.03	9.8	0.1	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.0	<0.03	2.1
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01		<0.01	<0.01				<0.01	<0.01	<0.05			<0.01	<0.01	<0.01		<0.01					<0.01		
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1		0.5	1.5				20.7	7.2	18.9			45.8	0.9	<0.1		<0.1					0.4		
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1		2.2	21.7				89.7	6.8	31.5			16.2	6.5	0.2		1.8					1.1		
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1		22.9	36.7				138.0	53.0	314.0			21.5	51.8	2.3		5.3					17.6		
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1		134.0	65.4				213.0	176.0	943.0			32.4	217.0	33.0		17.5					82.9		
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01		<0.01	<0.01				<0.05	<0.05	<0.05			<0.01	<0.01	<0.01		<0.01					<0.01		
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01		0.0	0.1				0.0	0.0	0.1			<0.01	0.0	<0.01		<0.01					<0.01		
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01		1.1	0.2				0.2	0.3	2.3			0.2	0.1	<0.01		<0.01					0.2		
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.1		22.7	1.2				12.6	5.4	24.4			17.8	16.9	<0.1		<0.1					8.0		
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1		21.7	7.1				33.7	13.1	138.0			15.5	1.7	<0.1		<0.1					3.7		
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1		116.0	37.4				26.5	97.8	1070.0			17.5	41.8	<0.1		<0.1					41.4		
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1		942.0	213.0				121.0	278.0	3070.0			47.8	528.0	<0.1		<0.1					111.0		
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01		<0.01	<0.01				<0.01	<0.01	<0.05			0.0	<0.01	<0.01		<0.01					<0.01		
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH11	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12A	ARP16-LF-BH12A
						Sample Top	1.50	12.55	15.20	3.50	6.00	15.40	18.40	3.40	6.40	9.40	0.40	3.40	6.40	9.40	0.25	1.00	4.00	7.00	0.15	0.50	3.50	6.50	1.00	4.00
						Sample Ref	1	5	6	2	3	6	7	2	3	4	1	2	3	4	1	2	3	4	1	1	2	3	1	2
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg																								
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg																								
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg																								
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg																								
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg																								
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																								
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg																								
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg																								
Phenol	7600	POS PARK	mg/kg	0	mg/kg																								
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg																								
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg																								
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg																								
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg																								
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg																								
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg																								
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg																								
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg																								
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg																								
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg																								
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg																								
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg																								
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg	<0.01		<0.01	<0.01				<0.01	<0.01	<0.05			<0.01	<0.01	<0.01		<0.01					<0.01			
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg																								
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg																								
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																								
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg																								
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg																								
Chloroform	99.1	Commercial	mg/kg	0	mg/kg																								
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg																								
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg																								
Tribromomethane	714	Commercial	mg/kg	0	mg/kg																								
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg																								
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg																								
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg																								
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg																								
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg																								
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg																								
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg																								
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg																								
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg				<0.1				<0.1					<0.1				<0.1					<0.1			
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																								
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg																								
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg																								
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg																								
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type
O-Xylene	6603.1	Commercial	mg/kg	0	mg/kg
2-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg
1,2-Dichlorobenzene	2020	Commercial	mg/kg	0	mg/kg
2-Chlorophenol	1010	POS PARK	mg/kg	0	mg/kg
1,2,4-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg
2,4,5-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg
Isopropylbenzene	1300	Commercial	mg/kg	0	mg/kg
4-Isopropyltoluene	1300	Commercial	mg/kg	0	mg/kg
m,p xylenes	5923.3	Commercial	mg/kg	0	mg/kg
Chromium - Hexavalent	220	POS PARK	mg/kg	0	mg/kg
Cyanide Free	168	Commercial	mg/kg	0	mg/kg
Complex Cyanide	3460	POS PARK	mg/kg	0	mg/kg
4-Nitrophenol	7600000	POS PARK	ug/kg	0	ug/kg
Ethylbenzene	5705504.8	Commercial	ug/kg	0	ug/kg
Styrene	3170000	Commercial	ug/kg	0	ug/kg
n-Propylbenzene	3860000	Commercial	ug/kg	0	ug/kg
n-Butylbenzene	26597.9	Commercial	ug/kg	0	ug/kg
2,4-Dimethylphenol	9180000	POS PARK	ug/kg	0	ug/kg
4-Methylphenol	46000000	POS PARK	ug/kg	0	ug/kg
1,4-Dichlorobenzene	4220000	Commercial	ug/kg	0	ug/kg
1,2-Dichloroethane	671	Commercial	ug/kg	0	ug/kg
1,3,5-Trimethylbenzene	39400	Commercial	ug/kg	3	ug/kg
Bromobenzene	91500	Commercial	ug/kg	0	ug/kg
Toluene VOC	56293712.79	Commercial	ug/kg	0	ug/kg
Chlorobenzene	55600	Commercial	ug/kg	0	ug/kg
Phenol SVOC	7600000	POS PARK	ug/kg	0	ug/kg
Bis(2-chloroethoxy)methane	956	Commercial	ug/kg	1	ug/kg
Bis(2-ethylhexyl)phthalate	16600000	POS PARK	ug/kg	0	ug/kg
n-Dioctylphthalate	20000000	POS PARK	ug/kg	0	ug/kg
Hexachlorobenzene	28900	POS PARK	ug/kg	0	ug/kg
1,2,4-Trichlorobenzene	215000	Commercial	ug/kg	0	ug/kg
2,4-Dichlorophenol	977000	POS PARK	ug/kg	0	ug/kg
2,4-Dinitrotoluene	928000	POS PARK	ug/kg	0	ug/kg
Dibromochloromethane	1960	Commercial	ug/kg	0	ug/kg
Tetrachloroethene	18600	Commercial	ug/kg	0	ug/kg
Dimethyl phthalate	2630000	POS PARK	ug/kg	0	ug/kg
Dibenzofuran	10800	POS PARK	ug/kg	5	ug/kg
sec-Butylbenzene	26597.8811	Commercial	ug/kg	0	ug/kg
cis 1,2-Dichloroethene	13600	Commercial	ug/kg	0	ug/kg
trans 1,2-Dichloroethene	20700	Commercial	ug/kg	0	ug/kg
Perylene	10800000	POS PARK	ug/kg	0	ug/kg
1,3-Dichlorobenzene	29900	Commercial	ug/kg	0	ug/kg
Carbon Tetrachloride	2870	Commercial	ug/kg	0	ug/kg
4-Chloro-3-methylphenol	46100000	POS PARK	ug/kg	0	ug/kg
2,6-Dinitrotoluene	468000	POS PARK	ug/kg	0	ug/kg
1,1,1,2-Tetrachloroethane	108000	Commercial	ug/kg	0	ug/kg
Chloroform	99100	Commercial	ug/kg	0	ug/kg
Hexachloroethane	20900000	Commercial	ug/kg	0	ug/kg
Benzene VOC	26597.9	Commercial	ug/kg	0	ug/kg
1,1,1-Trichloroethane	660000	Commercial	ug/kg	0	ug/kg
Barium	5770	POS PARK	mg/kg	0	mg/kg
Chloromethane	956000	Commercial	ug/kg	0	ug/kg
Chloroethane	904000000	Commercial	ug/kg	0	ug/kg

Hole Ref	Sample Top	Sample Ref	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH11	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12A	ARP16-LF-BH12A
	1.50	1	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
O-Xylene			<0.01	0.0	0.1	0.2	0.0	<0.01	<0.01	<0.01	<0.01	0.6		<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Methylphenol																										
1,2-Dichlorobenzene																										
2-Chlorophenol																										
1,2,4-Trimethylbenzene																										
2,4,5-Trichlorophenol																										
Isopropylbenzene																										
4-Isopropyltoluene																										
m,p xylenes			<0.01	3.0	0.4	2.4	0.3	<0.01	<0.01	<0.01	0.0	5.0		<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01
Chromium - Hexavalent			<1	<1		<1	<1		<1	<1	<1	<1		<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1
Cyanide Free																										
Complex Cyanide																										
4-Nitrophenol						<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
Ethylbenzene						550.0	7.0			<1		635.0	<1		9.0	<1	<1			<1				<1		
Styrene						<1	<5			<1		<1	<1		<1	<1	<1			<1				<1		
n-Propylbenzene						10.0	<5			<1		15.0	<1		11.0	<1	<1			<1				3.0		
n-Butylbenzene						4.0	<5			<1		<1	<1		10.0	<1	<1			<1				4.0		
2,4-Dimethylphenol						<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
4-Methylphenol						<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
1,4-Dichlorobenzene						7.0	<5			<1		2.0	<1		38.0	<1	<1			<1				<1		
1,2-Dichloroethane						<2	<10			<2		<2	<2		<2	<2	<2			<2				<2		
1,3,5-Trimethylbenzene						20.0	<5			<1		123.0	<1		<1	<1	<1			<1				<1		
Bromobenzene						<1	<5			<1		<1	<1		<1	<1	<1			<1				<1		
Toluene VOC						1.0	<5			<1		2.0	<1		1.0	1.0	<1			<1				1.0		
Chlorobenzene						<1	<5			<1		<1	<1		42.0	<1	<1			<1				<1		
Phenol SVOC						<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
Bis(2-chloroethoxy)methane						<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
Bis(2-ethylhexyl)phthalate						<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
n-Dioctylphthalate						174.0	<1000			182.0		6020.0	<100		<100	2050.0	<100			<100				350.0		
Hexachlorobenzene						<100	<1000			<100		<100	<100		<100	<100	<100		<50	<100				<100		
1,2,4-Trichlorobenzene						<3	<15			<3		<3	<3		<3	<3	<3			<3				<3		
2,4-Dichlorophenol						<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
2,4-Dinitrotoluene						<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
Dibromochloromethane						<3	<15			<3		<3	<3		<3	<3	<3			<3				<3		
Tetrachloroethene						<1	<5			<1		<1	<1		<1	<1	<1			<1				<1		
Dimethyl phthalate						<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
Dibenzofuran						3530.0	3010.0			31400.0		314.0	<100		128.0	<100	<100			<100				<100		
sec-Butylbenzene						1.0	<5			1.0		6.0	<1		3.0	<1	<1			<1				6.0		
cis 1,2-Dichloroethene						<1	<5			<1		<1	<1		<1	<1	<1			<1				<1		
trans 1,2-Dichloroethene						<1	<5			<1		<1	<1		<1	<1	<1			<1				<1		
Perylene						1830.0	3530.0			4530.0		403.0	<100		<100	<100	284.0			<100				488.0		
1,3-Dichlorobenzene						<1	<5			<1		<1	<1		3.0	<1	<1			<1				<1		
Carbon Tetrachloride						<1	<5			<1		<1	<1		<1	<1	<1			<1				<1		
4-Chloro-3-methylphenol						<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
2,6-Dinitrotoluene						<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
1,1,1,2-Tetrachloroethane						<1	<5			<1		<1	<1		<1	<1	<1			<1				<1		
Chloroform						<1	<5			<1		<1	<1		<1	<1	<1			<1				<1		
Hexachloroethane						<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
Benzene VOC						<1	<5			<1		1.0	<1		6.0	<1	<1			<1				<1		
1,1,1-Trichloroethane						<1	<5			<1		<1	<1		<1	<1	<1			<1				<1		
Barium																										
Chloromethane						<10	<50			<10		<10	<10		<10	<10	<10			<10				<10		
Chloroethane						<1	<5			<1		<1	<1		<1	<1	<1			<1				<1		

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Hole Ref	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH11	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12A	ARP16-LF-BH12A
					Sample Top	1.50	12.55	15.20	3.50	6.00	15.40	18.40	3.40	6.40	9.40	0.40	3.40	6.40	9.40	0.25	1.00	4.00	7.00	0.15	0.50	3.50	6.50	1.00	4.00
					Sample Ref	1	5	6	2	3	6	7	2	3	4	1	2	3	4	1	2	3	4	1	1	2	3	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg				<1	<5			<1		<1	<1		<1	<1	<1			<1				<1		
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg				<5	<25			<5		<5	<5		<5	<5	<5			<5				<5		
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg				6.0	<5			1.0		6.0	<1		4.0	7.0	<1			<1				7.0		
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg				<1	<5			<1		<1	<1		<1	<1	<1			<1				<1		
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg				<10	<50			<10		<10	<10		<10	<10	<10			<10				<10		
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg				<1	<5			<1		<1	<1		<1	<1	<1			<1				<1		
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg				<1	<5			<1		<1	<1		<1	<1	<1			<1				<1		
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg				<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg				<1	<5			<1		<1	<1		<1	<1	<1			<1				<1		
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg				<1	<5			<1		<1	<1		<1	<1	<1			<1				<1		
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg				<1	<5			<1		<1	<1		<1	<1	<1			<1				<1		
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg				25.0	<5			<1		<1	<1		<1	<1	<1			<1				<1		
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100	<1000			<100		374.0	<100		364.0	3960.0	<100			<100				<100		
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100	<1000			<100		10000.0	<100		<100	<100	<100			<100				<100		
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg				598.0	3110.0			6480.0		248.0	<100		<100	<100	<100			<100				<100		
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg				<3	<15			<3		<3	<3		<3	<3	<3			<3				<3		
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg				<1	<5			<1		<1	<1		<1	<1	<1			<1				<1		
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg				1170.0	1800.0			30800.0		494.0	<100		1340.0	<100	<100			<100				<100		
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg				<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg				81.0	<5			<1		216.0	<1		3.0	<1	<1			<1				1.0		
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg				1.0	<5			<1		3.0	<1		165.0	<1	<1			<1				<1		
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg				48.0	<5			12.0		308.0	<1		100.0	1.0	<1			<1				1.0		
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg				9.0	<5			<1		35.0	<1		4.0	<1	<1			<1				3.0		
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg				<100	<1000			<100		<100	<100		<100	<100	<100			<100				<100		
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg				66.0	<5			2.0		10.0	<1		<1	<1	<1			<1				1.0		
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg				3140.0	34.0			<1		2110.0	<1		11.0	<1	<1			<1				4.0		
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.01		0.5	3.1				<0.01	0.0	7.0			0.1	<0.01	<0.01		<0.01					<0.01		
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.01		1.1	0.5				0.1	0.3	3.2			1.1	0.0	<0.01		<0.01					0.1		
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<10				<10					<10				<10					<10		
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg				<50				<50					<50				<50					<50		
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<50				<50					<50				<50					<50		
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<50				<50					<50				<50					<50		
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<50				<50					<50				<50					<50		
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg				<50				<50					<50				<50					<50		
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<50				<50					<50				<50					<50		
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<50				<50					<50				<50					<50		
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg				<50				<50					<50				<50					<50		
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.1		4.0	1.2				2.6	1.1	22.9			16.5	81.0	7.4		<0.1					12.1		
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.1		96.7	2.7				21.9	4.4	116.0			26.1	400.0	<0.1		<0.1					34.6		
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100													
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100													
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg											<100													
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg											<100													
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg											149.0													
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100													

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH11	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12A	ARP16-LF-BH12A
					Hole Ref																								
					Sample Top	1.50	12.55	15.20	3.50	6.00	15.40	18.40	3.40	6.40	9.40	0.40	3.40	6.40	9.40	0.25	1.00	4.00	7.00	0.15	0.50	3.50	6.50	1.00	4.00
					Sample Ref	1	5	6	2	3	6	7	2	3	4	1	2	3	4	1	2	3	4	1	1	2	3	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg											<100													
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100													
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg											<100													
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg											171.0													
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg											<100													
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg											<100													
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100													
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100													
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100													
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg											<100													
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg																								
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg																								
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Hole Ref	ARP16-LF-BH12A	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH103	ARP16-MPT-BH103	ARP16-MPT-BH104	ARP16-MPT-BH104	ARP16-MPT-BH106	ARP16-MPT-BH106	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH109
					Sample Top	7.00	0.00	9.60	0.30	0.70	1.60	2.50	0.40	1.50	2.50	6.00	6.50	7.00	8.00	0.30	0.60	0.30	1.00	0.30	0.50	0.30	1.00	1.80	0.10
					Sample Ref	3	1	4	1	2	3	4	1	2	3	1	1	2	3	1	2	1	2	1	2	1	2	3	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg	<0.01		<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01						<0.01
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg	<0.01		<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01						<0.01
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg	0.1		<0.02	<0.02		<0.02		5.4	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	0.3	<0.02	<0.02	<0.02						<0.02
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg	0.4		<0.07	<0.07		0.2		20.9	1.2	<0.07	<0.07	<0.07	<0.07	<0.07	2.9	<0.07	0.2	<0.07						<0.07
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	0.2		<0.05	<0.05		0.1		6.1	0.6	<0.05	<0.05	<0.05	<0.05	<0.05	1.3	<0.05	0.1	<0.05						<0.05
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	0.2		<0.03	<0.03		0.1		7.3	0.7	<0.03	<0.03	<0.03	<0.03	<0.03	1.5	<0.03	0.1	<0.03						<0.03
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg	0.3		<0.05	<0.05		0.2		14.7	1.4	<0.05	<0.05	<0.05	<0.05	<0.05	3.0	<0.05	0.2	<0.05						<0.05
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg	0.5		<0.08	<0.08		0.3		22.4	1.3	<0.08	<0.08	<0.08	<0.08	<0.08	2.8	<0.08	0.1	<0.08						<0.08
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	0.2		<0.07	<0.07		0.1		5.3	0.4	<0.07	<0.07	<0.07	<0.07	<0.07	1.0	<0.07	<0.07	<0.07						<0.07
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.01		<0.01	<0.01		<0.01		0.6	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	0.2	<0.01	<0.01	<0.01						<0.01
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	0.3		<0.06	<0.06		0.2		10.7	0.9	<0.06	<0.06	<0.06	<0.06	<0.06	1.9	<0.06	0.1	<0.06						<0.06
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg	0.3		<0.04	<0.04		0.2		13.1	1.1	<0.04	<0.04	<0.04	<0.04	<0.04	2.5	<0.04	0.1	<0.04						<0.04
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg	<0.04		<0.04	<0.04		<0.04		1.6	0.2	<0.04	<0.04	<0.04	<0.04	<0.04	0.3	<0.04	<0.04	<0.04						<0.04
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg	0.3		<0.04	<0.04		0.2		10.6	0.8	<0.04	<0.04	<0.04	<0.04	<0.04	1.7	<0.04	0.1	<0.04						<0.04
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg	1.0			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg	<0.01		<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01						<0.01
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg	108.0	35.0	3.0	7.0	25.0	17.0	4.0	196.0	36.0	10.0	2.0	5.0	2.0	3.0	44.0	6.0	67.0	3.0	58.0	6.0	23.0	27.0	6.0	17.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.17	0.3	1.0	<0.17	<0.17	<0.17	0.4	<0.17	<0.17	<0.17	0.4	0.3	0.4	0.5	0.3	0.4	0.2	0.4	<0.17	0.7	<0.17	<0.17	0.8	<0.17
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg	32.0	27.0	9.0	8.0	12.0	16.0	10.0	27.0	19.0	16.0	3.0	8.0	3.0	2.0	13.0	5.0	18.0	3.0	30.0	7.0	23.0	21.0	10.0	17.0
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg	<5			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg	14.0	4.0	1.0	<1	7.0	4.0	<1	9.0	7.0	7.0	<1	3.0	<1	<1	3.0	<1	6.0	<1	6.0	<1	9.0	9.0	<1	6.0
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg	2.0	1.0	<1	<1	<1	1.0	<1	2.0	1.0	1.0	<1	<1	<1	<1	<1	<1	1.0	<1	1.0	<1	1.0	1.0	<1	1.0
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg	4.8	<1.0	<1.0	<1.0	1.5	1.9	<1.0	2.5	2.5	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	<1.0	1.0	<1.0	<1.0
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg	2.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.5	0.7	0.6	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	0.6	<0.5	1.3	<0.5	1.2	1.0	<0.5	1.8
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg	33.0	30.0	7.0	9.0	13.0	19.0	4.0	22.0	24.0	21.0	3.0	11.0	3.0	2.0	14.0	3.0	19.0	3.0	25.0	6.0	48.0	42.0	9.0	30.0
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg	200.0	25.0	6.0	8.0	11.0	10.0	5.0	107.0	19.0	7.0	3.0	7.0	3.0	2.0	20.0	5.0	45.0	3.0	29.0	4.0	16.0	17.0	6.0	10.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	47.0	45.0	10.0	23.0	28.0	20.0	4.0	32.0	28.0	25.0	3.0	9.0	3.0	2.0	13.0	4.0	22.0	4.0	36.0	8.0	74.0	64.0	10.0	38.0
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg	171.0	75.0	34.0	23.0	34.0	33.0	14.0	205.0	58.0	22.0	10.0	11.0	8.0	5.0	53.0	13.0	106.0	9.0	112.0	20.0	56.0	55.0	29.0	37.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg	2.0	2.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg	0.0		<0.01	<0.01		<0.01		0.9	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	<0.01						<0.01
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg	0.2		<0.03	<0.03		0.1		14.4	0.4	<0.03	<0.03	<0.03	<0.03	<0.03	1.0	<0.03	0.1	<0.03						<0.03
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg	0.0		<0.01	<0.01		<0.01		1.5	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	<0.01						<0.01
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg	<0.03		<0.03	<0.03		<0.03		0.4	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03						<0.03
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	<0.2			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	<0.2	<0.2	<0.2
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg			<0.01			<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg			<0.1			<0.1		1.2		<0.1	<0.1	<0.1	<0.1	<0.1										
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg			<0.1			<0.1		3.1		<0.1	<0.1	<0.1	<0.1	<0.1										
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg			<0.1			<0.1		36.7		<0.1	<0.1	<0.1	<0.1	<0.1										
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg			<0.1			<0.1		231.0		<0.1	<0.1	<0.1	<0.1	<0.1										
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg			<0.01			<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg			<0.01			<0.01		<0.01		<0.01	<0.01	<0.01	0.1	0.0										
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg			<0.01			<0.01		<0.01		<0.01	<0.01	<0.01	0.1	0.0										
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg			<0.1			<0.1		0.4		<0.1	<0.1	<0.1	<0.1	<0.1										
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg			<0.1			<0.1		8.9		<0.1	<0.1	<0.1	<0.1	<0.1										
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg			<0.1			<0.1		20.5		<0.1	<0.1	<0.1	<0.1	<0.1										
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg			<0.1			<0.1		184.0		<0.1	<0.1	<0.1	<0.1	<0.1										
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg			<0.01			<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-LF-BH12A	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH103	ARP16-MPT-BH103	ARP16-MPT-BH104	ARP16-MPT-BH104	ARP16-MPT-BH106	ARP16-MPT-BH106	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH109
						Sample Top	7.00	0.00	9.60	0.30	0.70	1.60	2.50	0.40	1.50	2.50	6.00	6.50	7.00	8.00	0.30	0.60	0.30	1.00	0.30	0.50	0.30	1.00	1.80	0.10
						Sample Ref	3	1	4	1	2	3	4	1	2	3	1	1	2	3	1	2	1	2	1	2	1	2	3	1
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg																								
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg																								
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg																								
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg																								
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg																								
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																								
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg																								
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg																								
Phenol	7600	POS PARK	mg/kg	0	mg/kg																								
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg																								
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg																								
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg																								
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg																								
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg																								
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg																								
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg																								
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg																								
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg																								
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg																								
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg																								
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg																								
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg			<0.01			<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01											
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg																								
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg																								
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																								
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg																								
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg																								
Chloroform	99.1	Commercial	mg/kg	0	mg/kg																								
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg																								
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg																								
Tribromomethane	714	Commercial	mg/kg	0	mg/kg																								
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg																								
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg																								
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg																								
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg																								
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg																								
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg																								
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg																								
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg																								
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg																								
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																								
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg																								
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg																								
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg																								
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-LF-BH12A	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH103	ARP16-MPT-BH103	ARP16-MPT-BH104	ARP16-MPT-BH104	ARP16-MPT-BH106	ARP16-MPT-BH106	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH109
						Sample Top	7.00	0.00	9.60	0.30	0.70	1.60	2.50	0.40	1.50	2.50	6.00	6.50	7.00	8.00	0.30	0.60	0.30	1.00	0.30	0.50	0.30	1.00	1.80	0.10
						Sample Ref	3	1	4	1	2	3	4	1	2	3	1	1	2	3	1	2	1	2	1	2	1	2	3	1
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01		<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01						<0.01
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01		<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01						<0.01
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1																							
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100												
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100												
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100												
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg											<2		<2												
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg											<1		<1												
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100												
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg											<100		<100												
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100												
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100												
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100												
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg											<3		<3												
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100												
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100												
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg											<3		<3												
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100												
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg											<100		<100												
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100												
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100												
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100												
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg											<100		<100												
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg		114.0		21.0																					
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg											<10		<10												
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1												

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-LF-BH12A	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH103	ARP16-MPT-BH103	ARP16-MPT-BH104	ARP16-MPT-BH104	ARP16-MPT-BH106	ARP16-MPT-BH106	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH109
						Sample Top	7.00	0.00	9.60	0.30	0.70	1.60	2.50	0.40	1.50	2.50	6.00	6.50	7.00	8.00	0.30	0.60	0.30	1.00	0.30	0.50	0.30	1.00	1.80	0.10
						Sample Ref	3	1	4	1	2	3	4	1	2	3	1	1	2	3	1	2	1	2	1	2	1	2	3	1
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1											
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg											<10		<10											
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1											
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1											
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg											<10		<10											
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1											
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1											
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg											<100		<100											
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1											
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1											
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1											
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1											
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100											
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100											
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100											
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg											<100		<100											
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg											<3		<3											
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1											
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100											
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100											
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100											
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg											<100		<100											
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg											<100		<100											
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1											
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100											
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1											
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100											
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg											<1		<1											
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<100		<100											
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1											
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg											<100		<100											
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1											
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg											<1		<1											
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg			<0.01			<0.01		<0.01			<0.01	<0.01	<0.01	<0.01	<0.01									
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg			<0.01			<0.01		<0.01			<0.01	<0.01	<0.01	<0.01	<0.01									
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg			<0.1			<0.1		50.4			<0.1	<0.1	<0.1	<0.1	<0.1									
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg			<0.1			<0.1		76.3			<0.1	<0.1	<0.1	<0.1	<0.1									
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg																								
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg																								
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Hole Ref	ARP16-LF-BH12A	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH103	ARP16-MPT-BH103	ARP16-MPT-BH104	ARP16-MPT-BH104	ARP16-MPT-BH106	ARP16-MPT-BH106	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH109
					Sample Top	7.00	0.00	9.60	0.30	0.70	1.60	2.50	0.40	1.50	2.50	6.00	6.50	7.00	8.00	0.30	0.60	0.30	1.00	0.30	0.50	0.30	1.00	1.80	0.10
					Sample Ref	3	1	4	1	2	3	4	1	2	3	1	1	2	3	1	2	1	2	1	2	1	2	3	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																							
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg																							
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg																							
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg																							
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg																							
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg																							
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg																							
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg																							
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																							

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH112	ARP16-MPT-BH112	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH115	ARP16-MPT-BH115	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH117	ARP16-MPT-BH117	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-IP101
						Sample Top	0.80	3.50	0.10	0.25	11.00	0.30	0.60	1.20	7.80	0.30	1.00	0.30	0.90	1.50	0.30	0.80	0.40	0.90	6.00	0.30	2.50	0.30	0.80	1.20
						Sample Ref	2	3	1	2	3	1	2	3	4	1	2	1	2	3	1	2	1	2	3	1	2	1	2	3
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.2	<0.02	0.6	0.1	<0.02	<0.20	<0.02	<0.02	<0.02	0.1	<0.02	<0.02	8.2	<0.02	<0.02	<0.02	0.1	<0.02	<0.02	0.1	<0.02	3.6	0.4	0.3
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.4	<0.07	6.0	0.3	<0.07	<0.70	<0.07	<0.07	<0.07	0.8	<0.07	<0.07	35.2	<0.07	0.1	<0.07	0.2	<0.07	<0.07	0.7	<0.07	41.2	4.0	3.7
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		0.1	<0.05	2.1	0.1	<0.05	<0.50	<0.05	<0.05	<0.05	0.6	0.1	<0.05	8.7	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	0.3	<0.05	6.3	1.1	1.2
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		0.1	<0.03	2.4	0.1	<0.03	<0.30	<0.03	<0.03	<0.03	0.7	0.1	<0.03	10.7	<0.03	0.0	<0.03	0.1	<0.03	<0.03	0.4	<0.03	8.0	1.4	1.5
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg		0.1	<0.05	4.1	0.2	<0.05	<0.50	<0.05	<0.05	<0.05	0.9	0.1	<0.05	19.9	<0.05	0.1	<0.05	0.1	<0.05	<0.05	0.8	<0.05	18.8	3.0	3.2
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.5	<0.08	7.0	0.3	<0.08	<0.80	<0.08	<0.08	<0.08	0.9	<0.08	<0.08	37.5	<0.08	0.1	<0.08	0.3	<0.08	<0.08	0.8	<0.08	40.6	3.5	3.5
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.07	<0.07	1.3	<0.07	<0.07	<0.70	<0.07	<0.07	<0.07	0.3	<0.07	<0.07	7.4	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.2	<0.07	6.6	0.8	0.9
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	0.0	<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	0.0	0.0
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		0.2	<0.06	3.4	0.2	<0.06	<0.60	<0.06	<0.06	<0.06	0.7	0.1	<0.06	13.9	<0.06	<0.06	<0.06	0.1	<0.06	<0.06	0.5	<0.06	18.2	2.0	2.1
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg		0.1	<0.04	3.2	0.1	<0.04	<0.40	<0.04	<0.04	<0.04	0.8	0.1	<0.04	17.4	<0.04	0.0	<0.04	0.1	<0.04	<0.04	0.6	<0.04	16.6	2.4	2.4
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg		<0.04	<0.04	0.4	<0.04	<0.04	<0.40	<0.04	<0.04	<0.04	0.1	<0.04	<0.04	1.9	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	<0.04	1.7	0.3	0.3
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.2	<0.04	3.2	0.2	<0.04	<0.40	<0.04	<0.04	<0.04	0.6	0.1	<0.04	14.2	<0.04	0.0	<0.04	0.1	<0.04	<0.04	0.5	<0.04	17.4	1.8	2.0
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.0	3.0	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		19.0	3.0	43.0	16.0	3.0	5.0	38.0	20.0	1.0	27.0	25.0	3.0	10.0	11.0	15.0	17.0	4.0	21.0	5.0	13.0	5.0	63.0	43.0	61.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.17	0.6	<0.17	<0.17	0.6	<0.17	<0.17	<0.17	0.6	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	0.4	<0.17	<0.17	0.3	<0.17	<0.17	0.2	0.3	0.3
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		26.0	11.0	16.0	35.0	11.0	7.0	5.0	23.0	3.0	21.0	19.0	7.0	14.0	20.0	7.0	22.0	8.0	6.0	16.0	9.0	15.0	16.0	15.0	14.0
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5.0
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		4.0	<1	6.0	8.0	<1	<1	2.0	11.0	<1	9.0	9.0	<1	6.0	9.0	2.0	10.0	<1	3.0	2.0	3.0	2.0	6.0	5.0	5.0
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		1.0	<1	1.0	1.0	<1	<1	<1	1.0	<1	1.0	1.0	<1	1.0	1.0	<1	1.0	<1	<1	<1	<1	1.0	1.0	<1	1.0
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	1.2
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		1.7	0.5	1.7	3.3	0.7	0.9	1.5	3.2	<0.5	0.9	0.9	<0.5	<0.5	0.9	<0.5	<0.5	1.0	2.3	0.7	<0.5	<0.5	0.7	0.6	0.5
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		28.0	10.0	19.0	61.0	13.0	11.0	6.0	48.0	2.0	18.0	27.0	7.0	22.0	45.0	11.0	59.0	10.0	9.0	13.0	10.0	6.0	14.0	13.0	13.0
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		17.0	5.0	23.0	17.0	7.0	17.0	81.0	30.0	2.0	13.0	12.0	6.0	8.0	9.0	10.0	13.0	8.0	76.0	13.0	19.0	5.0	40.0	40.0	40.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		42.0	13.0	34.0	89.0	19.0	32.0	39.0	76.0	3.0	34.0	40.0	26.0	41.0	62.0	27.0	78.0	32.0	66.0	14.0	27.0	11.0	21.0	17.0	16.0
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		56.0	24.0	141.0	61.0	36.0	21.0	35.0	48.0	12.0	62.0	45.0	19.0	35.0	32.0	30.0	45.0	27.0	56.0	22.0	40.0	22.0	115.0	86.0	91.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.2	<0.01	0.3	0.0	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	4.2	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	0.0	<0.01	0.6	0.2	0.1
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.7	<0.03	2.7	0.2	<0.03	<0.30	<0.03	<0.03	<0.03	0.2	<0.03	0.1	22.8	<0.03	0.1	<0.03	0.2	<0.03	<0.03	0.3	<0.03	12.4	1.4	1.1
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.2	<0.01	0.2	<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	2.8	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	0.0	<0.01	0.5	0.2	0.1
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg		0.1	<0.03	0.0	<0.03	<0.03	<0.30	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.5	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.1	<0.03
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg					<0.01			<0.01														<0.01		<0.01	<0.01
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg					<0.1			<0.1														<0.1		<0.1	<0.1
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg					<0.1			<0.1														<0.1		0.4	0.5
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg					<0.1			<0.1														<0.1		4.9	10.4
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg					<0.1			<0.1														<0.1		34.4	40.5
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg					<0.01			<0.01														<0.01		<0.01	<0.01
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg					<0.01			<0.01														<0.01		<0.01	<0.01
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg					<0.01			<0.01														<0.01		<0.01	<0.01
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg					<0.1			<0.1														<0.1		<0.1	<0.1
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg					<0.1			<0.1														<0.1		<0.1	<0.1
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg					<0.1			0.5														<0.1		<0.1	<0.1
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg					<0.1			28.3														<0.1		<0.1	<0.1
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg					<0.01			<0.01														<0.01		<0.01	<0.01
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH112	ARP16-MPT-BH112	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH115	ARP16-MPT-BH115	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH117	ARP16-MPT-BH117	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-IP101
						Sample Top	0.80	3.50	0.10	0.25	11.00	0.30	0.60	1.20	7.80	0.30	1.00	0.30	0.90	1.50	0.30	0.80	0.40	0.90	6.00	0.30	2.50	0.30	0.80	1.20
						Sample Ref	2	3	1	2	3	1	2	3	4	1	2	1	2	3	1	2	1	2	3	1	2	1	2	3
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg																								
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg																								
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg																								
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg																								
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg																								
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																								
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg																								
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg																								
Phenol	7600	POS PARK	mg/kg	0	mg/kg																								
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg																								
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg																								
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg																								
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg																								
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg																								
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg																								
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg																								
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg																								
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg																								
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg																								
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg																								
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg																								
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg				<0.01			<0.01														<0.01		<0.01	<0.01
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg																								
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg																								
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																								
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg																								
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg																								
Chloroform	99.1	Commercial	mg/kg	0	mg/kg																								
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg																								
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg																								
Tribromomethane	714	Commercial	mg/kg	0	mg/kg																								
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg																								
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg																								
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg																								
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg																								
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg																								
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg																								
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg																								
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg																								
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg																								
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																								
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg																								
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg																								
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg																								
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH112	ARP16-MPT-BH112	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH115	ARP16-MPT-BH115	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH117	ARP16-MPT-BH117	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-IP101
						Sample Top	0.80	3.50	0.10	0.25	11.00	0.30	0.60	1.20	7.80	0.30	1.00	0.30	0.90	1.50	0.30	0.80	0.40	0.90	6.00	0.30	2.50	0.30	0.80	1.20
						Sample Ref	2	3	1	2	3	1	2	3	4	1	2	1	2	3	1	2	1	2	3	1	2	1	2	3
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100				<100									<100				<100	<100			
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100				<100									<100				<100	<100			
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100				<100									<100				<100	<100			
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg				<2				<2									<2				<2	<2			
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg				9.0				<1									<1				<1	<1			
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100				<100									<100				<100	<100			
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg				<100				<100									<100				<100	<100			
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100				<100									<100				<100	<100			
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100				405.0									<100				1030.0	152.0			
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100				<100									<100				<100	<100			
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg				<3				<3									<3				<3	<3			
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100				<100									<100				<100	<100			
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100				<100									<100				<100	<100			
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg				<3				<3									<3				<3	<3			
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100				<100									<100				<100	<100			
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg				5040.0				<100									<100				<100	<100			
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg				4380.0				<100									<100				903.0	<100			
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100				<100									<100				<100	<100			
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100				<100									<100				<100	<100			
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg				<100				<100									<100				<100	<100			
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg				<10				<10									<10				<10	<10			
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg				<1				<1									<1				<1	<1			

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type
Vinyl Chloride	59.4	Commercial	ug/kg	0	ug/kg
Dichloromethane VOC	257000000	Commercial	ug/kg	0	ug/kg
Carbon Disulphide	11000000	Commercial	ug/kg	0	ug/kg
Bromoform	714000	Commercial	ug/kg	0	ug/kg
Bromodichloromethane	1960	Commercial	ug/kg	0	ug/kg
1,1-Dichloroethane	263000	Commercial	ug/kg	0	ug/kg
1,1-Dichloroethene	24300	Commercial	ug/kg	0	ug/kg
Isophorone	26597881.1	Commercial	ug/kg	0	ug/kg
1,2-Dichloropropane	3130	Commercial	ug/kg	0	ug/kg
1,1,2-Trichloroethane	89100	Commercial	ug/kg	0	ug/kg
Trichloroethene	1230	Commercial	ug/kg	0	ug/kg
1,1,2,2-Tetrachloroethane	274000000	Commercial	ug/kg	0	ug/kg
Diethyl phthalate	89300000	POS PARK	ug/kg	0	ug/kg
n-Dibutylphthalate	2630000	POS PARK	ug/kg	0	ug/kg
Butylbenzyl phthalate SVOC	254000000	POS PARK	ug/kg	0	ug/kg
Carbazole	10800	POS PARK	ug/kg	2	ug/kg
1,2,3-Trichlorobenzene	102000	Commercial	ug/kg	0	ug/kg
Hexachlorobutadiene	30700	Commercial	ug/kg	0	ug/kg
Pentachlorophenol	113000	POS PARK	ug/kg	0	ug/kg
2,4,6-Trichlorophenol	1010000	POS PARK	ug/kg	0	ug/kg
2-Nitrophenol	7600000000	POS PARK	ug/kg	0	ug/kg
2-Methylnaphthalene (SVOC) DEFAULT	193000	Commercial	ug/kg	2	ug/kg
2-Chloronaphthalene	370000	Commercial	ug/kg	0	ug/kg
o-Xylene	6603100.7	Commercial	ug/kg	0	ug/kg
2-Methylphenol	46100000	POS PARK	ug/kg	0	ug/kg
1,2-Dichlorobenzene	2020000	Commercial	ug/kg	0	ug/kg
2-Chlorophenol	1010000	POS PARK	ug/kg	0	ug/kg
1,2,4-Trimethylbenzene	39400	Commercial	ug/kg	5	ug/kg
2,4,5-Trichlorophenol	1010000	POS PARK	ug/kg	0	ug/kg
Isopropylbenzene	1300000	Commercial	ug/kg	0	ug/kg
Nitrobenzene	26597881.1	Commercial	ug/kg	0	ug/kg
4-Isopropyltoluene	1300000	Commercial	ug/kg	0	ug/kg
m & p Xylene	5923262.7	Commercial	ug/kg	0	ug/kg
Aro >C8-C9	7220	POS PARK	mg/kg	0	mg/kg
Aro >C9-C10	7220	POS PARK	mg/kg	0	mg/kg
Tributyltin SUBCON i2	42400000	POS PARK	ug/kg	0	ug/kg
Atrazine SUBCON Alcontrol	379000000	POS Maintenance	ug/kg	0	ug/kg
Aldrin SUBCON Alcontrol	7800000	POS PARK	ug/kg	0	ug/kg
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	46500000	POS PARK	ug/kg	0	ug/kg
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	13300000	POS PARK	ug/kg	0	ug/kg
Endosulphan II	1960000000	POS Maintenance	ug/kg	0	ug/kg
Dieldrin SUBCON Alcontrol	12900000	POS PARK	ug/kg	0	ug/kg
Dichlorvos	26000000	POS PARK	ug/kg	0	ug/kg
Endosulphan I	1950000000	POS Maintenance	ug/kg	0	ug/kg
Aro >C35-C44	7820	POS PARK	mg/kg	0	mg/kg
Ali >C35-C44	455000	POS PARK	mg/kg	0	mg/kg
Anthracene SVOC	149000000	POS PARK	ug/kg	0	ug/kg
Pyrene SVOC	15100000	POS PARK	ug/kg	0	ug/kg
Benzo(ghi)perylene SVOC	612000	POS Maintenance	ug/kg	0	ug/kg
Indeno(1,2,3-cd)pyrene SVOC	44000	POS Maintenance	ug/kg	1	ug/kg
Benzo(b)fluoranthene SVOC	13200	POS PARK	ug/kg	7	ug/kg
Fluoranthene SVOC	6300000	POS PARK	ug/kg	0	ug/kg

Hole Ref	Sample Top	Sample Ref	Sample Type	ARP16-MPT-BH109 ES	ARP16-MPT-BH109 ES	ARP16-MPT-BH110 ES	ARP16-MPT-BH110 ES	ARP16-MPT-BH110 ES	ARP16-MPT-BH111 ES	ARP16-MPT-BH111 ES	ARP16-MPT-BH111 ES	ARP16-MPT-BH111 ES	ARP16-MPT-BH112 ES	ARP16-MPT-BH112 ES	ARP16-MPT-BH114 ES	ARP16-MPT-BH114 ES	ARP16-MPT-BH114 ES	ARP16-MPT-BH115 ES	ARP16-MPT-BH115 ES	ARP16-MPT-BH116 ES	ARP16-MPT-BH116 ES	ARP16-MPT-BH116 ES	ARP16-MPT-BH117 ES	ARP16-MPT-BH117 ES	ARP16-MPT-IP101 ES	ARP16-MPT-IP101 ES	ARP16-MPT-IP101 ES
	0.80	2				<1				<1								<1					<1	<1			
	3.50	3				<5				<5								<5					<10	<10			
	0.10	1				<1				<1								<1					<1	<1			
	0.25	2				<1				<1								<1					<1	<1			
	11.00	3				<10				<10								<10					<10	<10			
	0.30	1				<1				<1								<1					<1	<1			
	0.60	2				<1				<1								<1					<1	<1			
	1.20	3				<1				<1								<1					<1	<1			
	7.80	4				<1				<1								<1					<1	<1			
	0.30	1				<1				<1								<1					<1	<1			
	1.00	2				<1				<1								<1					<1	<1			
	0.30	1				<1				<1								<1					<1	<1			
	0.90	2				<1				<1								<1					<1	<1			
	1.50	3				<1				<1								<1					<1	<1			
	0.30	1				<1				<1								<1					<1	<1			
	0.80	2				<1				<1								<1					<1	<1			
	0.40	1				<1				<1								<1					<1	<1			
	0.90	2				<1				<1								<1					<1	<1			
	6.00	3				<1				<1								<1					<1	<1			
	0.30	1				<1				<1								<1					<1	<1			
	2.50	2				<1				<1								<1					<1	<1			
	0.30	1				<1				<1								<1					<1	<1			
	0.80	2				<1				<1								<1					<1	<1			
	1.20	3				<1				<1								<1					<1	<1			

Contaminant Name	ARP16-MPT-BH117 ES	ARP16-MPT-IP101 ES	ARP16-MPT-IP101 ES	ARP16-MPT-IP101 ES
Vinyl Chloride	<1			
Dichloromethane VOC	<10			
Carbon Disulphide	<1			
Bromoform	<1			
Bromodichloromethane	<10			
1,1-Dichloroethane	<1			
1,1-Dichloroethene	<1			
Isophorone	<100			
1,2-Dichloropropane	<1			
1,1,2-Trichloroethane	<1			
Trichloroethene	<1			
1,1,2,2-Tetrachloroethane	<1			
Diethyl phthalate	<100			
n-Dibutylphthalate	<100			
Butylbenzyl phthalate SVOC	<100			
Carbazole	<100			
1,2,3-Trichlorobenzene	<3			
Hexachlorobutadiene	<1			
Pentachlorophenol	<100			
2,4,6-Trichlorophenol	<100			
2-Nitrophenol	<100			
2-Methylnaphthalene (SVOC) DEFAULT	<100			
2-Chloronaphthalene	<100			
o-Xylene	<1			
2-Methylphenol	<100			
1,2-Dichlorobenzene	<1			
2-Chlorophenol	<100			
1,2,4-Trimethylbenzene	<1			
2,4,5-Trichlorophenol	<100			
Isopropylbenzene	<1			
Nitrobenzene	<100			
4-Isopropyltoluene	<1			
m & p Xylene	<1			
Aro >C8-C9	<0.01	<0.01	<0.01	<0.01
Aro >C9-C10	<0.01	<0.01	<0.01	<0.01
Tributyltin SUBCON i2				
Atrazine SUBCON Alcontrol				
Aldrin SUBCON Alcontrol				
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol				
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol				
Endosulphan II				
Dieldrin SUBCON Alcontrol				
Dichlorvos				
Endosulphan I				
Aro >C35-C44	<0.1	3.7	2.9	
Ali >C35-C44	<0.1	<0.1	<0.1	
Anthracene SVOC				
Pyrene SVOC				
Benzo(ghi)perylene SVOC				
Indeno(1,2,3-cd)pyrene SVOC				
Benzo(b)fluoranthene SVOC				
Fluoranthene SVOC				

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type
Benzo(k)fluoranthene SVOC	114000	POS Maintenance	ug/kg	0	ug/kg
Acenaphthylene SVOC	28900000	POS PARK	ug/kg	0	ug/kg
Chrysene SVOC	91000	POS Maintenance	ug/kg	1	ug/kg
Benzo(a)pyrene SVOC	10800	POS PARK	ug/kg	8	ug/kg
Dibenzo(ah)anthracene SVOC	1150	POS PARK	ug/kg	10	ug/kg
Benzo(a)anthracene SVOC	48800	POS PARK	ug/kg	2	ug/kg
Acenaphthene SVOC	28900000	POS PARK	ug/kg	0	ug/kg
Phenanthrene SVOC	6170000	POS PARK	ug/kg	0	ug/kg
Fluorene SVOC	19600000	POS PARK	ug/kg	0	ug/kg
Naphthalene SVOC	193000	Commercial	ug/kg	1	ug/kg
Xylenols	9180	POS PARK	mg/kg	0	mg/kg
Cresols	46100	POS PARK	mg/kg	0	mg/kg
Tributyltin	42400	POS PARK	mg/kg	0	mg/kg
Methyl tert-butyl ether (MTBE)	7480000	Commercial	ug/kg	0	ug/kg
Aromatics >C6-7	27000000	Commercial	ug/kg	0	ug/kg
Aromatics >C7-8	56293712.8	Commercial	ug/kg	0	ug/kg
Aromatics >C8-10	3460000	Commercial	ug/kg	0	ug/kg
Aromatics >C10-12	9240000	POS PARK	ug/kg	0	ug/kg
Aromatics >C12-16	10200000	POS PARK	ug/kg	0	ug/kg
Aromatics >C16-21	7630000	POS PARK	ug/kg	0	ug/kg
Aromatics >C21-35	7820000	POS PARK	ug/kg	1	ug/kg
Aromatics >C35-44	7820000	POS PARK	ug/kg	0	ug/kg
Aliphatics >C5-6	3190000	Commercial	ug/kg	0	ug/kg
Aliphatics >C6-8	7780000	Commercial	ug/kg	0	ug/kg
Aliphatics >C8-10	2000000	Commercial	ug/kg	1	ug/kg
Aliphatics >C10-12	9690000	Commercial	ug/kg	0	ug/kg
Aliphatics >C12-16	24700000	POS PARK	ug/kg	0	ug/kg
Aliphatics >C16-21	455000000	POS PARK	ug/kg	0	ug/kg
Aliphatics >C21-35	455000000	POS PARK	ug/kg	0	ug/kg
Aliphatics >C35-44	455000000	POS PARK	ug/kg	0	ug/kg
Trivalent Chromium	33000	POS PARK	mg/kg	0	mg/kg
Molybdenum	2890	POS PARK	mg/kg	0	mg/kg
4-Nitroaniline	10800	POS PARK	ug/kg	0	ug/kg
Azobenzene	10800	POS PARK	ug/kg	0	ug/kg
4-Chloroaniline	10800000	POS PARK	ug/kg	0	ug/kg
2-Nitroaniline	10800	POS PARK	ug/kg	0	ug/kg

Hole Ref	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH112	ARP16-MPT-BH112	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH115	ARP16-MPT-BH115	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH117	ARP16-MPT-BH117	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-IP101
Sample Top	0.80	3.50	0.10	0.25	11.00	0.30	0.60	1.20	7.80	0.30	1.00	0.30	0.90	1.50	0.30	0.80	0.40	0.90	6.00	0.30	2.50	0.30	0.80	1.20
Sample Ref	2	3	1	2	3	1	2	3	4	1	2	1	2	3	1	2	1	2	3	1	2	1	2	3
Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Benzo(k)fluoranthene SVOC			6190.0																					
Acenaphthylene SVOC			122.0																					
Chrysene SVOC			21200.0																					
Benzo(a)pyrene SVOC			11900.0																					
Dibenzo(ah)anthracene SVOC			2910.0																					
Benzo(a)anthracene SVOC			13600.0																					
Acenaphthene SVOC			8060.0																					
Phenanthrene SVOC			39300.0																					
Fluorene SVOC			4320.0																					
Naphthalene SVOC			1640.0																					
Xylenols																								
Cresols																								
Tributyltin																								
Methyl tert-butyl ether (MTBE)																								
Aromatics >C6-7																								
Aromatics >C7-8																								
Aromatics >C8-10																								
Aromatics >C10-12																								
Aromatics >C12-16																								
Aromatics >C16-21																								
Aromatics >C21-35																								
Aromatics >C35-44																								
Aliphatics >C5-6																								
Aliphatics >C6-8																								
Aliphatics >C8-10																								
Aliphatics >C10-12																								
Aliphatics >C12-16																								
Aliphatics >C16-21																								
Aliphatics >C21-35																								
Aliphatics >C35-44																								
Trivalent Chromium																								
Molybdenum																								
4-Nitroaniline																								
Azobenzene																								
4-Chloroaniline																								
2-Nitroaniline																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-MPT TP101	ARP16-MPT TP101	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP104	ARP16-MPT TP104	ARP16-MPT TP104	ARP16-MPT TP104	ARP16-MPT TP105	ARP16-MPT TP105	ARP16-MPT TP106	ARP16-MPT TP106	ARP16-MPT TP107	ARP16-MPT TP107	ARP16-MPT TP107	ARP16-MPT TP108	ARP16-MPT TP108	ARP16-MPT TP108	ARP16-MPT TT102	ARP16-MPT TT102
						Sample Top	0.30	1.00	0.20	0.50	1.20	2.00	3.00	3.20	0.30	0.50	1.20	2.20	0.30	1.00	0.00	1.20	0.10	0.30	1.00	0.30	0.50	1.00	0.30	1.00
						Sample Ref	1	2	1	2	3	4	5	6	1	2	3	4	1	2	1	2	1	2	3	1	2	3	1	2
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01							<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01							<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.02	<0.02							1.1	0.4	<0.02	<0.02			<0.02	<0.02	1.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.5
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.07	<0.07							12.0	5.7	<0.07	<0.07			<0.07	<0.07	16.1	0.1	<0.07	<0.07	<0.07	<0.07	<0.07	4.4
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.05	<0.05							4.6	2.0	<0.05	<0.05			<0.05	<0.05	6.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.8
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.03	<0.03							5.3	2.3	<0.03	<0.03			<0.03	<0.03	6.9	0.1	<0.03	<0.03	<0.03	<0.03	<0.03	3.2
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg		<0.05	<0.05							9.1	4.0	<0.05	<0.05			<0.05	<0.05	10.8	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	4.1
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.08	<0.08							13.1	5.9	<0.08	<0.08			<0.08	<0.08	18.4	0.1	<0.08	<0.08	<0.08	<0.08	<0.08	4.5
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.07	<0.07							3.3	1.5	<0.07	<0.07			<0.07	<0.07	4.1	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	1.5
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01							0.2	0.1	<0.01	<0.01			<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.2
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.06	<0.06							6.8	3.1	<0.06	<0.06			<0.06	<0.06	9.2	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	2.9
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg		<0.04	<0.04							7.8	3.7	<0.04	<0.04			<0.04	<0.04	9.0	0.1	<0.04	<0.04	<0.04	<0.04	<0.04	3.8
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg		<0.04	<0.04							0.8	0.3	<0.04	<0.04			<0.04	<0.04	1.1	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.6
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.04	<0.04							7.5	3.4	<0.04	<0.04			<0.04	<0.04	9.6	0.1	<0.04	<0.04	<0.04	<0.04	<0.04	2.9
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg		<1	<1	<1	<1	<1	<1	<1	<1	3.0	5.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01							<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		50.0	2.0	41.0	19.0	27.0	74.0	62.0	<1	98.0	95.0	9.0	4.0	20.0	21.0	44.0	15.0	34.0	17.0	16.0	32.0	23.0	15.0	218.0	21.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.2	0.6	<0.17	<0.17	<0.17	<0.17	0.2	0.8	<0.17	<0.17	<0.17	0.8	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		23.0	4.0	18.0	23.0	19.0	46.0	24.0	4.0	21.0	22.0	37.0	15.0	40.0	60.0	17.0	16.0	14.0	22.0	10.0	20.0	29.0	23.0	48.0	16.0
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		8.0	<1	10.0	19.0	12.0	8.0	5.0	<1	10.0	13.0	2.0	<1	4.0	5.0	12.0	6.0	7.0	10.0	6.0	7.0	5.0	9.0	14.0	5.0
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		1.0	<1	1.0	2.0	1.0	2.0	1.0	<1	1.0	1.0	2.0	<1	2.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	4.0	1.0
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		1.4	<1.0	<1.0	1.0	<1.0	2.0	1.6	<1.0	1.2	1.7	1.3	<1.0	<1.0	1.5	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	3.0
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		1.7	<0.5	1.2	1.0	0.9	1.8	1.1	<0.5	1.1	1.2	0.9	<0.5	0.9	1.3	2.3	2.2	1.7	3.2	1.6	2.2	2.4	3.1	1.2	0.7
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		22.0	3.0	31.0	33.0	31.0	33.0	19.0	3.0	27.0	26.0	36.0	13.0	40.0	54.0	34.0	31.0	20.0	43.0	26.0	31.0	30.0	34.0	21.0	29.0
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		27.0	2.0	18.0	12.0	13.0	42.0	32.0	3.0	29.0	66.0	17.0	11.0	18.0	29.0	16.0	11.0	15.0	15.0	6.0	13.0	22.0	18.0	108.0	11.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		32.0	4.0	43.0	58.0	50.0	45.0	27.0	4.0	46.0	45.0	55.0	23.0	56.0	80.0	43.0	51.0	32.0	69.0	32.0	46.0	56.0	65.0	43.0	25.0
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		85.0	12.0	80.0	43.0	68.0	359.0	127.0	14.0	89.0	120.0	92.0	48.0	73.0	103.0	52.0	32.0	56.0	43.0	35.0	57.0	55.0	48.0	138.0	42.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01							0.3	0.1	<0.01	<0.01			<0.01	<0.01	0.4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.2
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.03	<0.03							3.8	1.6	<0.03	<0.03			<0.03	<0.03	5.6	0.0	<0.03	<0.03	<0.03	<0.03	<0.03	1.7
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01							0.2	0.1	<0.01	<0.01			<0.01	<0.01	0.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.2
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.03	<0.03							0.1	<0.03	<0.03	<0.03			<0.03	<0.03	0.1	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg										<0.01	<0.01	<0.01	<0.01												<0.01
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg										0.3	<0.1	<0.1	<0.1												<0.1
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg										1.6	0.6	<0.1	<0.1												1.8
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg										15.1	10.3	<0.1	<0.1												13.0
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg										58.8	32.0	<0.1	<0.1												104.0
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg										<0.01	<0.01	<0.01	<0.01												<0.01
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg										<0.01	<0.01	<0.01	<0.01												<0.01
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg										<0.01	<0.01	<0.01	<0.01												<0.01
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg										<0.1	<0.1	<0.1	<0.1												<0.1
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg										0.8	0.5	<0.1	<0.1												1.2
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg										1.7	1.4	<0.1	<0.1												6.8
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg										16.8	11.6	<0.1	<0.1												80.7
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg										<0.01	<0.01	<0.01	<0.01												<0.01
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-MPT TP101	ARP16-MPT TP101	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP104	ARP16-MPT TP104	ARP16-MPT TP104	ARP16-MPT TP104	ARP16-MPT TP105	ARP16-MPT TP105	ARP16-MPT TP106	ARP16-MPT TP106	ARP16-MPT TP107	ARP16-MPT TP107	ARP16-MPT TP107	ARP16-MPT TP108	ARP16-MPT TP108	ARP16-MPT TP108	ARP16-MPT TT102	ARP16-MPT TT102
						Sample Top	0.30	1.00	0.20	0.50	1.20	2.00	3.00	3.20	0.30	0.50	1.20	2.20	0.30	1.00	0.00	1.20	0.10	0.30	1.00	0.30	0.50	1.00	0.30	1.00
						Sample Ref	1	2	1	2	3	4	5	6	1	2	3	4	1	2	1	2	1	2	3	1	2	3	1	2
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg																									
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg																									
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg																									
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg																									
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg																									
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg																									
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																									
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg																									
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg																									
Phenol	7600	POS PARK	mg/kg	0	mg/kg																									
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg																									
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg																									
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg																									
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg																									
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg																									
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg																									
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg																									
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg																									
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg																									
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg																									
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg																									
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg																									
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg																									
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg																									
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg										<0.01	<0.01	<0.01	<0.01												<0.01
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg																									
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg																									
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																									
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																									
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg																									
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg																									
Chloroform	99.1	Commercial	mg/kg	0	mg/kg																									
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg																									
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg																									
Tribromomethane	714	Commercial	mg/kg	0	mg/kg																									
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg																									
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg																									
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg																									
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg																									
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg																									
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg																									
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg																									
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg																									
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg																									
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg																									
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg																									
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg																									
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg																									
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																									
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg																									
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg																									
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg																									
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-MPT TP101	ARP16-MPT TP101	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP104	ARP16-MPT TP104	ARP16-MPT TP104	ARP16-MPT TP104	ARP16-MPT TP105	ARP16-MPT TP105	ARP16-MPT TP106	ARP16-MPT TP106	ARP16-MPT TP107	ARP16-MPT TP107	ARP16-MPT TP107	ARP16-MPT TP108	ARP16-MPT TP108	ARP16-MPT TP108	ARP16-MPT TT102	ARP16-MPT TT102
						Sample Top	0.30	1.00	0.20	0.50	1.20	2.00	3.00	3.20	0.30	0.50	1.20	2.20	0.30	1.00	0.00	1.20	0.10	0.30	1.00	0.30	0.50	1.00	0.30	1.00
						Sample Ref	1	2	1	2	3	4	5	6	1	2	3	4	1	2	1	2	1	2	3	1	2	3	1	2
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01							<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01							<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg																									<2
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg																									<1
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg																									<100
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<3
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg																									<3
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg																									<100
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									1760.0
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<100
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<10
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	ARP16-MPT TP101	ARP16-MPT TP101	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP103	ARP16-MPT TP104	ARP16-MPT TP104	ARP16-MPT TP104	ARP16-MPT TP104	ARP16-MPT TP105	ARP16-MPT TP105	ARP16-MPT TP106	ARP16-MPT TP106	ARP16-MPT TP107	ARP16-MPT TP107	ARP16-MPT TP107	ARP16-MPT TP108	ARP16-MPT TP108	ARP16-MPT TP108	ARP16-MPT TT102	ARP16-MPT TT102
						Sample Top	0.30	1.00	0.20	0.50	1.20	2.00	3.00	3.20	0.30	0.50	1.20	2.20	0.30	1.00	0.00	1.20	0.10	0.30	1.00	0.30	0.50	1.00	0.30	1.00
						Sample Ref	1	2	1	2	3	4	5	6	1	2	3	4	1	2	1	2	1	2	3	1	2	3	1	2
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<10
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg																									<10
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg																									<100
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg																									<100
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<3
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg																									<100
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<100
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg																									<1
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									<100
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg																									<100
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg																									<1
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg										<0.01	<0.01	<0.01	<0.01												<0.01
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg										<0.01	<0.01	<0.01	<0.01												<0.01
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg										13.0	2.3	<0.1	<0.1												27.1
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg										17.6	8.3	<0.1	<0.1												22.3
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg																									
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg																									
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Hole Ref	ARP16-MPT-TP101	ARP16-MPT-TP101	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP105	ARP16-MPT-TP105	ARP16-MPT-TP106	ARP16-MPT-TP106	ARP16-MPT-TP107	ARP16-MPT-TP107	ARP16-MPT-TP107	ARP16-MPT-TP108	ARP16-MPT-TP108	ARP16-MPT-TP108	ARP16-MPT-TT102	ARP16-MPT-TT102
					Sample Top	0.30	1.00	0.20	0.50	1.20	2.00	3.00	3.20	0.30	0.50	1.20	2.20	0.30	1.00	0.00	1.20	0.10	0.30	1.00	0.30	0.50	1.00	0.30	1.00
					Sample Ref	1	2	1	2	3	4	5	6	1	2	3	4	1	2	1	2	1	2	3	1	2	3	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																							
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg																							
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg																							
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg																							
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg																							
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg																							
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg																							
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg																							
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																							

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	AEC18-LF-BBH204	AEC18-LF-BBH207	AEC18-LF-BBH209	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH202	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH204	AEC18-LF-BH204	AEC18-LF-BH204	AEC18-LF-BH205A	AEC18-LF-BH205A	AEC18-LF-BH206	AEC18-LF-BH206
					Hole Ref																								
					Sample Top	0.50	0.30	0.40	0.70	2.70	4.00	0.90	5.60	0.50	0.40	5.00	8.30	0.50	11.10	2.50	5.30	8.30	0.30	11.00	5.00	0.30	3.50	2.80	5.00
					Sample Ref	2	1	2	2	5	7	2	4	2	1	5	6	2	9	5	6	7	1	7	5	1	3	4	7
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg																								
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg																								
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg																								
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg	<1		<1	<1	<1	<1	<1	2.1	<1	<1	2.9	<1	<1	1.2	<1	<0.5	1.7	<1	<0.5	<1	<1	<1	<1	3.9
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg	30.7		22.3	33.6	64.9	71.6	17.9	187.0	10.3	39.4	74.9	19.0	96.5	109.0	77.6	1490.0	310.0	23.0	<0.002	37.6	108.0	249.0	32.7	110.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.14		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	0.4	<0.14	<0.14	<0.14	<0.14	<0.0001	<1.4	<0.14	<0.0001	<0.14	<0.14	<0.14	<0.14	<0.14
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg	53.9		44.3	19.4	17.6	25.7	14.5	12.0	8.4	44.7	6.9	24.3	26.6	21.7	31.4	0.0	511.0	21.1	0.1	57.4	22.2	28.8	13.1	13.9
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.6		<0.6	<0.6	<0.6	<0.6	<0.6	6.4	<0.6	<0.6	2.1	<0.6	2.0	0.7	<0.6	<6	<6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	2.1
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg	16.2		16.1	12.1	16.1	14.4	12.9	6.9	3.0	17.3	2.8	7.2	16.3	14.2	17.0	0.0	21.6	14.4	0.0	14.3	21.5	19.7	15.6	11.2
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg	3.0		2.1	0.9	0.9	1.1	0.5	0.2	0.4	2.0	0.3	1.4	1.2	1.4	1.2	<0.001	<0.1	1.1	<0.001	1.7	0.8	1.3	0.5	0.5
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg	<1		<1	<1	2.3	2.3	<1	18.9	<1	<1	1.1	3.7	1.3	4.3	2.3	1.1	2.3	<1	2.1	2.9	1.4	4.0	1.3	2.6
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg	0.4		0.2	0.1	0.4	0.4	<0.02	0.7	0.1	<0.02	0.9	0.2	0.6	0.4	0.1	<0.0008	0.8	<0.02	<0.0008	0.4	0.1	0.9	0.0	0.4
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg	26.8		34.4	19.2	23.0	18.3	10.4	8.6	5.2	25.5	21.4	17.2	13.9	10.4	15.9	<9	332.0	34.7	0.1	21.8	11.6	24.7	17.8	9.3
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg	32.6		31.3	37.8	23.3	34.7	8.5	38.0	10.1	38.5	63.6	14.3	48.3	33.4	37.2	<0.003	84.4	17.7	0.0	37.4	36.8	301.0	16.3	808.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	77.1		85.7	52.8	49.4	51.5	30.5	14.0	10.9	72.4	9.2	32.9	39.4	22.7	41.6	<0.01	18.3	61.8	<0.01	49.8	27.9	36.4	59.4	13.1
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg	107.0		88.0	107.0	109.0	103.0	59.3	216.0	34.7	124.0	284.0	103.0	238.0	377.0	141.0	240.0	344.0	58.2	0.0	117.0	219.0	741.0	65.6	263.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg	1.4		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.01	<10	<1	<0.01	<1	<1	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	<0.035		<0.035	<0.035	<0.035	<0.035	<0.035	0.4	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.4	<0.035	<0.035	0.1	<0.035	
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BBH204	AEC18-LF-BBH207	AEC18-LF-BBH209	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH202	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH204	AEC18-LF-BH204	AEC18-LF-BH204	AEC18-LF-BH205A	AEC18-LF-BH205A	AEC18-LF-BH206	AEC18-LF-BH206
						Sample Top	0.50	0.30	0.40	0.70	2.70	4.00	0.90	5.60	0.50	0.40	5.00	8.30	0.50	11.10	2.50	5.30	8.30	0.30	11.00	5.00	0.30	3.50	2.80	5.00
						Sample Ref	2	1	2	2	5	7	2	4	2	1	5	6	2	9	5	6	7	1	7	5	1	3	4	7
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg																									
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg																									
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg																									
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg																									
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg																									
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg																									
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																									
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg																									
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg																									
Phenol	7600	POS PARK	mg/kg	0	mg/kg	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg																									
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg																									
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg																									
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg																									
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg																									
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg																									
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg																									
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg																									
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg																									
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg																									
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg																									
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg																									
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg																									
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg																									
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg																									
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg																									
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg																									
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																									
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																									
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg																									
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg																									
Chloroform	99.1	Commercial	mg/kg	0	mg/kg																									
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg																									
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg																									
Tribromomethane	714	Commercial	mg/kg	0	mg/kg																									
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg																									
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg																									
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg																									
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg																									
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg																									
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg																									
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg																									
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg																									
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg																									
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg																									
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg																									
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg																									
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg																									
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																									
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg																									
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg																									
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg																									
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BBH204	AEC18-LF-BBH207	AEC18-LF-BBH209	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH202	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH204	AEC18-LF-BH204	AEC18-LF-BH204	AEC18-LF-BH205A	AEC18-LF-BH205A	AEC18-LF-BH206	AEC18-LF-BH206
						Sample Top	0.50	0.30	0.40	0.70	2.70	4.00	0.90	5.60	0.50	0.40	5.00	8.30	0.50	11.10	2.50	5.30	8.30	0.30	11.00	5.00	0.30	3.50	2.80	5.00
						Sample Ref	2	1	2	2	5	7	2	4	2	1	5	6	2	9	5	6	7	1	7	5	1	3	4	7
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg													<0.01												
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg									<0.6				<0.6				<0.3			<0.3			<0.6		
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg																	<0.5			<0.5					
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg																	<0.5			<0.5					
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	<500
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg			<4	<4			<4		<4			<4	<4		<4		<80	56.9		139.0			120.0	<4	541.0
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg																		32.7		<100			<100	<10	<200
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg																		17.0		539.0			<100	<10	<200
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg																		<11		<110			<110	<11	<220
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	<500
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	78700.0
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	1670.0
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg																		<5		<50			<50	<5	<100
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg																		51.6		808.0			204.0	<8	666.0
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg																		<10		<100			<100	<10	<200
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg			<7	<7			<7		<7			<7	<7		<7		<140	12.8		<70			<70	<7	<140
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg																		8.3		<50			<50	616.0	<100
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		141.0		<200			<500	<100	6470.0
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg																		<100		<200			<500	<100	<500
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		371.0		480.0			53800.0	<100	10800.0
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	970.0
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg													<50					<100		<200			<500	<100	<500
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg																		<100		<200			<200	<100	<400
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	<500
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	<500
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg																		<10		<100			<100	<10	<200
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg																		<5		<50			<50	<5	<100
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	<500
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg																		<100		<200			<500	<100	<500
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg																		<10		<100			<100	<10	<200
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg																		8.5		<60			<60	<6	<120
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg																		<10		<100			<100	<10	<200
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	<160
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg																		<10		<100			<100	<10	<200
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	<500
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	<500
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg																		<10		<100			<100	<10	<200
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg																		<8		<80			<80	<8	<160
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	<500
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg			<9	<9			<9		<9			<9	<9		<9		<180	<9		<90			<90	<9	<180
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg																		<7		<70			<70	<7	<140
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg																	1.0			1.4					
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg																		<7		<70			<70	<7	<140
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg																		<10		<100			<100	<10	<200

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BBH204	AEC18-LF-BBH207	AEC18-LF-BBH209	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH202	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH204	AEC18-LF-BH204	AEC18-LF-BH204	AEC18-LF-BH205A	AEC18-LF-BH205A	AEC18-LF-BH206	AEC18-LF-BH206
						Sample Top	0.50	0.30	0.40	0.70	2.70	4.00	0.90	5.60	0.50	0.40	5.00	8.30	0.50	11.10	2.50	5.30	8.30	0.30	11.00	5.00	0.30	3.50	2.80	5.00
						Sample Ref	2	1	2	2	5	7	2	4	2	1	5	6	2	9	5	6	7	1	7	5	1	3	4	7
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg																		<6		<60			<60	<6	<120
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg																		23.8		<100			<100	18.6	<200
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg																		<7		<70			<70	13.5	<140
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg																		<10		<100			<100	<10	<200
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg																		<7		<70			<70	<7	<140
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg																		<8		<80			<80	<8	<160
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg																		<10		<100			<100	<10	<200
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	<500
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg																		<10		<100			<100	<10	<200
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg																		<10		<100			<100	<10	<200
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg																		<9		<90			<90	<9	<180
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg																		<10		<100			<100	<10	<200
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	50100.0
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		141.0		436.0			<500	<100	2580.0
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		<100		<200			131000.0	<100	1020.0
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg																		<100		500.0			<500	<100	<500
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg																		<20		<200			<200	<20	<400
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg																		<100		<200			<200	<100	<400
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	<500
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	<500
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	<500
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg																		<100		<200			<500	<100	<500
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg																		<100		436.0			<500	<100	<500
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10			<10		<10			<10	<10		<10		<200		23.3		<100			<100	<10	<200
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	<500
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg																		<10		<100			<100	<100	<200
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	<500
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg																		371.0		13800.0			751.0	<9	2090.0
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	<500
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg																		13.7		89.8			65.3	<5	<100
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg																		<100		<200			<500	<100	<500
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg																		<10		<100			<100	<10	<200
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10			<10		<10			<10	<10		<10		<200		248.0		199.0			570.0	<10	2390.0
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg												<50													
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg												<50													
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg												<50													
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg												<50													
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg												<50													
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg												<50													
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg												<50													
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		220.0	<16			274.0		260.0			89.6	20.2		748.0		1220.0		552.0		1720.0			<500	<100	<160
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		981.0	<15			1390.0		1180.0			664.0	129.0		4300.0		3220.0		986.0		3040.0			<500	185.0	1070.0
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		363.0	<24			413.0		273.0			666.0	50.7		1460.0		521.0		269.0		569.0			<500	<100	<240
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		373.0	<18			505.0		268.0			493.0	34.9		1990.0		493.0		307.0		547.0			<500	<100	<180
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg		531.0	<15			862.0		624.0			929.0	97.3		3520.0		1240.0		282.0		509.0			<500	<100	<150
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg		1150.0	<17			1590.0		1350.0			776.0	144.0		5100.0		3680.0		934.0		5810.0			<500	234.0	<500

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BBH204	AEC18-LF-BBH207	AEC18-LF-BBH209	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH202	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH204	AEC18-LF-BH204	AEC18-LF-BH204	AEC18-LF-BH205A	AEC18-LF-BH205A	AEC18-LF-BH206	AEC18-LF-BH206
						Sample Top	0.50	0.30	0.40	0.70	2.70	4.00	0.90	5.60	0.50	0.40	5.00	8.30	0.50	11.10	2.50	5.30	8.30	0.30	11.00	5.00	0.30	3.50	2.80	5.00
						Sample Ref	2	1	2	2	5	7	2	4	2	1	5	6	2	9	5	6	7	1	7	5	1	3	4	7
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		250.0	<14			331.0		229.0			278.0	39.5		1350.0		439.0	269.0		633.0			<500	<100	<140
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<60	<12			<60		<60			96.7	<12		236.0		66.8	<100		<200			<500	<100	<120
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		415.0	<10			639.0		569.0			437.0	74.4		2380.0		1040.0	346.0		1070.0			<500	123.0	491.0
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg		506.0	<15			619.0		371.0			602.0	68.2		2830.0		976.0	320.0		841.0			<500	<100	<150
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg		<115	<23			<115		<115			125.0	<23		383.0		144.0	<100		<200			<500	<100	1100.0
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg		393.0	<14			590.0		449.0			443.0	73.7		2530.0		1360.0	384.0		1890.0			<500	135.0	<140
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		49.4	<8			102.0		311.0			13.6	20.2		32.1		1630.0	128.0		<200			<500	<100	<500
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg		594.0	<15			936.0		1620.0			269.0	85.5		1850.0		3860.0	614.0		7460.0			<500	<100	718.0
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<50	<10			112.0		425.0			15.1	15.5		153.0		1400.0	<100		1720.0			<500	<100	<500
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg		<45	<9			<45		608.0			37.8	<9		41.5		103.0	<100		365.0			<500	<100	<500
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.015		<0.015	<0.015	<0.015	<0.015	<0.015	0.4	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.3	<0.015	<0.015	0.1	<0.015	
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	0.0	<0.01	<0.01	<0.01	
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg												<0.02													
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg												<10					<10		<100			<100	<10	<200
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg												<10					<10		<100			<10	<10	<10
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg												<10					<10		<100			<10	<10	35.0
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg												<10					517.0		13500.0			1430.0	146.0	5560.0
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg												<10					251.0		11900.0			1030.0	221.0	3370.0
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg												<100					8570.0		47900.0			36400.0	3220.0	21700.0
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg												5250.0					91500.0		280000.0			128000.0	12600.0	270000.0
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg												7250.0					374000.0		614000.0			504000.0	30400.0	2220000.0
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg												1330.0					73300.0		88300.0			110000.0	10000.0	154000.0
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg												<10					19.2		<100			16.0	13.5	33.4
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg												<10					118.0		350.0			421.0	97.2	924.0
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg												<10					430.0		20300.0			1450.0	220.0	8340.0
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg												<10					376.0		17800.0			1550.0	332.0	5050.0
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg												<100					14700.0		109000.0			102000.0	7430.0	24600.0
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg												<100					105000.0		289000.0			307000.0	16200.0	332000.0
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg												6230.0					481000.0		707000.0			1590000.0	24700.0	2370000.0
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg												<100					93800.0		84700.0			229000.0	2970.0	126000.0
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg																<0.3			<0.3					
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg																0.2			0.4					
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																	<100		<200			<500	<100	<500
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																	<100		<200			<500	<100	<500
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																	<100		<200			<500	<100	<500
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																	<100		<200			<500	<100	<500

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	AEC18-LF-BH206	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212A	AEC18-LF-BH213
					Hole Ref																								
					Sample Top	6.40	0.10	12.10	17.60	7.50	11.80	4.80	7.50	9.40	0.30	10.80	13.00	4.70	0.50	3.20	6.80	8.80	1.20	10.70	17.00	6.40	9.40	20.00	13.70
					Sample Ref	8	1	7	9	4	6	3	4	5	1	5	6	3	1	5	7	9	2	7	10	5	6	1	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg																								
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg																								
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg																								
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg	<1	<1	<1	9.3	5.1	<1	<1	<1	<1	<1	<1	2.0	5.3	<1	<1	<0.5	<1	1.7		<1	3.2	<1	<1	2.8
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg	139.0	55.5	93.4	648.0	80.8	31.4	30.2	133.0	167.0	57.4	122.0	386.0	429.0	145.0	35.3	1250.0	289.0	35.5		54.4	107.0	49.5	169.0	186.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.14	<0.14	<0.14	2.2	0.3	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.0001	<0.14	<0.14	<0.0001	<0.14	<0.14		<0.14	<0.14	0.2	<0.14	<0.14
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg	26.8	18.1	37.1	83.3	27.7	40.0	15.4	14.8	19.0	33.8	18.5	35.8	2310.0	373.0	22.1	0.1	75.2	18.5		11.4	13.3	22.9	21.7	48.7
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg	2.0	<0.6	2.1	10.2	0.7	<0.6	<0.6	2.7	3.5	<0.6	5.9	8.2	1.5	<0.6	<0.6	<6	16.1	1.1		<0.6	2.2	2.7	<0.6	3.4
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg	12.6	14.0	15.5	72.1	13.5	15.1	13.1	11.5	11.1	16.6	7.9	16.9	0.5	9.0	7.5	0.0	52.0	3.4		6.4	9.8	7.1	16.1	26.1
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg	2.5	2.5	1.4	8.1	0.6	2.1	0.9	0.7	0.8	1.5	0.9	2.4	<0.001	3.6	1.1	<0.001	4.8	0.3		0.7	0.6	0.1	1.3	2.7
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg	3.1	2.5	2.3	20.6	2.8	2.6	4.7	1.1	4.1	<1	15.7	4.8	3.5	1.2	1.9	5.1	20.2	<1		3.0	4.5	12.1	20.0	8.0
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg	0.6	0.2	0.0	<0.02	2.1	<0.02	0.1	0.5	0.4	0.2	0.5	0.9	0.0	3.1	0.4	<0.0008	1.1	0.5		0.1	0.5	1.1	<0.02	1.1
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg	39.1	17.3	38.4	19.4	35.4	33.8	19.0	11.3	36.9	16.4	15.6	19.3	0.1	26.7	12.2	0.1	4.9	20.8		10.2	16.1	43.5	29.0	71.5
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg	60.9	67.8	60.8	153.0	389.0	44.0	44.8	28.2	161.0	47.4	69.7	157.0	1870.0	29.5	39.6	0.0	175.0	48.1		17.1	48.9	238.0	14.5	335.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	48.9	39.8	32.2	57.3	23.5	89.7	36.8	26.3	33.0	43.5	20.9	40.0	0.3	82.9	26.8	<0.01	39.5	7.7		16.7	12.7	8.8	62.7	54.4
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg	205.0	116.0	296.0	524.0	761.0	157.0	98.6	183.0	549.0	112.0	270.0	393.0	930.0	88.6	75.1	0.3	650.0	167.0		60.0	126.0	1190.0	71.1	332.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.01	1.7	<1	<0.01	1.3	<1		<1	<1	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	0.1	<0.035	0.1	<0.035	<0.035	<0.035	<0.035	<0.035	0.1	<0.035	<0.035	<0.035	0.1	0.1	<0.035	<0.035	<0.035	<0.035		<0.035	<0.035		<0.035	0.1
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BH206	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212A	AEC18-LF-BH213
						Sample Top	6.40	0.10	12.10	17.60	7.50	11.80	4.80	7.50	9.40	0.30	10.80	13.00	4.70	0.50	3.20	6.80	8.80	1.20	10.70	17.00	6.40	9.40	20.00	13.70
						Sample Ref	8	1	7	9	4	6	3	4	5	1	5	6	3	1	5	7	9	2	7	10	5	6	1	7
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg																								
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg																								
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg																								
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg																								
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg																								
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																								
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg																								
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg																								
Phenol	7600	POS PARK	mg/kg	0	mg/kg		0.0	<0.01	0.0	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.05		<0.01	0.0
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg																								
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg																								
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg																								
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg																								
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg																								
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg																								
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg																								
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg																								
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg																								
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg																								
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg																								
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg																								
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg																								
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg																								
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg																								
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																								
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg																								
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg																								
Chloroform	99.1	Commercial	mg/kg	0	mg/kg																								
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg																								
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg																								
Tribromomethane	714	Commercial	mg/kg	0	mg/kg																								
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg																								
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg																								
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg																								
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg																								
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg																								
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg																								
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg																								
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg																								
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg																								
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																								
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg																								
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg																								
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg																								
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	AEC18-LF-BH206	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212A	AEC18-LF-BH213
					Hole Ref																								
					Sample Top	6.40	0.10	12.10	17.60	7.50	11.80	4.80	7.50	9.40	0.30	10.80	13.00	4.70	0.50	3.20	6.80	8.80	1.20	10.70	17.00	6.40	9.40	20.00	13.70
					Sample Ref	8	1	7	9	4	6	3	4	5	1	5	6	3	1	5	7	9	2	7	10	5	6	1	7
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg			<0.01						<0.01								<0.01							<0.01
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg				<1.2							<0.6		<0.3			<0.3								
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg													<0.5			<0.5								
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg													<0.5			<0.5								
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100				<100						<100					<100	<100		<100		<100	<100		<100
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg	<80	<4	5.9	<40	<4				112.0		22.2	<80	674.0		<4	<4	<800		923.0	<4	166.0	1510.0		80.6
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg	<200				<10						<10					<10	<2000		<100		<10	<200		<100
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg	<200				<10						15.0					<10	<2000		<100		53.8	<200		<100
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg	<220				<11						<11					<11	<2200		<110		<11	<220		<110
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100				<100						<100					<100	169.0		<100		<100	1890.0		<100
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100				<100						<100					186.0	278.0		<100		<100	50500.0		<100
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg	<100				<100						<100					<100	<100		107.0		<100	6500.0		<100
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg	<100				<5						<5					<5	<1000		<50		<5	<100		<50
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg	<160				<8						<8					<8	<1600		603.0		216.0	1700.0		<80
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg	<200				<10						<10					<10	<2000		<100		<10	<200		<100
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg	<140	<7	<7	<70	<7				<7		8.5	<140	829.0		<7	<7	<1400		<70	<7	10.5	<140		<70
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg	<100				<5						<5					<5	<1000		<50		<5	<100		<50
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100				174.0						<100					<100	<100		<100		<100	14000.0		<100
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg	<100				<100						<100					<100	<100		<100		<100	<100		<100
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg	516.0				2450.0						348.0					<100	<100		16700.0		760.0	6040.0		9090.0
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100				901.0						1400.0					<100	<100		987.0		<100	995.0		524.0
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100		<50		<100				<50		<100					<100	<100		<100		<100	<100		<100
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg	<100				<100						<100					<100	<100		<100		<100	<100		<100
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100				<100						<100					<100	<100		<100		<100	<100		<100
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100				<100						<100					<100	<100		<100		<100	<100		<100
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg	<200				<10						<10					<10	<2000		<100		<10	<200		<100
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg	<100				<5						<5					<5	<1000		<50		<5	<100		<50
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg	216.0				<100						<100					<100	<100		<100		<100	<100		<100
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg	1480.0				158.0						<100					<100	<100		185.0		474.0	213.0		<100
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg	<200				<10						18.8					<10	<2000		<100		28.1	<200		<100
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg	<120				<6						<6					<6	<1200		<60		<6	<120		<60
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg	<200				<10						<10					<10	<2000		<100		<10	<200		<100
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg	<100				<100						<100					<100	<100		<100		<100	<100		<100
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg	<200				<10						<10					<10	<2000		<100		<10	<200		<100
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100				<100						<100					<100	<100		1160.0		<100	539.0		<100
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100				<100						<100					<100	<100		<100		<100	2280.0		<100
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg	<200				<10						<10					<10	<2000		<100		<10	<200		<100
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg	<160				<8						<8					<8	<1600		<80		<8	<160		<80
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg	<100				<100						<100					<100	<100		<100		<100	<100		<100
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg	<180	<9	<9	<90	<9				<9		<9	<180	281.0		<9	<9	<1800		<90	<9	<9	<180		<90
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg	<140				<7						<7					<7	<1400		<70		<7	<140		<70
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg													3.6			1.2								
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg	<140				<7						<7					<7	<1400		<70		<7	<140		<70
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg	<200				<10						<10					<10	<2000		<100		<10	<200		<100

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BH206	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212A	AEC18-LF-BH213
						Sample Top	6.40	0.10	12.10	17.60	7.50	11.80	4.80	7.50	9.40	0.30	10.80	13.00	4.70	0.50	3.20	6.80	8.80	1.20	10.70	17.00	6.40	9.40	20.00	13.70
						Sample Ref	8	1	7	9	4	6	3	4	5	1	5	6	3	1	5	7	9	2	7	10	5	6	1	7
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg		<120				<6						<6					<6	<1200		<60		<6	<120		<60
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<200				<10						<10					<10	<2000		<100		<10	<200		<100
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<140				18.6						19.1					<7	<1400		<70		20.5	<140		<70
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg		<200				<10						<10					<10	<2000		<100		<10	<200		<100
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg		<140				<7						<7					<7	<1400		<70		<7	<140		<70
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg		<160				<8						<8					<8	<1600		<80		<8	<160		<80
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg		<200				<10						<10					<10	<2000		<100		<10	<200		<100
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg		<100				<100						<100					<100	<100		<100		<100	<100		<100
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg		<200				<10						<10					<10	<2000		<100		<10	<200		<100
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg		<200				<10						<10					<10	<2000		<100		<10	<200		<100
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg		<180				<9						<9					<9	<1800		<90		<9	<180		<90
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<200				<10						<10					<10	<2000		<100		<10	<200		<100
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100						<100					<100	<100		<100		<100	1030.0		<100
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100						<100					<100	<100		4650.0		7460.0	103000.0		649.0
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100						1810.0					<100	<100		<100		439.0	746.0		22600.0
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg		516.0				<100						<100					<100	<100		<100		<100	<100		<100
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg		<400				<20						<20					<20	<4000		<200		<20	<400		<200
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg		<100				<100						<100					<100	<100		<100		<100	<100		<100
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100						<100					<100	<100		<100		<100	3150.0		<100
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100						<100					<100	<100		<100		<100	<100		<100
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100						<100					<100	<100		<100		<100	<100		<100
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg		804.0				<100						<100					<100	327.0		849.0		680.0	618.0		787.0
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg		<100				<100						<100					<100	<100		<100		<100	<100		<100
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<200	<10	<10	<100	<10				60.2		<10	<200	559.0		<10	<10	<2000		735.0	<10	40.8	920.0		<100
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100						<100					<100	<100		<100		<100	1260.0		<100
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg		<100				<10						<10					<10	<100		842.0		<100	520.0		<100
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100						<100					<100	<100		<100		<100	<100		<100
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg		236.0				<9						108.0					<9	<1800		1450.0		416.0	5150.0		144.0
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100						<100					<100	<100		<100		<100	648.0		<100
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg		<100				<5						18.2					<5	<1000		102.0		67.5	156.0		<50
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg		<100				<100						<100					<100	<100		<100		<100	<100		<100
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg		<200				<10						28.7					<10	<2000		1660.0		<10	448.0		<100
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<200	<10	<10	<100	<10				513.0		271.0	<200	3820.0		<10	<10	<2000		2220.0	<10	1720.0	3570.0		350.0
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<50						<50								<1000							<50
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<50						<50								<1000							<50
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<50						<50								<1000							<50
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg				<50						<50								<1000							<50
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<50						<50								<1000							<50
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<50						<50								<1000							<50
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg				<50						<50								<1000							<50
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		2410.0	303.0	198.0	161.0	<100				1410.0		180.0	1880.0	1100.0		30.0	128.0	204.0		285.0	35.5	190.0	47.6		<100
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		20800.0	1660.0	1090.0	785.0	806.0				4360.0		492.0	15100.0	4600.0		219.0	1150.0	1610.0		1140.0	124.0	1020.0	244.0		490.0
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		2600.0	495.0	416.0	521.0	<100				1360.0		120.0	5240.0	790.0		90.9	247.0	695.0		<100	45.3	313.0	64.0		129.0
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		2940.0	456.0	382.0	387.0	174.0				1300.0		120.0	3930.0	614.0		101.0	202.0	555.0		370.0	30.9	506.0	59.1		<100
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg		7750.0	940.0	771.0	741.0	205.0				2870.0		156.0	8460.0	1670.0		189.0	396.0	895.0		1040.0	70.3	451.0	93.0		<100
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg		26800.0	1850.0	1170.0	763.0	932.0				4920.0		564.0	16900.0	5400.0		243.0	4480.0	1810.0		1220.0	146.0	1420.0	284.0		497.0

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BH206	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212A	AEC18-LF-BH213
						Sample Top	6.40	0.10	12.10	17.60	7.50	11.80	4.80	7.50	9.40	0.30	10.80	13.00	4.70	0.50	3.20	6.80	8.80	1.20	10.70	17.00	6.40	9.40	20.00	13.70
						Sample Ref	8	1	7	9	4	6	3	4	5	1	5	6	3	1	5	7	9	2	7	10	5	6	1	7
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		2410.0	362.0	307.0	242.0	174.0				1120.0		156.0	3220.0	694.0		57.0	2180.0	1970.0		343.0	30.0	303.0	36.9		<100
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		204.0	80.1	35.2	71.7	<100				92.7		<100	274.0	<120		<12	<100	51.6		<100	<12	<100	<100		<100
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		4030.0	794.0	539.0	548.0	269.0				2070.0		216.0	6140.0	1650.0		116.0	2650.0	857.0		1170.0	52.8	421.0	142.0		138.0
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg		7390.0	745.0	541.0	540.0	253.0				2090.0		192.0	6270.0	1130.0		115.0	2330.0	2420.0		993.0	50.0	480.0	89.7		<100
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg		372.0	105.0	87.7	105.0	<100				284.0		<100	964.0	<230		<23	52.1	145.0		<100	<23	<100	<100		<100
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg		9090.0	734.0	513.0	508.0	332.0				2110.0		228.0	6510.0	1360.0		103.0	413.0	964.0		296.0	49.6	462.0	82.6		166.0
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		2750.0	221.0	177.0	15.4	521.0				1240.0		192.0	558.0	588.0		18.3	<100	<100		399.0	26.7	605.0	48.0		171.0
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg		10400.0	966.0	662.0	286.0	869.0				6020.0		684.0	6400.0	4810.0		112.0	490.0	684.0		1770.0	90.9	1330.0	387.0		704.0
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		2480.0	185.0	162.0	47.3	316.0				1320.0		156.0	542.0	672.0		12.5	<100	58.5		479.0	12.9	432.0	61.5		156.0
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg		588.0	156.0	140.0	62.8	<100				1290.0		<100	140.0	177.0		13.1	<100	<2600		<130	<9	370.0	2120.0		<130
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.0	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.1	<0.015	<0.015	<0.075	<0.075	0.0	<0.015	<0.015	<0.015	<0.015		<0.015	<0.075		<0.015	0.1
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.0	<0.01	0.0	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.1	0.0	<0.01	0.0	<0.01	<0.01		<0.01	<0.05		<0.01	0.0
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg				<0.02						<0.02								<0.02							0.0
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg		<200			<100	<10						<10	<200	<200			<10	<2000		<100		<10	<200		<100
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<10	<10						<10	<10	16.5				<10				<10			
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<10	<10						<10	<10	27.9				<10				12.2			
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg		1600.0			9010.0	179.0						1200.0	533.0	1810.0				18.2				3530.0			
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg		2270.0			12200.0	199.0						1670.0	624.0	1000.0				16.9				2200.0			
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg		61600.0			6220.0	9470.0						10500.0	10600.0	12800.0				4530.0				197000.0			
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		228000.0			46700.0	57000.0						42900.0	98500.0	236000.0				25600.0				432000.0			
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg		663000.0			225000.0	530000.0						184000.0	429000.0	2390000.0				123000.0				771000.0			
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg		258000.0			74200.0	45700.0						51100.0	162000.0	451000.0				29900.0				194000.0			
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg		124.0			25.2	<10						25.2	21.2	47.0				<10				43.2			
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg		1910.0			216.0	94.8						238.0	94.4	638.0				39.9				709.0			
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg		2410.0			13500.0	269.0						1800.0	799.0	2710.0				26.6				5300.0			
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg		3410.0			18400.0	299.0						2510.0	936.0	1500.0				25.4				3300.0			
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg		69600.0			30400.0	18300.0						24600.0	7100.0	59700.0				3780.0				756000.0			
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		251000.0			58100.0	117000.0						58700.0	39000.0	628000.0				29700.0				1750000.0			
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		1140000.0			344000.0	628000.0						325000.0	252000.0	3170000.0				240000.0				3490000.0			
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		277000.0			156000.0	207000.0						69100.0	83600.0	404000.0				65000.0				510000.0			
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg														<0.3			<0.3								
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg														1.5			0.2								
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100						<100					<100	<100		<100		<100	<100		<100
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100						<100					<100	<100		<100		<100	<100		<100
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100						<100					<100	<100		<100		<100	<100		<100
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100				<100						<100					<100	<100		<100		<100	<100		<100

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Hole Ref	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH221	AEC18-LF-BH221
					Sample Top	19.00	4.70	0.40	14.20	8.20	1.60	4.40	5.90	1.80	10.90	13.20	5.10	7.00	1.00	5.20	9.50	10.50	16.00	4.50	0.10	11.10	5.60	0.30	3.80
					Sample Ref	9	4	1	7	5	3	6	7	3	8	10			1	3	5	7	9	4	1	8	4	1	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																							
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																							
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg																							
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																							
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																							
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg																							
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg																							
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg	1.0	<1	<1	12.4	18.8	<1	<1	1.7	<1		<0.5	<1	<1	<1	6.7	6.0	9.4	1.5	2.1	<1	<1	<1	<1	1.8
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg	24.8	161.0	192.0	113.0	104.0	69.2	347.0	544.0	242.0		2170.0	393.0	54.7	34.7	610.0	298.0	134.0	1470.0	65.6	30.6	3.1	329.0	89.0	425.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.14	<0.14	<0.14	1.1	0.2	<0.14	<1.4	<1.4	<0.14		<0.0001	1.6	<0.14	<0.14	<1.4	0.2	1.5	<0.14	<0.14	<0.14	<0.14	0.3	<0.14	<0.14
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg	57.0	12.9	25.3	14.3	29.8	22.1	446.0	283.0	23.3		0.1	30.7	28.1	27.4	73.9	142.0	54.6	37.7	63.5	54.0	13.6	44.8	26.9	45.1
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.6	<0.6	5.6	3.3	1.7	4.0	14.4	10.6	3.1		0.2	3.2	<0.6	<0.6	<6	43.1	<0.6	7.6	<0.6	<0.6	<0.6	1.4	1.3	10.4
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg	15.7	7.4	14.8	6.5	11.5	9.5	10.7	43.5	11.9		0.0	21.8	15.1	11.2	17.8	32.9	17.8	18.0	11.2	9.4	2.8	21.4	19.0	28.5
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg	3.2	0.5	0.8	0.5	0.8	0.7	0.2	2.3	0.9		<0.001	1.4	1.6	1.6	0.6	2.6	0.8	2.1	0.8	1.6	0.9	0.9	1.9	<0.01
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg	3.3	4.1	1.0	10.2	7.5	1.4	2.4	8.4	2.9		9.0	3.9	8.3	<1	3.8	2.9	13.4	12.9	3.9	<1	5.2	3.3	<1	59.5
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg	0.1	2.9	0.5	0.8	1.2	0.1	1.0	2.5	0.5		0.0	1.0	0.4	<0.02	<0.2	1.8	1.9	2.1	0.1	0.0	0.1	0.3	<0.02	2.3
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg	35.6	5.9	24.0	30.5	22.7	19.5	93.1	71.6	13.1		0.1	16.5	22.4	25.5	360.0	84.2	22.5	28.1	28.8	29.7	10.6	19.7	25.4	<0.9
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg	35.5	24.9	62.6	170.0	79.8	26.4	39.6	165.0	73.8		0.0	121.0	41.3	20.6	103.0	587.0	358.0	422.0	35.8	28.6	8.4	106.0	30.1	191.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	71.9	18.0	36.3	10.8	28.5	26.0	16.0	43.0	29.9		<0.01	38.9	39.1	44.4	225.0	34.3	20.0	46.9	25.1	32.2	18.1	40.5	47.2	21.6
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg	107.0	107.0	195.0	201.0	364.0	121.0	138.0	401.0	234.0		0.0	348.0	137.0	72.8	15600.0	340.0	810.0	935.0	139.0	76.9	32.3	239.0	94.4	4270.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg	<1	<1	<1	<1	<1	<1	<10	<10	<1		<0.01	<1	1.3	<1	<10	2.4	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	<0.035	3.5	<0.035	0.2	<0.035	<0.035	0.3	<0.035	<0.035		<0.035	<0.035	<0.035	<0.035	3.4	0.1	0.1	<0.035	<0.035	<0.035	<0.035	0.0	<0.035	<0.035
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg																							
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																							

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	Sample Top	Sample Ref	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH221	AEC18-LF-BH221
						Hole Ref	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH221	AEC18-LF-BH221
						Sample Top	19.00	4.70	0.40	14.20	8.20	1.60	4.40	5.90	1.80	10.90	13.20	5.10	7.00	1.00	5.20	9.50	10.50	16.00	4.50	0.10	11.10	5.60	0.30	3.80
						Sample Ref	9	4	1	7	5	3	6	7	3	8	10			1	3	5	7	9	4	1	8	4	1	4
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	**3860**	**Commercial**	**mg/kg**	**0**	mg/kg																									
n-Butylbenzene	**26.598**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4-Dimethylphenol	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
3/4 Methylphenol	**46000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,4-Dichlorobenzene	**4220**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,2-Dichloroethane	**0.671**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,3,5-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Bromobenzene	**91.5**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chlorobenzene	**55.6**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Phenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.01	0.0	<0.01	0.0	<0.05	<0.01	0.0	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	3.2	<0.01	0.0	<0.05	<0.01	<0.01	<0.01	0.0	<0.01	<0.01
Bis(2-chloroethoxy)methane	**0.956**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Bis(2-ethylhexyl)phthalate	**16600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Di-N-Octyl Phthalate	**20000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Hexachlorobenzene (HCB)	**28.9**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trichlorobenzene	**215**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4-Dichlorophenol	**977**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2,4-Dinitrotoluene	**928**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Dibromochloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Tetrachloroethene	**18.6**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Dimethylphthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Dibenzofuran	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Sec-Butylbenzene	**26.6**	**Commercial**	**mg/kg**	**0**	mg/kg																									
cis-1,2-Dichloroethene	**13.6**	**Commercial**	**mg/kg**	**0**	mg/kg																									
trans-1,2-Dichloroethene	**20.7**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Methyl tert-butyl ether (MTBE)	**7480**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,3-Dichlorobenzene	**29.9**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Tetrachloromethane (Carbon Tetra Chloride)	**2.87**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,3,4,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Chloro-3-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2,6-Dinitrotoluene	**468**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,1,1,2-Tetrachloroethane	**108**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chloroform	**99.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,1,1-Trichloroethane	**660**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chloroethene	**0.0594**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Tribromomethane	**714**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Bromodichloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,1-Dichloroethane	**263**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,1-Dichloroethene	**24.3**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,2-Dichloropropane	**3.13**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,1,2-Trichloroethane	**89.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Trichloroethene	**1.23**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Diethylphthalate	**89300**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Di-N-Butyl Phthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Butylbenzylphthalate	**254000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Carbazole	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,3 Trichlorobenzene	**102**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Hexachlorobutadiene (HCBD)	**30.7**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Pentachlorophenol (PCP)	**113**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2,4,6-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2-Methylnaphthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chloronaphthalene	**370**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,3,5,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH221	AEC18-LF-BH221
					Hole Ref																								
					Sample Top	19.00	4.70	0.40	14.20	8.20	1.60	4.40	5.90	1.80	10.90	13.20	5.10	7.00	1.00	5.20	9.50	10.50	16.00	4.50	0.10	11.10	5.60	0.30	3.80
					Sample Ref	9	4	1	7	5	3	6	7	3	8	10			1	3	5	7	9	4	1	8	4	1	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg								<0.01			<0.01							<0.01						
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg					<0.6			<0.6			<0.3						<1.2	<0.6						
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg					<1			<1			<0.5													
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg					1.3			4.6			<0.5													
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<200		<100	<100		<100	<100		<100	<100					<100								
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg		459.0		<40	<40		66400.0	<80	<4	<80	5.4	<4	<4		<80	<80	<80	47.0			<4	<4		<4
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<100	<100		<200	<200		<200	<10					<200								
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg		80.7		<100	<100		1370.0	<200		<200	<10					<200								
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg		23.9		<110	<110		<220	<220		<220	<11					<220								
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<200		<100	<100		268.0	<100		<100	<100					<100								
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		900.0		<100	<100		<100	<100		<100	<100					<100								
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg		<200		<100	<100		<100	<100		<100	<100					<100								
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg		<5		<50	<50		<100	<100		<100	<5					<100								
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg		290.0		<80	<80		17600.0	<160		1170.0	237.0					<160								
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<100	<100		<200	<200		<200	<10					<200								
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg		406.0		<70	<70		216.0	<140	<7	<140	<7	<7	<7		<140	<140	<140	<7			<7	<7		<7
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg		6.9		<50	<50		<100	<100		<100	<5					<100								
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<200		<100	<100		<100	<100		<100	<100					<100								
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg		<200		<100	<100		<100	<100		<100	<100					<100								
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		792.0		1140.0	<100		1630.0	<100		<100	<100					<100								
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<200		<100	<100		<100	<100		<100	<100					151.0								
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg		<200		<100	<100		<100	<100		<100	<100					<100		<50						
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg		<20		<100	<100		<100	<100		<100	<100					<100								
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<200		<100	<100		<100	<100		<100	<100					<100								
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<200		<100	<100		<100	<100		<100	<100					<100								
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<100	<100		<200	<200		<200	<10					<200								
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg		<5		<50	<50		<100	<100		<100	<5					<100								
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<200		<100	<100		<100	<100		<100	<100					<100								
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg		588.0		189.0	<100		590.0	<100		<100	<100					<100								
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg		27.7		<100	<100		578.0	<200		<200	33.6					<200								
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg		<6		<60	<60		<120	<120		<120	<6					<120								
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<100	<100		<200	<200		<200	<10					<200								
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg		<200		<100	<100		<100	<100		<100	<100					<100								
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<100	<100		<200	<200		<200	<10					<200								
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<200		<100	<100		<100	<100		<100	<100					<100								
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<200		<100	<100		<100	<100		<100	<100					<100								
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<100	<100		<200	<200		<200	<10					<200								
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg		<8		<80	<80		<160	<160		<160	<8					<160								
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg		<200		<100	<100		<100	<100		<100	<100					<100								
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg		<9		<90	<90		<180	<180	<9	<180	<9	<9	<9		<180	<180	<180	<9			<9	<9		<9
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg		<7		<70	<70		<140	<140		<140	<7					<140								
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg											1.1													
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg		<7		<70	<70		<140	<140		<140	<7					<140								
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<100	<100		<200	<200		<200	<10					<200								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH221	AEC18-LF-BH221
						Sample Top	19.00	4.70	0.40	14.20	8.20	1.60	4.40	5.90	1.80	10.90	13.20	5.10	7.00	1.00	5.20	9.50	10.50	16.00	4.50	0.10	11.10	5.60	0.30	3.80
						Sample Ref	9	4	1	7	5	3	6	7	3	8	10			1	3	5	7	9	4	1	8	4	1	4
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg			<6		<60	<60		<120	<120		<120	<6					<120								
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<100	222.0		<200	<200		<200	<10					<200								
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg			12.9		<70	<70		279.0	<140		<140	32.9					<140								
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<100	<100		<200	<200		<200	<10					<200								
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg			<7		<70	<70		<140	<140		<140	<7					<140								
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg			<8		<80	<80		<160	<160		<160	<8					<160								
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<100	<100		<200	<200		<200	<10					<200								
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<100	<100		<100	<100		<100	<100					<100								
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<100	<100		<200	<200		<200	<10					<200								
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<100	<100		<200	<200		<200	<10					<200								
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg			<9		<90	<90		<180	<180		<180	<9					<180								
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<100	<100		<200	<200		<200	<10					<200								
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<200		<100	<100		<100	<100		<100	<100					<100								
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<200		184.0	<100		1230.0	<100		1230.0	158.0					2350.0								
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			1080.0		253.0	<100		965.0	<100		<100	<100					<100								
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg			636.0		<100	<100		228.0	<100		<100	<100					<100								
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg			<20		<200	<200		<400	<400		<400	<20					<400								
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg			<20		<100	<100		<100	<100		<100	<100					<100								
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<200		<100	<100		<100	<100		<100	<100					<100								
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<200		<100	<100		<100	<100		<100	<100					<100								
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<200		<100	<100		<100	<100		<100	<100					<100								
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg			420.0		306.0	<100		1680.0	<100		<100	<100					<100								
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<100	<100		134.0	<100		<100	<100					<100								
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg			264.0		<100	<100		36400.0	<200	<10	<200	31.3	<10	<10		<200	<200	<200	29.2			<10	<10		<10
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<200		<100	<100		<100	<100		<100	<100					<100								
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<100	<100		<100	<100		<100	<10					<100								
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<200		<100	<100		<100	<100		<100	<100					<100								
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg			1040.0		<90	<90		35500.0	<180		1970.0	224.0					<180								
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<200		<100	<100		<100	<100		<100	<100					<100								
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg			44.7		<50	<50		960.0	<100		<100	9.1					<100								
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<100	<100		<100	<100		<100	<100					<100								
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg			79.3		<100	<100		909.0	<200		<200	55.5					<200								
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg			1280.0		175.0	437.0		254000.0	<200	<10	<200	27.3	<10	<10		596.0	<200	<200	108.0			<10	<10		<10
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg									<500			<500							<50						
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg									<500			<500							<50						
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg									<500			<500							<50						
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg									<500			<500							<50						
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg									<500			<500							<50						
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg									<500			<500							<50						
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg									<500			<500							<50						
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			2000.0		<160	<100		<100	236.0	<80	<160	304.0	475.0	2070.0		<16	116.0	610.0	980.0			<16	147.0		<80
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg			8890.0		642.0	649.0		295.0	875.0	851.0	832.0	1830.0	1990.0	7050.0		134.0	1290.0	877.0	6050.0			<15	919.0		437.0
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg			2020.0		<240	<240		<100	557.0	367.0	320.0	700.0	691.0	1560.0		85.5	638.0	<120	1590.0			<24	474.0		215.0
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg			2320.0		<180	<180		<100	548.0	399.0	<180	560.0	553.0	1330.0		84.8	754.0	<90	1800.0			<18	487.0		187.0
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg			2570.0		368.0	339.0		<100	1000.0	796.0	422.0	964.0	1220.0	3040.0		170.0	928.0	225.0	3270.0			<15	845.0		338.0
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg			10600.0		785.0	770.0		295.0	1150.0	886.0	998.0	2220.0	2460.0	8410.0		170.0	1030.0	1020.0	6740.0			<17	1050.0		490.0

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH221	AEC18-LF-BH221
						Sample Top	19.00	4.70	0.40	14.20	8.20	1.60	4.40	5.90	1.80	10.90	13.20	5.10	7.00	1.00	5.20	9.50	10.50	16.00	4.50	0.10	11.10	5.60	0.30	3.80
						Sample Ref	9	4	1	7	5	3	6	7	3	8	10			1	3	5	7	9	4	1	8	4	1	4
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		1810.0		<140	<140		<100	408.0	284.0	<140	442.0	536.0	1180.0		57.6	557.0	<70	1270.0			<14	313.0		108.0
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<200		<100	<100		<100	<100	<60	<100	<100	158.0	53.8		<12	<100	<60	196.0			<12	96.5		<60
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		2740.0		1110.0	427.0		172.0	534.0	438.0	378.0	965.0	956.0	2400.0		114.0	661.0	265.0	2260.0			<10	526.0		271.0
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg		3140.0		281.0	481.0		<100	522.0	540.0	303.0	1030.0	1150.0	2720.0		89.4	650.0	193.0	2520.0			<15	623.0		194.0
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg		528.0		<230	<100		<100	<100	<115	<100	<100	192.0	357.0		<23	162.0	<115	315.0			<23	105.0		<115
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg		3890.0		246.0	417.0		<100	393.0	464.0	335.0	1100.0	1120.0	3100.0		96.8	557.0	243.0	2250.0			<14	531.0		264.0
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		1050.0		614.0	<100		1430.0	200.0	<40	<100	113.0	54.7	1310.0		<8	<100	2980.0	273.0			<8	22.8		<40
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg		6910.0		875.0	<100		725.0	1110.0	112.0	545.0	1020.0	1920.0	8030.0		78.0	476.0	3530.0	4670.0			<15	483.0		252.0
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		1380.0		294.0	<100		421.0	210.0	<50	<100	123.0	159.0	1470.0		<10	<100	1660.0	470.0			<10	45.0		<50
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg		428.0		<130	<100		25300.0	<260	<45	<260	57.1	32.8	39.0		31.9	<100	974.0	161.0			<9	36.5		171.0
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.2	<0.015	0.1	<0.075	<0.015	0.1	<0.015	<0.015		0.0	<0.015	<0.015	<0.015	0.2	0.0	0.1	<0.075	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg	0.0	3.3	<0.01	0.0	<0.05	<0.01	0.2	<0.01	<0.01		0.0	<0.01	0.0	<0.01	<0.01	0.1	<0.01	<0.05	0.0	<0.01	<0.01	0.0	<0.01	<0.01
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg								<0.02			<0.02							<0.02						
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<100	<100		<200	<200		<200	<10					<200	<200					<10		
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg				<10				<10		<10	<10						23.4					<10		
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg				12.2				<10		<10	<10						<10					<10		
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg				2130.0				1700.0		7580.0	3280.0						5660.0					325.0		
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg				2670.0				3350.0		21100.0	8130.0						6670.0					357.0		
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg				10600.0				20200.0		17600.0	11200.0						44900.0					3650.0		
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg				121000.0				313000.0		271000.0	85500.0						332000.0					47000.0		
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg				345000.0				1170000.0		1220000.0	310000.0						2060000.0					159000.0		
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg				64400.0				157000.0		439000.0	81100.0						572000.0					46400.0		
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg				33.8				49.8		34.6	27.7						164.0					12.3		
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg				267.0				131.0		98.6	106.0						1330.0					107.0		
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg				3200.0				2550.0		11400.0	4920.0						8490.0					486.0		
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg				4000.0				5020.0		31600.0	12200.0						10000.0					535.0		
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg				23900.0				35600.0		63100.0	15000.0						144000.0					<100		
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				135000.0				555000.0		528000.0	103000.0						1150000.0					11600.0		
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				602000.0				2590000.0		2770000.0	525000.0						5530000.0					92300.0		
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				87000.0				345000.0		985000.0	126000.0						2000000.0					22800.0		
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg											<0.3													
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg											1.1													
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg		<200		<100	<100		<100	<100		<100	<100					<100									
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg		<200		<100	<100		<100	<100		<100	<100					<100									
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<200		<100	<100		<100	<100		<100	<100					<100									
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg		<200		<100	<100		<100	<100		<100	<100					<100									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BH221	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH224	AEC18-LF-BH224	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH228
						Sample Top	6.90	0.16	3.55	4.10	7.40	0.70	1.70	10.10	5.30	7.60	0.30	4.60	0.70	13.00	3.10	7.90	9.50	1.20	10.00	5.50	1.80	3.80	5.00	0.20
						Sample Ref	7	1	6	7	9	2	3	7	5		1	4	3	11	4	7	8	2	9	6	2	4	5	1
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg																								
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg																								
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg																								
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg		9.1	<1	1.8	6.3	46.9	<1	<1	<1	2.2	<1	<1	18.8	24.3	<1	1.4	2.3	<1	<1	<1	7.5	<0.5	<1	5.1	<1
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		103.0	76.9	6680.0	201.0	706.0	86.7	58.6	95.4	163.0	1270.0	15.0	752.0	457.0	0.8	352.0	56.8	151.0	43.2	22.1	61.4	<0.002	3.7	821.0	50.9
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.14	<0.14	0.6	<0.14	5.6	<0.14	<0.14	<0.14	15.0	<0.14	<0.14	<1.4	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.0001	<0.14	<1.4	<0.14
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		65.1	25.9	125.0	75.0	48.8	18.4	25.7	72.7	43.8	112.0	39.9	164.0	803.0	2.1	35.0	29.8	178.0	11.7	38.4	59.7	0.2	5.5	98.5	21.0
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg		2.3	3.9	29.8	4.9	7.6	0.7	0.9	2.4	1.7	32.2	<0.6	19.0	53.8	<0.6	11.3	4.3	5.6	<0.6	<0.6	2.4	4.6	<0.6	28.3	<0.6
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		59.7	14.4	20.1	25.0	36.3	7.8	15.6	27.4	18.4	27.4	10.9	22.6	18.2	<0.6	14.0	8.9	31.3	8.0	30.4	6.9	0.1	1.7	77.9	12.8
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		2.9	1.2	0.7	5.2	2.0	0.7	1.0	0.6	1.8	0.2	2.2	1.4	1.2	0.1	0.9	0.6	1.6	0.3	1.8	0.1	<0.001	0.2	10.8	0.8
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		16.3	1.9	4.8	7.7	30.2	<1	1.9	2.3	5.6	1.7	<1	4.3	6.6	<1	4.7	3.2	7.5	<1	<1	3.1	23.0	13.6	62.2	1.4
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.02	0.5	2.0	1.9	6.0	0.4	0.5	0.7	2.0	2.3	<0.02	0.9	4.4	0.1	9.0	0.1	<0.02	0.2	<0.02	0.8	0.0	0.1	1.0	0.1
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		135.0	21.6	74.9	30.6	18.6	15.7	12.5	13.9	17.6	30.4	22.4	54.3	335.0	1.9	5.9	44.4	238.0	16.6	79.4	26.8	0.1	3.5	18.4	19.6
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		147.0	69.4	459.0	208.0	193.0	14.9	21.1	806.0	435.0	907.0	20.8	252.0	313.0	2.3	87.1	87.4	241.0	27.6	32.5	1060.0	0.0	4.9	476.0	50.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		60.0	39.4	28.8	66.6	23.9	32.7	31.6	35.1	28.7	32.6	52.8	27.7	41.9	4.1	24.2	18.6	23.8	11.4	78.2	4.6	0.1	6.4	63.5	53.5
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		340.0	182.0	517.0	394.0	3350.0	59.7	89.0	286.0	901.0	911.0	84.2	678.0	1300.0	12.5	284.0	116.0	242.0	86.1	69.2	124.0	0.0	23.5	1010.0	83.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	1.3	2.1	<10	<1	<1	1.7	<1	<1	<1	<10	1.9	<1	<1	<1	<1	<1	<1	<1	<0.01	<1	<10	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.035	<0.035	0.1	<0.035	<0.035	<0.035	<0.035	0.1	<0.035	0.1	<0.035	0.3	34.8	<0.035		95.5	0.2	1.8	<0.035	0.4	<0.035	<0.035	<0.035	<0.035
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	Sample Top	Sample Ref	Sample Type
						AEC18-LF-BH221	6.90	7	ES
						AEC18-LF-BH222	0.16	1	ES
						AEC18-LF-BH222	3.55	6	ES
						AEC18-LF-BH222	4.10	7	ES
						AEC18-LF-BH222	7.40	9	ES
						AEC18-LF-BH223	0.70	2	ES
						AEC18-LF-BH223	1.70	3	ES
						AEC18-LF-BH223	10.10	7	ES
						AEC18-LF-BH223	5.30	5	ES
						AEC18-LF-BH223	7.60		ES
						AEC18-LF-BH224	0.30	1	ES
						AEC18-LF-BH224	4.60	4	ES
						AEC18-LF-BH225	0.70	3	ES
						AEC18-LF-BH225	13.00	11	ES
						AEC18-LF-BH225	3.10	4	ES
						AEC18-LF-BH225	7.90	7	ES
						AEC18-LF-BH225	9.50	8	ES
						AEC18-LF-BH226	1.20	2	ES
						AEC18-LF-BH226	10.00	9	ES
						AEC18-LF-BH226	5.50	6	ES
						AEC18-LF-BH227	1.80	2	ES
						AEC18-LF-BH227	3.80	4	ES
						AEC18-LF-BH227	5.00	5	ES
						AEC18-LF-BH228	0.20	1	ES
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg				
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg				
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg				
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg				
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg				
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg				
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg				
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg				
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg				
Phenol	7600	POS PARK	mg/kg	0	mg/kg	<0.01	<0.01	<0.01	<0.01
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg				
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg				
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg				
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg				
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg				
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg				
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg				
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg				
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg				
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg				
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg				
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg				
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg				
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg				
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg				
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg				
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg				
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg				
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg				
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg				
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg				
Chloroform	99.1	Commercial	mg/kg	0	mg/kg				
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg				
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg				
Tribromomethane	714	Commercial	mg/kg	0	mg/kg				
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg				
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg				
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg				
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg				
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg				
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg				
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg				
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg				
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg				
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg				
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg				
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg				
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg				
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg				
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg				
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg				
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg				
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg				

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	Sample Top	Sample Ref	Sample Type
						AEC18-LF-BH225	7.90	7	ES
						AEC18-LF-BH225	9.50	8	ES
						AEC18-LF-BH226	1.20	2	ES
						AEC18-LF-BH226	10.00	9	ES
						AEC18-LF-BH226	5.50	6	ES
						AEC18-LF-BH227	1.80	2	ES
						AEC18-LF-BH227	3.80	4	ES
						AEC18-LF-BH227	5.00	5	ES
						AEC18-LF-BH228	0.20	1	ES
Phenol	7600	POS PARK	mg/kg	0	mg/kg	0.0	<0.01	<0.01	<0.01
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg				
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg				
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg				
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg				
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg				
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg				
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg				
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg				
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg				
Phenol	7600	POS PARK	mg/kg	0	mg/kg	0.1	<0.05	<0.01		6.4	0.1	0.1	<0.01	<0.01	<0.01	<0.01	0.0	<0.01
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg				
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg				
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg				
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg				
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg				
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg				
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg				
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg				
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg				
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg				
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg				
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg				
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg				
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg				
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg				
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg				
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg				
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg				
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg				
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg				
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg				
Chloroform	99.1	Commercial	mg/kg	0	mg/kg				
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg				
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg				
Tribromomethane	714	Commercial	mg/kg	0	mg/kg				
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg				
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg				
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg				
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg				
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg				
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg				
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg				
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg				
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg				
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg				
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg				
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg				
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg				
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg				
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg				
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg				
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg				
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg				

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Hole Ref	AEC18-LF-BH221	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH224	AEC18-LF-BH224	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH228
					Sample Top	6.90	0.16	3.55	4.10	7.40	0.70	1.70	10.10	5.30	7.60	0.30	4.60	0.70	13.00	3.10	7.90	9.50	1.20	10.00	5.50	1.80	3.80	5.00	0.20
					Sample Ref	7	1	6	7	9	2	3	7	5		1	4	3	11	4	7	8	2	9	6	2	4	5	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.01				<0.01																			
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg					<0.6										<0.6						<0.3			
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg												<1									<0.5			
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg												53.9									<0.5			
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			<500		<100	<500				<100	<100		<200	
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg	<40	<4	<80	<80	<80	18.9	10.9	4.7	<80	<80		<80	1770.0		250.0	<80	7.4		<4	1180.0	<80	<4	<80	
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<200	<10			<200	<200			<200		<200	<200				<200	<200		<200	
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<200	<10			<200	<200			<200		<200	<200				531.0	<200		<200	
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg			<220		<220	<11			<220	<220			<220		<220	<220				<220	<220		<220	
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			15400.0		<100	17200.0				<100	<100		<200	
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			3170.0		978.0	11700.0				<100	<100		<200	
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<100			<500		1240.0	<100				<100	<100		<100	
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100	<5			<100	<100			<100		<100	<100				<100	<100		<100	
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg			<160		<160	80.9			<160	<160			2570.0		<160	254.0				3390.0	<160		<160	
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<200	<10			<200	<200			<200		<200	<200				<200	<200		<200	
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg	<70	<7	<140	<140	<140	<7	<7	<7	<140	223.0		<140	2340.0		<140	<140	10.7		<7	<140	<140	<7	<140	
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100	<5			<100	<100			<100		<100	<100				<100	<100		<100	
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			<500		293.0	2930.0				<100	<100		<200	
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg			<100		<100	<100			<100	<200			<500		<100	<500				<100	<100		<200	
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg			13900.0		<100	<100			<100	258.0			8820.0		5710.0	<500				20100.0	<100		<200	
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			<500		962.0	<500				6000.0	<100		<200	
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg	<50		<100		<100	<100			<100	<200			<500		<100	<500				<100	<100		<200	
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			<400		<100	<400				<100	<100		<200	
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			<500		<100	<500				<100	<100		<200	
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			<500		<100	<500				<100	<100		<200	
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<200	<10			<200	<200			<200		<200	<200				<200	<200		<200	
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100	<5			<100	<100			<100		<100	<100				<100	<100		<100	
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	3860.0			<500		<100	<500				<100	<100		<200	
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg			<100		<100	<100			<100	<200			2690.0		93800.0	3640.0				320.0	<100		<200	
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<200	<10			<200	<200			<200		<200	<200				373.0	<200		<200	
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg			<120		<120	<6			<120	<120			<120		<120	<120				<120	<120		<120	
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<200	<10			<200	<200			<200		<200	<200				<200	<200		<200	
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<160			<160		<100	<160				<100	<100		<160	
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<200	<10			<200	<200			<200		<200	<200				<200	<200		<200	
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			<500		<100	<500				<100	<100		<200	
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			<500		<100	<500				<100	<100		<200	
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<200	<10			<200	<200			<200		<200	<200				<200	<200		<200	
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg			<160		<160	<8			<160	<160			<160		<160	<160				<160	<160		<160	
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			<500		<100	<500				<100	<100		<200	
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg	<90	<9	<180	<180	<180	<9	<9	<9	<180	<180		<180	<180		<180	<180	13.8		<9	<180	<180	<9	<180	
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg			<140		<140	<7			<140	<140			<140		<140	<140				<140	<140		<140	
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg																					1.6			
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg			<140		<140	<7			<140	<140			<140		<140	<140				<140	<140		<140	
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<200	<10			<200	<200			<200		<200	<200				<200	<200		<200	

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BH221	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH224	AEC18-LF-BH224	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH228
						Sample Top	6.90	0.16	3.55	4.10	7.40	0.70	1.70	10.10	5.30	7.60	0.30	4.60	0.70	13.00	3.10	7.90	9.50	1.20	10.00	5.50	1.80	3.80	5.00	0.20
						Sample Ref	7	1	6	7	9	2	3	7	5		1	4	3	11	4	7	8	2	9	6	2	4	5	1
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg			<120		<120	<6			<120	<120			<120		<120	<120				<120	<120		<120	
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<200	<10			<200	<200			<200		<200	<200				<200	<200		<200	
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<140		<140	<7			<140	<140			<140		<140	<140				<140	<140		<140	
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<200	<10			<200	<200			<200		<200	<200				<200	<200		<200	
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg			<140		<140	<7			<140	<140			<140		<140	<140				<140	<140		<140	
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg			<160		<160	<8			<160	<160			<160		<160	<160				<160	<160		<160	
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<200	<10			<200	<200			<200		<200	<200				<200	<200		<200	
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			<500		<100	<500				<100	<100		<200	
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<200	<10			<200	<200			<200		<200	<200				<200	<200		<200	
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<200	<10			<200	<200			<200		<200	<200				<200	<200		<200	
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg			<180		<180	<9			<180	<180			<180		<180	<180				<180	<180		<180	
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<200	<10			<200	<200			<200		<200	<200				<200	<200		<200	
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			<500		375.0	<500				186.0	<100		<200	
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	1070.0			31900.0		4240.0	<500				3490.0	<100		<200	
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	677.0			130.0	406.0			97700.0		831.0	<500				784.0	<100		<200	
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg			<100		<100	<100			<100	<200			<500		53700.0	1290.0				113.0	<100		<200	
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg			<400		<400	<20			<400	<400			<400		<400	<400				<400	<400		<400	
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			<400		<100	<400				<100	<100		<200	
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			<500		<100	<500				<100	<100		<200	
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			<500		<100	<500				<100	<100		<200	
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			893.0		<100	<500				<100	<100		<200	
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg			<100		<100	<100			<100	<200			26000.0		24700.0	13000.0				3030.0	152.0		<200	
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			4980.0		4760.0	1390.0				<100	<100		<200	
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<100	<200	<200	<200	16.9	<10	<10	<200	<200		<200	2230.0		<200	<200	<10		<10	359.0	<200	<10	<200	
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			<500		<100	3150.0				<100	<100		<200	
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100	<10			<100	<200			768.0		<100	<200				<100	<100		<200	
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			<500		<100	<500				<100	<100		<200	
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg			<180		<180	345.0			<180	<180			5610.0		416.0	681.0				6850.0	<180		<180	
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			<500		<100	<500				<100	<100		<200	
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100	<5			<100	<100			176.0		<100	<100				502.0	<100		<100	
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100	<100			<100	<200			<500		359.0	<500				<100	<100		<200	
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200		<200	<10			<200	<200			<200		<200	<200				598.0	<200		<200	
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<100	<200	<200	<200	66.7	37.4	<10	<200	<200		<200	6000.0		431.0	313.0	16.0		<10	7170.0	<200	<10	<200	
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<50				<1000																		
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<50				<1000																		
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<50				<1000																		
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		<50				<1000																		
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<50				<1000																		
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<50				<1000																		
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		<50				<1000																		
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<16	379.0	<100	161.0	224.0	<100	84.5	106.0	<100	<200		122.0	2320.0		96600.0	11000.0	241.0		<16	<100	<100	<16	475.0	
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		29.5	2670.0	135.0	2970.0	5340.0	644.0	572.0	389.0	169.0	1240.0		586.0	3600.0		16200.0	3450.0	792.0		<15	783.0	382.0	<15	3560.0	
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		<24	1130.0	<100	1490.0	752.0	244.0	168.0	106.0	<100	529.0		173.0	688.0		651.0	1460.0	156.0		<24	<120	104.0	<24	2680.0	
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		<18	1090.0	<100	1180.0	858.0	<180	144.0	85.9	<100	499.0		135.0	355.0		590.0	732.0	141.0		<18	120.0	121.0	<18	2960.0	
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg		32.1	1650.0	62.7	2020.0	3700.0	255.0	362.0	242.0	<100	554.0		166.0	1310.0		2050.0	1250.0	314.0		<15	194.0	257.0	<15	6150.0	
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg		33.2	3030.0	168.0	3020.0	6590.0	1400.0	635.0	444.0	182.0	1370.0		614.0	3860.0		112000.0	3590.0	1080.0		<17	876.0	442.0	<17	4450.0	

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BH221	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH224	AEC18-LF-BH224	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH228
						Sample Top	6.90	0.16	3.55	4.10	7.40	0.70	1.70	10.10	5.30	7.60	0.30	4.60	0.70	13.00	3.10	7.90	9.50	1.20	10.00	5.50	1.80	3.80	5.00	0.20
						Sample Ref	7	1	6	7	9	2	3	7	5		1	4	3	11	4	7	8	2	9	6	2	4	5	1
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		<14	634.0	<100	834.0	1080.0	285.0	155.0	105.0	<100	423.0		70.2	<500		521.0	<500	94.5		<14	<70	111.0	<14	2110.0	
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<12	99.0	<100	53.0	<100	<100	23.6	34.8	<100	<200		26.1	1130.0		784.0	1040.0	18.0		<12	202.0	<100	<12	<200	
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		19.5	1320.0	49.1	1220.0	1160.0	366.0	260.0	170.0	<100	713.0		336.0	1530.0		2700.0	1490.0	268.0		<10	330.0	181.0	<10	2520.0	
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg		<15	1620.0	<100	2050.0	1080.0	322.0	276.0	189.0	<100	713.0		176.0	756.0		4090.0	1380.0	217.0		<15	153.0	188.0	<15	3220.0	
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg		<23	205.0	<100	283.0	<100	<100	33.3	<23	<100	<200		<23	<230		571.0	<500	<23		<23	<100	<100	<23	264.0	
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg		<14	1450.0	117.0	920.0	1120.0	355.0	275.0	188.0	<100	750.0		183.0	1320.0		3230.0	2370.0	279.0		<14	207.0	202.0	<14	2710.0	
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		17.3	99.6	<100	27.0	<100	<100	40.1	40.7	<100	<200		110.0	2880.0		149000.0	2300.0	204.0		<8	401.0	<100	<8	<200	
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<15	1390.0	140.0	327.0	1120.0	344.0	253.0	300.0	<100	652.0		740.0	8470.0		449000.0	16100.0	1550.0		<15	3490.0	207.0	<15	1330.0	
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<10	108.0	<100	41.7	<100	<100	34.5	55.5	<100	<200		157.0	4360.0		174000.0	10700.0	252.0		<10	1180.0	<100	<10	<200	
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg		19.1	<45	<100	29.2	<100	<100	<9	85.8	<100	<200		142.0	7510.0		15500.0	8230.0	307.0		<9	850.0	<260	<9	<200	
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.015	<0.015	0.1	<0.015	<0.015	<0.015	<0.015	<0.015	0.0	0.0	<0.015	0.1	30.1	<0.015		63.5	0.0	0.9	<0.015	0.4	<0.015	<0.015	<0.015	<0.015
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.0	0.0	<0.01	0.1	4.7	<0.01		25.7	0.1	0.8	<0.01	0.0	<0.01	<0.01	<0.01	<0.01
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.02				<0.02																			
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg		<100		<200		<200	<10			<200	<200			<200		<200	<200				<200	<200		<200	
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<10		<10				<10	<10			327.0			<50				<10			<10	
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg		16.7		<10		<10				42.9	<10			7370.0			<50				<10			<10	
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg		120.0		203.0		1770.0				2510.0	507.0			54300.0			13500.0				3070.0			68.6	
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg		215.0		160.0		1900.0				2630.0	522.0			67300.0			32500.0				3230.0			67.3	
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg		1040.0		2210.0		7700.0				3850.0	22200.0			396000.0			439000.0				215000.0			3450.0	
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		5090.0		22100.0		76500.0				62800.0	137000.0			1030000.0			742000.0				693000.0			41400.0	
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg		28000.0		221000.0		432000.0				174000.0	526000.0			3000000.0			1180000.0				1050000.0			283000.0	
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg		6280.0		34400.0		93400.0				45600.0	210000.0			516000.0			237000.0				178000.0			105000.0	
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg		19.5		14.5		46.2				62.4	28.3			1010.0			121.0				12.1			14.5	
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg		62.6		71.3		205.0				607.0	218.0			13400.0			1470.0				220.0			54.1	
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg		179.0		304.0		2650.0				3770.0	760.0			81400.0			20300.0				4610.0			103.0	
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg		324.0		239.0		2840.0				3940.0	782.0			101000.0			48700.0				4840.0			102.0	
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg		2430.0		1160.0		18900.0				7840.0	33100.0			1280000.0			375000.0				1650000.0			523.0	
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		11000.0		32900.0		53200.0				60700.0	194000.0			4730000.0			394000.0				3180000.0			21000.0	
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		45200.0		199000.0		321000.0				360000.0	912000.0			9750000.0			465000.0				2560000.0			196000.0	
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		4770.0		43700.0		58500.0				122000.0	355000.0			1230000.0			37100.0				453000.0			51700.0	
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg																						<0.3			
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg																						0.6			
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		<100	<100			<100	<200			<500		<100	<500				<100	<100		<200	
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		<100	<100			<100	<200			<500		1210.0	<500				<100	<100		<200	
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		<100	<100			<100	<200			<500		<100	<500				<100	<100		<200	
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		<100	<100			<100	<200			<500		<100	<500				<100	<100		<200	

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BWS203	AEC18-LF-BWS205 (PFWS59)	AEC18-LF-BWS206	AEC18-LF-BWS207
						Sample Top	1.40	10.80	11.40	12.10	5.30	8.30	0.90	4.70	7.80	2.00	3.80	4.35	6.50	0.50	3.30	5.80	0.30	12.30	3.80	6.00	1.60	0.20	1.60	0.70
						Sample Ref	4	9			6	7	2	4	6	3	4	5	7	2	6	8	1	8	4	5	2	1	2	1
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg																									
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg																									
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg																									
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg		<1	<1	<1	<1	<1	<1	<1		17.9	<1	5.6	15.9	<1	<1	6.8	3.3	<1	17.2	<1	1.2	<1	<1	<1	<1
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		2.8	67.3	27.1	2.1	567.0	84.0	107.0		255.0	169.0	1600.0	221.0	2410.0	93.4	697.0	787.0	13.3	341.0	58.9	95.1	43.2	80.1	18.6	21.8
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.14	<0.14	<0.14	<0.14	0.8	0.2	<0.14		0.6	<0.14	0.3	<0.14	<0.14	<0.14	0.2	3.8	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		5.9	228.0	138.0	13.9	84.3	45.1	19.2		45.5	30.1	847.0	90.8	97.0	16.4	103.0	188.0	14.2	67.3	20.6	15.9	52.5	36.1	96.8	48.2
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.6	<0.6	<0.6	<0.6	9.6	5.1	0.8		2.8	1.2	311.0	39.8	68.5	<0.6	13.3	39.8	<0.6	5.3	<0.6	3.5	<0.6	<0.6	<0.6	<0.6
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		1.4	40.6	14.4	1.7	44.6	20.9	16.2		13.1	19.0	10.6	12.1	8.7	12.9	67.5	39.1	6.4	59.8	18.4	11.1	22.7	21.8	20.8	12.9
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		0.3	13.5	9.6	0.5	5.9	2.2	0.8		1.4	1.4	0.9	1.8	1.2	0.8	5.0	1.0	0.7	5.9	0.9	0.4	3.5	1.6	3.2	3.1
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1	4.0	3.6	2.6		4.1	1.1	6.6	3.1	5.6	<1	7.6	7.2	<1	7.4	1.9	5.9	<1	1.4	<1	<1
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		0.1	2.4	1.2	0.3	1.0	0.6	0.1		0.4	<0.02	73.9	8.5	9.4	0.2	0.9	2.1	0.1	0.2	0.2	0.7	<0.02	<0.02	1.2	0.1
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		3.2	63.4	49.4	4.4	19.0	16.2	14.9		36.5	48.1	725.0	81.6	600.0	11.4	31.0	50.4	9.8	12.7	19.6	16.9	23.5	18.4	65.2	27.0
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		6.6	63.2	42.7	6.8	334.0	221.0	25.8		128.0	22.1	204.0	107.0	58.5	11.7	213.0	239.0	11.8	118.0	65.2	28.8	45.6	52.9	46.4	29.1
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		6.0	87.4	74.5	7.5	55.8	23.5	40.9		35.0	63.3	25.4	39.3	23.5	32.7	64.0	56.4	22.8	80.0	40.4	30.0	92.0	49.0	99.1	55.5
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		23.1	315.0	242.0	35.5	495.0	133.0	163.0		875.0	82.9	3490.0	6780.0	561.0	59.8	839.0	510.0	46.2	209.0	177.0	215.0	136.0	179.0	161.0	73.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	1.4	<1	1.7	<1	<1		<1	<1	24.3	3.1	5.3	<1	1.2	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035		<0.035	<0.035	7.3	0.1	0.3	<0.035	<0.035	0.1	<0.035	<0.035	<0.035	0.4	<0.035	<0.035	<0.035	<0.035
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BWS203	AEC18-LF-BWS205 (PFWS59)	AEC18-LF-BWS206	AEC18-LF-BWS207
						Sample Top	1.40	10.80	11.40	12.10	5.30	8.30	0.90	4.70	7.80	2.00	3.80	4.35	6.50	0.50	3.30	5.80	0.30	12.30	3.80	6.00	1.60	0.20	1.60	0.70
						Sample Ref	4	9			6	7	2	4	6	3	4	5	7	2	6	8	1	8	4	5	2	1	2	1
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg																									
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg																									
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg																									
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg																									
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg																									
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg																									
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																									
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg																									
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg																									
Phenol	7600	POS PARK	mg/kg	0	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.05	<0.01	0.1	<0.01	0.0	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg																									
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg																									
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg																									
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg																									
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg																									
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg																									
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg																									
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg																									
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg																									
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg																									
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg																									
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg																									
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg																									
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg																									
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg																									
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg																									
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg																									
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																									
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																									
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg																									
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg																									
Chloroform	99.1	Commercial	mg/kg	0	mg/kg																									
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg																									
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg																									
Tribromomethane	714	Commercial	mg/kg	0	mg/kg																									
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg																									
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg																									
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg																									
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg																									
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg																									
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg																									
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg																									
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg																									
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg																									
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg																									
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg																									
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg																									
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg																									
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																									
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg																									
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg																									
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg																									
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BWS203	AEC18-LF-BWS205 (PFWS59)	AEC18-LF-BWS206	AEC18-LF-BWS207
						Sample Top	1.40	10.80	11.40	12.10	5.30	8.30	0.90	4.70	7.80	2.00	3.80	4.35	6.50	0.50	3.30	5.80	0.30	12.30	3.80	6.00	1.60	0.20	1.60	0.70
						Sample Ref	4	9			6	7	2	4	6	3	4	5	7	2	6	8	1	8	4	5	2	1	2	1
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg											<0.01									<0.01					
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg										<0.6															
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg										<1															
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg										17.6															
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100			<100	<100					<200	<500			<200	<200		<100	<100						
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg	<4	<4	<4	<4	<4	<80	<80		<80	<80	<4	89100.0	7040.0	1850.0		<80	<80		<40	<4	<80					
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<200	<200						<2000	<2000			<200	<200		<100	<10						
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<200	<200						18000.0	5680.0			<200	<200		<100	<10						
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg		<11			<220	<220						7700.0	<2200			<220	<220		<110	<11						
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100						3150.0	<500			<200	<200		<100	<100						
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100						<200	<500			<200	313.0		<100	<100						
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg		<100			<100	<100						<1000	<1000			<100	<100		<100	<100						
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg		<5			<100	<100						<1000	<1000			<100	<100		<50	<5						
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg		<8			<160	<160						153000.0	39400.0			<160	<160		<80	<8						
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<200	<200						<2000	<2000			<200	<200		<100	<10						
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg	<7	<7	<7	<7	<140	<140		<140	<140	<7		79500.0	<1400	170.0		<140	<140		<70	<7	<140					
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg		<5			<100	<100						<1000	<1000			<100	<100		<50	<5						
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100						<200	<500			<200	<200		<100	<100						
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg		<100			<100	<100						<200	<500			<200	<200		<100	<100						
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100						3950.0	3650.0			<200	<200		<100	<100						
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100						822.0	615.0			<200	<200		<100	<100						
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100						<1000	<500			<200	<200		<100	<100	<1000					
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg		<100			<100	<100						<200	<4000			<200	<200		<100	<100						
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100						<200	<500			<200	<200		<100	<100						
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100						<200	<500			<200	<200		<100	<100						
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<200	<200						<2000	<2000			<200	<200		<100	<10						
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg		<5			<100	<100						<1000	<1000			<100	<100		<50	<5						
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100						<200	<500			<200	<200		<100	<100						
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg		<100			<100	<100						<200	3270.0			<200	<200		<100	<100						
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<200	<200						3410.0	<2000			<200	<200		<100	<10						
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg		<6			<120	<120						3650.0	<1200			<120	<120		<60	<6						
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<200	<200						<2000	<2000			<200	<200		<100	<10						
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg		<100			<100	<100						<1600	<1600			<160	<160		<100	<100						
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<200	<200						<2000	<2000			<200	<200		<100	<10						
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100						<200	<500			<200	<200		<100	<100						
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100						<200	<500			<200	<200		<100	<100						
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<200	<200						<2000	<2000			<200	<200		<100	<10						
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg		<8			<160	<160						<1600	<1600			<160	<160		<80	<8						
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg		<100			<100	<100						<200	<500			<200	<200		<100	<100						
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg	<9	<9	<9	<9	<180	<180		<180	<180	<9		<1800	<1800	<9		<180	<180		<90	<9	<180					
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg		<7			<140	<140						<1400	<1400			<140	<140		<70	<7						
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg		<7			<140	<140						<1400	<1400			<140	<140		<70	<7						
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<200	<200						<2000	<2000			<200	<200		<100	<10						

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BWS203	AEC18-LF-BWS205 (PFWS59)	AEC18-LF-BWS206	AEC18-LF-BWS207
						Sample Top	1.40	10.80	11.40	12.10	5.30	8.30	0.90	4.70	7.80	2.00	3.80	4.35	6.50	0.50	3.30	5.80	0.30	12.30	3.80	6.00	1.60	0.20	1.60	0.70
						Sample Ref	4	9			6	7	2	4	6	3	4	5	7	2	6	8	1	8	4	5	2	1	2	1
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg		<6			<120	<120					<1200	<1200			<120	<120		<60	<6					
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<200	<200					<2000	<2000			<200	<200		<100	<10					
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<7			<140	<140					<1400	<1400			<140	<140		<70	9.1					
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<200	<200					<2000	<2000			<200	<200		<100	<10					
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg		<7			<140	<140					<1400	<1400			<140	<140		<70	<7					
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg		<8			<160	<160					<1600	<1600			<160	<160		<80	<8					
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<200	<200					<2000	<2000			<200	<200		<100	<10					
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg		<100			<100	<100					<200	<500			<200	<200		<100	<100					
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<200	<200					<2000	<2000			<200	<200		<100	<10					
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<200	<200					<2000	<2000			<200	<200		<100	<10					
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg		<9			<180	<180					<1800	<1800			<180	<180		<90	<9					
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<200	<200					<2000	<2000			<200	<200		<100	<10					
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100					<200	<500			<200	<200		<100	<100					
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100					25400.0	1800.0			<200	<200		<100	<100					
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		140.0			<100	<100					788000.0	46800.0			<200	<200		<100	<100					
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg		<100			<100	<100					<200	2840.0			<200	350.0		<100	<100					
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg		<20			<400	<400					<4000	<4000			<400	<400		<200	<20					
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg		<100			<100	<100					<200	<4000			<200	<200		<100	<100					
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100					<200	<500			<200	<200		<100	<100					
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100					<200	<500			<200	<200		<100	<100					
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100					<200	<500			<200	<200		<100	<100					
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg		<100			<100	<100					4730.0	3150.0			<200	<200		<100	<100					
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg		<100			<100	<100					<200	<500			<200	<200		<100	<100					
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg	<10	<10	<10	<10	<200	<200		<200	<200	<10	64100.0	3190.0	742.0		<200	<200		<100	<10	<200				
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100					<200	<500			<200	<200		<100	<100					
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<100	<100					1620.0	<2000			<200	<200		<100	<10					
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100					<200	<500			<200	<200		<100	<100					
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg		16.2			<180	<180					514000.0	200000.0			<180	<180		<90	<9					
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<100	<100					<200	<500			<200	<200		<100	<100					
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg		<5			<100	<100					5340.0	1900.0			<100	<100		<50	<5					
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg		<100			<100	<100					<200	<500			<200	<200		<100	<100					
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<200	<200					<2000	<2000			<200	<200		<100	<10					
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg	<10	<10	<10	<10	<200	<200		<200	804.0	<10	305000.0	38600.0	19800.0		<200	<200		<100	<10	<200				
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<1000									<1000					
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<1000									<1000					
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<1000									<1000					
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg											<1000									<1000					
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<1000									<1000					
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg											<1000									<1000					
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg											<1000									<1000					
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<16	<100	<16	<16	<100	<100		575.0	1290.0	<16	<200	842.0	109.0		48.4	1560.0		<100	<100	164.0					
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<15	<100	<15	<15	616.0	<100		2580.0	2630.0	65.2	480.0	2900.0	436.0		406.0	13700.0		<100	131.0	775.0					
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg	<24	<100	<24	<24	791.0	<100		681.0	239.0	27.7	<200	745.0	83.8		<24	4410.0		<100	<100	<120					
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg	<18	<100	<18	<18	884.0	<100		538.0	191.0	23.4	<200	591.0	62.5		317.0	5090.0		<100	<100	<90					
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg	<15	<100	<15	<15	1660.0	<100		1420.0	611.0	59.4	<200	13300.0	172.0		457.0	14100.0		<100	<100	161.0					
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<17	<100	<17	<17	590.0	<100		3630.0	3830.0	75.5	421.0	44700.0	473.0		443.0	26600.0		<100	143.0	863.0					

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BWS203	AEC18-LF-BWS205 (PFWS59)	AEC18-LF-BWS206	AEC18-LF-BWS207
						Sample Top	1.40	10.80	11.40	12.10	5.30	8.30	0.90	4.70	7.80	2.00	3.80	4.35	6.50	0.50	3.30	5.80	0.30	12.30	3.80	6.00	1.60	0.20	1.60	0.70
						Sample Ref	4	9			6	7	2	4	6	3	4	5	7	2	6	8	1	8	4	5	2	1	2	1
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		<14	<100	<14	<14	571.0	<100		465.0	240.0	25.1	<200	12000.0	65.9		132.0	6340.0		<100	<100	<70				
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<12	<100	<12	<12	<100	<100		43.5	54.7	<12	<200	738.0	74.6		<200	<200		<100	<100	<60				
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		<10	<10	<10	<10	657.0	<100		1100.0	651.0	32.9	<200	15200.0	164.0		211.0	9430.0		<100	<100	240.0				
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg		<15	<100	<15	<15	884.0	<100		880.0	383.0	40.1	<200	13400.0	97.4		319.0	9550.0		<100	<100	189.0				
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg		<23	<100	<23	<23	<100	<100		131.0	50.7	<23	<200	1030.0	<23		<200	1160.0		<100	<100	<115				
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg		<14	<100	<14	<14	734.0	<100		1040.0	750.0	38.2	<200	18600.0	117.0		227.0	9730.0		<100	<100	260.0				
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<8	<100	<8	<8	<100	<100		120.0	149.0	<8	301.0	6430.0	320.0		<200	499.0		<100	<100	132.0				
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<15	<100	<15	<15	161.0	<100		1730.0	4540.0	44.7	1290.0	34400.0	1200.0		180.0	7870.0		<100	<100	824.0				
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<10	<10	<10	<10	<100	<100		192.0	483.0	<10	452.0	7310.0	631.0		<200	687.0		<10	<100	198.0				
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg		<9	<100	<9	<9	<100	<100		537.0	641.0	48.8	33100.0	19200.0	37100.0		<200	<260		<100	<100	149.0				
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015		<0.075	<0.015	6.2	0.1	0.3	<0.015	<0.015	0.1	<0.015	<0.015	<0.015	0.3	<0.015	<0.015	<0.015	<0.015
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.05	<0.01	0.9	0.0	0.0	<0.01	0.0	0.0	0.0	<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg												<0.02									<0.02				
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10	<10	<10	<200	<200		<200	<200		<2000	<2000			<200	<200		<100	<10					
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg				<10	<10	<10	<10		<10	<100		<200	<200			<10	<10		<10						
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg				<10	<10	20.1	10.9		<10	<100		157000.0	<200			<10	<10		<10						
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg				<10	61.6	197.0	983.0		2140.0	11200.0		1100000.0	84400.0			18.4	1400.0		222.0						
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<10	59.0	201.0	1780.0		4200.0	19800.0		572000.0	126000.0			18.4	1400.0		270.0						
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100	<100	2310.0	14700.0		9530.0	2940.0		274000.0	175000.0			3220.0	40100.0		150.0						
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg				1780.0	<100	17700.0	66200.0		150000.0	109000.0		905000.0	606000.0			17600.0	313000.0		23500.0						
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg				13300.0	<100	116000.0	487000.0		486000.0	208000.0		4500000.0	2180000.0			181000.0	1300000.0		82600.0						
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg				757.0	<100	38000.0	85200.0		69000.0	61600.0		814000.0	568000.0			63800.0	297000.0		37200.0						
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg				<10	<10	21.4	81.1		27.9	126.0		7040.0	251.0			16.1	38.8		25.0						
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg				<10	35.4	81.7	329.0		249.0	1090.0		132000.0	4730.0			19.6	154.0		84.8						
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg				<10	93.0	295.0	1480.0		3220.0	16800.0		1650000.0	127000.0			28.8	2100.0		334.0						
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg				<10	89.1	302.0	2660.0		6300.0	29800.0		858000.0	189000.0			28.8	2100.0		404.0						
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100	<100	3160.0	30800.0		32700.0	16600.0		762000.0	354000.0			7590.0	185000.0		2690.0						
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				2640.0	<100	22100.0	118000.0		184000.0	113000.0		3590000.0	1680000.0			27400.0	463000.0		7330.0						
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				12400.0	<100	134000.0	688000.0		797000.0	414000.0		11400000.0	6380000.0			275000.0	1760000.0		89000.0						
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				1520.0	<100	26000.0	124000.0		225000.0	191000.0		1640000.0	1080000.0			46600.0	318000.0		14200.0						
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100			<100	<100					<200	<500			<200	<200		<100	<100					
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100			<100	<100					<200	<500			<200	<200		<100	<100					
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100			<100	<100					<200	<500			<200	<200		<100	<100					
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100			<100	<100					<200	<500			<200	<200		<100	<100					

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BWS209	AEC18-LF-BWS209	AEC18-LF-BWS210	AEC18-LF-BWS210	AEC18-LF-BWS211	AEC18-LF-BWS212	AEC18-LF-BWS212	AEC18-LF-BWS213	AEC18-LF-BWS214	AEC18-LF-BWS215	AEC18-LF-BWS215	AEC18-LF-BWS216	AEC18-LF-BWS217	AEC18-LF-BWS217	AEC18-LF-BWS218	AEC18-LF-BWS218	AEC18-LF-BWS219A (PFWS62A)	AEC18-LF-GW201	AEC18-LF-GW202	AEC18-LF-GW202	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203
						Sample Top	0.20	1.60	0.60	1.60	0.70	1.00	4.20	0.80	1.00	0.30	3.40	2.20	0.50	2.50	0.60	3.60	0.20	1.70	0.80	2.70	0.10	11.00	5.60	6.70
						Sample Ref	1	4	2	4	1	2	5		2	1	5	3	2	5	2	5	1	2	2	4	1	7	5	6
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg																									
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg																									
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg																									
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg		<1	<1	<1	<1	<1	<1	3.6	<1	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	3.6
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		43.5	19.9	14.6	24.0	24.0	98.2	117.0	29.5	15.9	26.3	3410.0	0.0	53.2	33.2	17.6	31.3	71.3	21.7	24.9	23.5	39.7	1.6	89.5	79.8
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	0.3	<0.14	<0.14	<0.14	<1.4	<0.0001	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	0.8	<0.14
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		25.4	233.0	15.3	24.5	41.7	27.8	16.6	60.4	16.0	24.7	299.0	0.1	13.9	26.1	24.0	62.0	33.5	31.6	33.8	33.5	27.6	5.9	20.0	27.1
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.6	<0.6	<0.6	<0.6	<0.6	3.4	2.4	<0.6	<0.6	<0.6	48.8	0.1	0.7	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	5.8
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		15.0	21.7	11.3	13.1	19.4	19.4	11.0	16.2	7.2	22.7	113.0	<0.005	11.9	17.8	15.1	15.7	35.8	18.6	19.4	20.8	13.6	1.3	9.0	26.1
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		1.4	7.8	0.9	1.3	2.0	0.9	0.6	4.9	0.9	1.3	7.9	<0.001	0.5	2.7	1.4	4.7	1.3	1.4	1.5	2.0	1.4	0.3	1.0	2.3
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	10.9	<1	<1	1.8	3.1	<1	<1	<1	7.9	1.9	1.1	1.4	<1	<1	<1	<1	<1	2.3	<1	<1	5.1	36.2
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		0.1	2.2	<0.02	<0.02	<0.02	0.1	1.0	0.1	0.1	<0.02	1.0	0.0	0.1	0.1	<0.02	0.3	0.0	0.1	<0.02	<0.02	0.6	0.1	0.3	0.9
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		25.3	53.4	37.6	22.3	36.2	13.3	24.5	57.3	20.3	36.7	150.0	0.1	10.2	16.3	34.4	42.3	15.6	41.7	34.6	58.8	19.1	5.8	17.3	12.3
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		22.3	56.9	15.2	23.0	28.8	23.0	80.0	49.6	9.1	20.0	2520.0	0.2	22.4	17.1	18.3	46.6	24.9	16.0	25.5	26.6	21.2	4.6	16.8	52.8
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		53.3	92.0	76.7	64.2	85.5	49.1	16.1	86.6	33.3	89.0	87.2	<0.01	40.9	52.5	77.6	88.2	66.5	58.0	68.3	68.6	40.4	10.3	28.1	37.7
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		72.8	235.0	37.0	68.6	90.8	114.0	317.0	176.0	54.7	59.4	5590.0	0.1	86.0	88.5	50.3	162.0	113.0	61.5	88.7	83.6	81.5	24.8	95.4	455.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<0.01	<1	1.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.3	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	23.0
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BWS209	AEC18-LF-BWS209	AEC18-LF-BWS210	AEC18-LF-BWS210	AEC18-LF-BWS211	AEC18-LF-BWS212	AEC18-LF-BWS212	AEC18-LF-BWS213	AEC18-LF-BWS214	AEC18-LF-BWS215	AEC18-LF-BWS215	AEC18-LF-BWS216	AEC18-LF-BWS217	AEC18-LF-BWS217	AEC18-LF-BWS218	AEC18-LF-BWS218	AEC18-LF-BWS219A (PFWS62A)	AEC18-LF-GW201	AEC18-LF-GW202	AEC18-LF-GW202	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203
						Sample Top	0.20	1.60	0.60	1.60	0.70	1.00	4.20	0.80	1.00	0.30	3.40	2.20	0.50	2.50	0.60	3.60	0.20	1.70	0.80	2.70	0.10	11.00	5.60	6.70
						Sample Ref	1	4	2	4	1	2	5		2	1	5	3	2	5	2	5	1	2	2	4	1	7	5	6
n-propylbenzene	**3860**	**Commercial**	**mg/kg**	**0**	mg/kg																									
n-Butylbenzene	**26.598**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4-Dimethylphenol	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
3/4 Methylphenol	**46000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,4-Dichlorobenzene	**4220**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,2-Dichloroethane	**0.671**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,3,5-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Bromobenzene	**91.5**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chlorobenzene	**55.6**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Phenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	7.4
Bis(2-chloroethoxy)methane	**0.956**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Bis(2-ethylhexyl)phthalate	**16600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Di-N-Octyl Phthalate	**20000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Hexachlorobenzene (HCB)	**28.9**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trichlorobenzene	**215**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4-Dichlorophenol	**977**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2,4-Dinitrotoluene	**928**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Dibromochloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Tetrachloroethene	**18.6**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Dimethylphthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Dibenzofuran	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Sec-Butylbenzene	**26.6**	**Commercial**	**mg/kg**	**0**	mg/kg																									
cis-1,2-Dichloroethene	**13.6**	**Commercial**	**mg/kg**	**0**	mg/kg																									
trans-1,2-Dichloroethene	**20.7**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Methyl tert-butyl ether (MTBE)	**7480**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,3-Dichlorobenzene	**29.9**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Tetrachloromethane (Carbon Tetra Chloride)	**2.87**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,3,4,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Chloro-3-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2,6-Dinitrotoluene	**468**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,1,1,2-Tetrachloroethane	**108**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chloroform	**99.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,1,1-Trichloroethane	**660**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chloroethene	**0.0594**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Tribromomethane	**714**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Bromodichloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,1-Dichloroethane	**263**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,1-Dichloroethene	**24.3**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,2-Dichloropropane	**3.13**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,1,2-Trichloroethane	**89.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Trichloroethene	**1.23**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Diethylphthalate	**89300**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Di-N-Butyl Phthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Butylbenzylphthalate	**254000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Carbazole	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,3 Trichlorobenzene	**102**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Hexachlorobutadiene (HCBD)	**30.7**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Pentachlorophenol (PCP)	**113**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2,4,6-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2-Methylnaphthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chloronaphthalene	**370**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,3,5,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BWS209	AEC18-LF-BWS209	AEC18-LF-BWS210	AEC18-LF-BWS210	AEC18-LF-BWS211	AEC18-LF-BWS212	AEC18-LF-BWS212	AEC18-LF-BWS213	AEC18-LF-BWS214	AEC18-LF-BWS215	AEC18-LF-BWS215	AEC18-LF-BWS216	AEC18-LF-BWS217	AEC18-LF-BWS217	AEC18-LF-BWS218	AEC18-LF-BWS218	AEC18-LF-BWS219A (PFWS62A)	AEC18-LF-GW201	AEC18-LF-GW202	AEC18-LF-GW202	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203
						Sample Top	0.20	1.60	0.60	1.60	0.70	1.00	4.20	0.80	1.00	0.30	3.40	2.20	0.50	2.50	0.60	3.60	0.20	1.70	0.80	2.70	0.10	11.00	5.60	6.70
						Sample Ref	1	4	2	4	1	2	5		2	1	5	3	2	5	2	5	1	2	2	4	1	7	5	6
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg								<0.6					<0.3												
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg													<0.5												
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg													<0.5												
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100																<100	
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg	<4							77.0				<80			<4		<4						<4	9.0	855.0
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg								<100																<10	
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg								<100																<10	
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg								<110																<11	
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100																<100	
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100																<100	
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg								<100																<100	
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg								<50																<5	
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg								<80																<8	
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg								<100																<10	
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg	<7							<70				<140			<7		<7						<7	<7	<140
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg								<50																<5	
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100																<100	
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg								<100																<100	
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100																<100	
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100																<100	
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100																<100	
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg								<100																<100	
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100																<100	
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100																<100	
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg								<100																<10	
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg								<50																<5	
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100																<100	
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg								480.0																<100	
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg								<100																<10	
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg								<60																<6	
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg								<100																<10	
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg								<100																<100	
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg								<100																<10	
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100																<100	
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100																<100	
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg								<100																<10	
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg								<80																<8	
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg								<100																<100	
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg	<9							<90				<180			<9		<9						<9	<9	<180
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg								<70																<7	
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg													1.5												
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg								<70																<7	
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg								<100																<10	

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BWS209	AEC18-LF-BWS209	AEC18-LF-BWS210	AEC18-LF-BWS210	AEC18-LF-BWS211	AEC18-LF-BWS212	AEC18-LF-BWS212	AEC18-LF-BWS213	AEC18-LF-BWS214	AEC18-LF-BWS215	AEC18-LF-BWS215	AEC18-LF-BWS216	AEC18-LF-BWS217	AEC18-LF-BWS217	AEC18-LF-BWS218	AEC18-LF-BWS218	AEC18-LF-BWS219A (PFWS62A)	AEC18-LF-GW201	AEC18-LF-GW202	AEC18-LF-GW202	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203
						Sample Top	0.20	1.60	0.60	1.60	0.70	1.00	4.20	0.80	1.00	0.30	3.40	2.20	0.50	2.50	0.60	3.60	0.20	1.70	0.80	2.70	0.10	11.00	5.60	6.70
						Sample Ref	1	4	2	4	1	2	5		2	1	5	3	2	5	2	5	1	2	2	4	1	7	5	6
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg							<60															<6	
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg							<100															<10	
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg							<70															<7	
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg							<100															<10	
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg							<70															<7	
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg							<80															<8	
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg							<100															<10	
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg							<100															<100	
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg							<100															<10	
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg							<100															<10	
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg							<90															<9	
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg							<100															<10	
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<100															<100	
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<100															<100	
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg							240.0															<100	
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg							216.0															<100	
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg							<200															<20	
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg							<100															<100	
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<100															<100	
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<100															<100	
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<100															<100	
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg							732.0															<100	
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg							<100															<100	
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg	<10						<100				<200			<10		<10					<10	<10	<10	<200
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<100															<100	
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg							<100															<10	
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<100															<100	
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg							144.0															<9	
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<100															<100	
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg							<50															<5	
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg							<100															<100	
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg							<100															<10	
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg	<10						<100				<200			<10		<10					<10	<10	4020.0
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<16						2560.0				36.1			39.0		<16						<16	<100	107.0
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg	110.0						3070.0				139.0			213.0		<15						<15	45.2	336.0
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg	54.0						609.0				152.0			56.9		<24						<24	<100	134.0
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg	41.1						635.0				111.0			55.5		<18						<18	<100	141.0
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg	102.0						1180.0				149.0			132.0		<15						<15	<100	241.0
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg	117.0						3420.0				208.0			244.0		<17						<17	50.5	344.0

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-BWS209	AEC18-LF-BWS209	AEC18-LF-BWS210	AEC18-LF-BWS210	AEC18-LF-BWS211	AEC18-LF-BWS212	AEC18-LF-BWS212	AEC18-LF-BWS213	AEC18-LF-BWS214	AEC18-LF-BWS215	AEC18-LF-BWS215	AEC18-LF-BWS216	AEC18-LF-BWS217	AEC18-LF-BWS217	AEC18-LF-BWS218	AEC18-LF-BWS218	AEC18-LF-BWS219A (PFWS62A)	AEC18-LF-GW201	AEC18-LF-GW202	AEC18-LF-GW202	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203
						Sample Top	0.20	1.60	0.60	1.60	0.70	1.00	4.20	0.80	1.00	0.30	3.40	2.20	0.50	2.50	0.60	3.60	0.20	1.70	0.80	2.70	0.10	11.00	5.60	6.70
						Sample Ref	1	4	2	4	1	2	5		2	1	5	3	2	5	2	5	1	2	2	4	1	7	5	6
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		36.2						491.0				61.1			38.6		<14						<14	<100	74.3
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<12						173.0				24.9			<12		<12						<12	<100	<12
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		58.9						1300.0				70.6			92.8		<10						<10	<100	219.0
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg		61.9						1070.0				118.0			95.0		<15						<15	<100	149.0
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg		<23						<115				<23			<23		<23						<23	<100	<23
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg		55.6						1880.0				72.5			103.0		<14						<14	<100	151.0
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<8						768.0				<8			25.7		<8						<8	<100	480.0
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg		37.7						3440.0				94.8			168.0		<15						<15	<100	529.0
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<10						756.0				<10			17.2		<10						<10	<10	243.0
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg		<9						4270.0				40.2			15.9		<9						<9	<100	1830.0
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.0	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.2	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.3
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	15.2
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg								<100							<10								<10	<200
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg															<10								<10	<10
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg															<10								<10	16.8
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg															86.3								131.0	2700.0
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg															106.0								20.4	922.0
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg															2340.0								<100	18600.0
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg															11700.0								2630.0	205000.0
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg															63800.0								16900.0	991000.0
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg															26200.0								1760.0	123000.0
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg															<10								<10	154.0
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg															25.0								20.4	646.0
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg															129.0								45.6	1350.0
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg															159.0								31.2	1380.0
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg															4830.0								<100	13500.0
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg															28400.0								2890.0	123000.0
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg															197000.0								25900.0	471000.0
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg															41600.0								2800.0	39900.0
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg													<0.3											
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg													0.1											
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100															<100	
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100															<100	
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100															<100	
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100															<100	

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW204	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-LW201	AEC18-LF-LW201	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202
						Sample Top	0.35	4.70	6.40	0.50	0.30	3.40	6.40	9.50	1.70	10.20	5.00	0.55	3.70	7.60	1.50	11.70	3.60	6.80	13.70	3.20	0.30	10.10	6.50	7.60
						Sample Ref	1	3	4	2	1	4	5	6	1	6	3	2	5	7	4	10	5	7	8	4	1	7	4	5
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg																								
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg																								
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg																								
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg		<1	6.9	<1	<1	<1	8.0	<1	8.0	<1	2.3	<1	<1	<1	<0.5	<1		3.2	<1	<1	2.4	<1	<1	<1	3.4
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		18.8	65.1	96.8	61.6	47.7	827.0	813.0	790.0	21.2	516.0	89.1	51.9	332.0	0.0	51.9		451.0	20.9	125.0	92.0	100.0	13.5	122.0	1570.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.14	0.3	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.0001	<0.14		<1.4	<0.14	<0.14	<0.14	5.1	<0.14	<0.14	<0.14
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		23.5	2.2	48.6	16.5	15.5	31.1	48.7	119.0	9.0	31.7	24.3	31.6	139.0	0.1	24.0		99.1	24.4	29.4	25.0	26.0	33.3	27.1	24.8
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.6	1.4	3.3	<0.6	<0.6	2.2	17.6	16.4	<0.6	20.2	0.9	<0.6	29.0	0.3	0.6		13.3	<0.6	<0.6	13.2	<0.6	<0.6	1.5	3.7
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		10.1	<0.6	29.1	10.9	8.0	21.0	12.1	48.0	3.3	20.0	12.2	11.5	25.7	0.0	17.0		37.6	4.5	20.7	15.4	16.8	19.1	12.3	8.1
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		1.3	<0.01	1.7	1.7	0.9	1.1	<0.01	3.4	0.5	1.9	0.9	1.4	0.3	<0.001	1.1		6.3	0.8	1.0	0.9	1.6	1.1	1.1	1.3
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	3.8	7.1	<1	<1	3.7	<1	5.7	<1	8.2	3.7	1.0	3.4	8.4	1.2		40.9	<1	3.8	5.4	1.5	14.4	2.1	25.4
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		0.2	0.9	2.3	0.1	0.2	1.6	10.3	1.4	0.2	1.5	0.7	0.5	1.3	<0.0008	0.7		1.4	0.2	2.1	0.7	<0.02	<0.02	0.4	1.2
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		27.0	13.0	16.5	17.1	16.2	30.8	24.6	38.4	6.3	21.3	24.5	20.1	63.4	0.1	23.7		41.7	15.7	19.0	10.5	10.2	26.7	20.8	23.4
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		20.1	16.7	179.0	21.6	22.3	140.0	172.0	306.0	10.0	170.0	35.4	28.6	271.0	0.0	22.6		135.0	19.5	34.7	56.9	145.0	22.7	34.7	105.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		41.3	0.3	51.2	42.5	29.9	14.3	19.6	40.0	11.0	41.6	35.2	44.2	43.6	<0.01	45.8		47.5	34.7	47.7	25.7	42.3	58.8	54.0	45.1
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		80.2	1850.0	2640.0	83.0	86.1	257.0	93.8	1640.0	45.0	585.0	183.0	159.0	510.0	0.2	80.1		799.0	57.6	208.0	158.0	195.0	83.0	436.0	377.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.01	<1		<10	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.035	10.6	0.2	<0.035	<0.035	3.1	370.0	1.5	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035		<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW204	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-LW201	AEC18-LF-LW201	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202
						Sample Top	0.35	4.70	6.40	0.50	0.30	3.40	6.40	9.50	1.70	10.20	5.00	0.55	3.70	7.60	1.50	11.70	3.60	6.80	13.70	3.20	0.30	10.10	6.50	7.60
						Sample Ref	1	3	4	2	1	4	5	6	1	6	3	2	5	7	4	10	5	7	8	4	1	7	4	5
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg																							
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg																							
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg																							
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg																							
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg																							
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg																							
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																							
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg																							
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg																							
Phenol	7600	POS PARK	mg/kg	0	mg/kg	<0.01	2.1	<0.01	<0.01	<0.01	0.3	369.0	1.5	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01		0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg																							
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg																							
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg																							
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg																							
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg																							
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg																							
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg																							
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg																							
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg																							
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg																							
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg																							
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg																							
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg																							
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg																							
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg																							
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg																							
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg																							
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																							
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																							
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg																							
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg																							
Chloroform	99.1	Commercial	mg/kg	0	mg/kg																							
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg																							
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg																							
Tribromomethane	714	Commercial	mg/kg	0	mg/kg																							
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg																							
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg																							
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg																							
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg																							
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg																							
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg																							
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg																							
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg																							
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg																							
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg																							
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg																							
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg																							
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg																							
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																							
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg																							
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg																							
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg																							
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																							

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW204	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-LW201	AEC18-LF-LW201	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202
					Hole Ref																							
					Sample Top	0.35	4.70	6.40	0.50	0.30	3.40	6.40	9.50	1.70	10.20	5.00	0.55	3.70	7.60	1.50	11.70	3.60	6.80	13.70	3.20	0.30	10.10	6.50	7.60
					Sample Ref	1	3	4	2	1	4	5	6	1	6	3	2	5	7	4	10	5	7	8	4	1	7	4	5
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																							
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																							
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																							
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg														<0.01					<0.01				
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																							
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																							
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg										<0.6				<0.3									
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg														<0.5			<1						
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg														<0.5			2.7						
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<1000				<500								<100		<100	<100			<100				<100
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg		904000.0	1540.0			<80				<40	<4		<80	<80		<4	<80		21.3	<40		<4	<4	<80
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg		<200				<200								<200		<10	<200			<100				<200
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg		26700.0				<200								<200		<10	<200			<100				<200
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg		4050.0				496.0								<220		<11	<220			<110				<220
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<1000				<500								<100		<100	<100			<100				<100
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<1000				3100.0								<100		<100	<100			<100				<100
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1000				<500								<100		<100	<100			<100				<100
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg		<100				<100								<100		<5	<100			<50				<100
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg		4010000.0				528.0								<160		<8	<160			247.0				<160
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg		<200				<200								<200		<10	<200			<100				<200
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg		35300.0	60.1			<140				<70	<7		<140	<140		<7	<140		<7	<70		<7	<7	<140
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg		<100				<100								<100		<5	<100			<50				<100
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<1000				<500								<100		<100	<100			<100				<100
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg		<1000				<500								<100		<100	<100			<100				<100
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		149000.0				72000.0								<100		<100	<100			1710.0				2890.0
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<1000				8920.0								<100		<100	<100			<100				290.0
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg		<1000				<500								<100		<100	<100		<50	<100				<100
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1000				<400								<100		<100	<100			<100				<100
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<1000				<500								<100		<100	<100			<100				<100
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<1000				<500								<100		<100	<100			<100				<100
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg		<200				<200								<200		<10	<200			<100				<200
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg		<100				<100								<100		<5	<100			<50				<100
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<1000				<500								<100		<100	<100			<100				<100
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg		<1000				<500								<100		<100	<100			<100				452.0
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg		4790.0				441.0								<200		<10	<200			<100				<200
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg		664.0				<120								<120		<6	<120			<60				<120
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg		<200				<200								<200		<10	<200			<100				<200
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg		<1000				<160								<100		<100	<100			<100				<100
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg		<200				<200								<200		<10	<200			<100				<200
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<1000				<500								<100		<100	<100			<100				<100
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<1000				<500								<100		<100	<100			<100				<100
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg		<200				<200								<200		<10	<200			<100				<200
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg		<160				<160								<160		<8	<160			<80				<160
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg		<1000				<500								<100		<100	<100			<100				<100
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg		<180	97.0			<180				<90	<9		<180	<180		<9	<180		<9	<90		<9	<9	<180
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg		<140				<140								<140		<7	<140			<70				<140
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg														2.1										
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg		<140				<140								<140		<7	<140			<70				<140
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<200				<200								<200		<10	<200			<100				<200

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW204	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-LW201	AEC18-LF-LW201	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202
						Sample Top	0.35	4.70	6.40	0.50	0.30	3.40	6.40	9.50	1.70	10.20	5.00	0.55	3.70	7.60	1.50	11.70	3.60	6.80	13.70	3.20	0.30	10.10	6.50	7.60
						Sample Ref	1	3	4	2	1	4	5	6	1	6	3	2	5	7	4	10	5	7	8	4	1	7	4	5
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg			<120				<120								<120		<6	<120			<60				<120
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200				<200								<200		<10	<200			<100				<200
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<140				<140								<140		<7	<140			<70				<140
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200				<200								<200		<10	<200			<100				<200
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg			<140				<140								<140		<7	<140			<70				<140
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg			<160				<160								<160		<8	<160			<80				<160
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg			<200				<200								<200		<10	<200			<100				<200
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg			<1000				<500								<100		<100	<100			<100				<100
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg			<200				<200								<200		<10	<200			<100				<200
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg			<200				<200								<200		<10	<200			<100				<200
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg			<180				<180								<180		<9	<180			<90				<180
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200				<200								<200		<10	<200			<100				<200
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg			1520.0				<500								<100		<100	<100			<100				<100
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<1000				2060.0								<100		<100	182.0			<100				649.0
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			12200.0				<500								<100		<100	<100			<100				261.0
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg			<1000				<500								<100		<100	<100			<100				429.0
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg			<400				<400								<400		<20	<400			<200				<400
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg			<1000				<400								<100		<100	<100			<100				<100
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<1000				<500								<100		<100	<100			<100				<100
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<1000				<500								<100		<100	<100			<100				<100
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<1000				<500								<100		<100	<100			<100				<100
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg			425000.0				<500								<100		<100	<100			<100				245.0
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1000				<500								<100		<100	<100			<100				<100
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg			730000.0	948.0			<200				<100	<10		<200	<200		<10	<200		17.9	<100		<10	<10	<200
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<1000				<500								<100		<100	<100			<100				<100
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1000				<200								<100		<10	<100			<100				<100
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<1000				<500								<100		<100	<100			<100				<100
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg			5570000.0				4720.0								<180		<9	<180			345.0				<180
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<1000				<500								<100		<100	<100			<100				<100
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg			5690.0				315.0								<100		<5	<100			<50				<100
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg			<1000				<500								<100		<100	<100			<100				<100
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg			3750.0				<200								<200		<10	<200			<100				<200
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg			2910000.0	6430.0			2180.0				<100	<10		<200	<200		<10	<200		114.0	306.0		<10	73.8	<200
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg															<1000					<50					
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg															<1000					<50					
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg															<1000					<50					
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg															<1000					<50					
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg															<1000					<50					
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg															<1000					<50					
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg															<1000					<50					
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			1380.0	410.0			<500				197.0	140.0		<16	176.0		<100	244.0		112.0	436.0		<16	<160	1240.0
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg			2690.0	1370.0			<500				1580.0	641.0		47.8	3780.0		<100	1120.0		442.0	2560.0		<15	860.0	7320.0
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg			<1000	246.0			<500				555.0	272.0		<24	1730.0		<100	<100		121.0	408.0		<24	350.0	3660.0
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg			<1000	177.0			<500				524.0	272.0		<18	1750.0		<100	390.0		87.1	488.0		<18	263.0	3150.0
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg			<1000	461.0			<500				808.0	461.0		29.8	2700.0		<100	494.0		196.0	693.0		<15	588.0	4910.0
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<1000	1690.0			<500				1870.0	722.0		43.8	4250.0		<100	1300.0		544.0	3630.0		<17	862.0	10100.0

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Hole Ref	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW204	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-LW201	AEC18-LF-LW201	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202
					Sample Top	0.35	4.70	6.40	0.50	0.30	3.40	6.40	9.50	1.70	10.20	5.00	0.55	3.70	7.60	1.50	11.70	3.60	6.80	13.70	3.20	0.30	10.10	6.50	7.60
					Sample Ref	1	3	4	2	1	4	5	6	1	6	3	2	5	7	4	10	5	7	8	4	1	7	4	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		<1000	178.0			<500				336.0	169.0		<14	924.0		<100	494.0		92.5	547.0		<14	<140	2080.0
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		3610.0	38.0			<12				85.4	21.7		<12	<100		<100	<100		<12	<100		<12	<120	<120
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		<1000	483.0			<500				713.0	308.0		24.8	985.0		<10	624.0		144.0	768.0		<10	495.0	3000.0
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg		<1000	335.0			<500				741.0	379.0		22.0	1340.0		<100	507.0		142.0	795.0		<15	355.0	4530.0
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg		<1000	60.6			<23				<115	52.0		<23	<100		<100	<100		<23	<100		<23	<230	518.0
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg		<1000	465.0			<500				701.0	358.0		20.8	956.0		<100	663.0		132.0	898.0		<14	397.0	2940.0
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		7080.0	2540.0			736.0				77.2	31.2		<8	<100		<100	<100		170.0	290.0		<8	<80	1360.0
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg		3710.0	2460.0			1270.0				881.0	219.0		37.4	603.0		<100	506.0		470.0	1450.0		<15	723.0	2440.0
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<1000	1420.0			<500				103.0	25.0		<10	<100		<10	<100		138.0	323.0		<10	151.0	633.0
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg		285000.0	1810.0			892.0				60.7	21.5		<9	<100		<100	<100		62.5	<100		<9	<90	<260
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.015	0.8	0.1	<0.015	<0.015	0.4	<0.75	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015		<0.015	<0.015	<0.015	<0.015	<0.015	0.0	<0.075
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.01	7.7	0.1	<0.01	<0.01	2.4	0.9	0.0	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01		0.0	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.05
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg														<0.02					<0.02					
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg		<200	<10			<200				<100				<200		<10	<200			<100				<200
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<50							<10				<10		<10	<10			<10				<10
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg			<50							11.7				<10		<10	<10			<10				<10
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg			9840.0							956.0				315.0		<10	884.0			3960.0				403.0
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg			6210.0							1580.0				434.0		<10	1300.0			3540.0				304.0
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg		2750000.0	9790.0							1360.0				2790.0		<100	3750.0			72700.0				20100.0
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		485000.0	39600.0							21600.0				33800.0		<100	57000.0			143000.0				103000.0
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg		1770000.0	186000.0							111000.0				325000.0		<100	577000.0			366000.0				870000.0
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg		266000.0	57300.0							40800.0				98500.0		<100	66100.0			81200.0				381000.0
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg			<50							31.2				23.5		<10	24.7			29.1				46.4
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg			636.0							156.0				82.3		<10	120.0			557.0				274.0
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg			14800.0							1430.0				472.0		<10	1320.0			5940.0				603.0
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg			9310.0							2370.0				651.0		<10	1960.0			5310.0				454.0
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg		2230000.0	15400.0							1380.0				13100.0		<100	12700.0			819000.0				5360.0
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		1250000.0	59500.0							11500.0				35300.0		<100	81600.0			174000.0				63700.0
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		2550000.0	266000.0							103000.0				306000.0		<100	426000.0			290000.0				740000.0
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		396000.0	48500.0							23600.0				75700.0		<100	71900.0			63500.0				250000.0
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg														<0.3										
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg														0.2										
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg		<1000				<500								<100		<100	<100			<100				<100
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg		<1000				<500								<100		<100	<100			<100				<100
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<1000				<500								<100		<100	<100			<100				<100
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg		<1000				<500								<100		<100	<100			<100				<100

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW205	AEC18-LF-LW205	PFCP20	PFCP35A	PFCP47	PFCP56	PFCP60	PFCP61	PFCPRC01	PFCPRC04	PFCPRC04	PFCPRC10	PFCPRC12	PFCPRC15	PFCPRC16	PFCPRC17	PFCPRC17	PFCPRC21
						Sample Top	1.00	10.00	4.70	1.70	12.20	7.80	1.60	4.50	0.70	5.80	0.50	0.60	0.30	0.50	1.00	0.60	3.50	0.30	0.80	1.00	0.50	0.70	4.00	1.00
						Sample Ref	2	6	4	3	9	6	4	7	2	7	2	2	1	2	2	2	6	1	2	3	2	2	5	2
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg										<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg										<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg										<0.02	<0.02	<0.02	<0.02	0.2	0.1	0.2	0.2	0.2	<0.02	<0.02	0.0	<0.02	<0.02	0.1	0.1
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg										<0.07	<0.07	<0.07	<0.07	1.3	0.5	2.3	1.2	1.1	<0.07	0.1	0.2	<0.07	<0.07	0.6	0.4
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg										<0.05	<0.05	<0.05	<0.05	0.4	0.3	0.9	0.3	0.2	<0.05	<0.05	0.2	<0.05	<0.05	0.5	0.3
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg										<0.03	<0.03	<0.03	<0.03	0.5	0.4	1.0	0.4	0.3	<0.03	<0.03	0.2	0.1	<0.03	0.5	0.3
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg										<0.05	<0.05	<0.05	<0.05	0.7	0.4	1.3	0.6	0.6	<0.05	<0.05	0.2	<0.05	<0.05	0.4	0.3
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg										<0.08	<0.08	<0.08	<0.08	1.3	0.5	2.2	1.7	1.2	<0.08	0.1	0.3	<0.08	<0.08	0.7	0.4
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg										<0.07	<0.07	<0.07	<0.07	0.3	0.2	0.4	0.2	0.2	<0.07	<0.07	0.1	<0.07	<0.07	0.1	<0.07
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg										<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.0	0.0	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg										<0.06	<0.06	<0.06	<0.06	0.6	0.3	1.2	0.6	0.6	<0.06	<0.06	0.2	<0.06	<0.06	0.4	0.3
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg										<0.04	<0.04	<0.04	<0.04	0.6	0.4	1.2	0.5	0.5	<0.04	<0.04	0.2	<0.04	<0.04	0.4	0.3
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg										<0.04	<0.04	<0.04	<0.04	0.1	0.1	0.2	0.1	0.1	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	<0.04
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg										<0.04	<0.04	<0.04	<0.04	0.6	0.3	1.0	0.4	0.6	<0.04	<0.04	0.2	<0.04	<0.04	0.3	0.3
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg	<1	<1	4.2	<1	<1	<1	<1	<1																	
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg										<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg	15.3	36.5	160.0	24.2	14.5	749.0	46.1	489.0	7.0	43.0	31.0	4.0	21.0	215.0	27.0	51.0	27.0	32.0	33.0	105.0	25.0	6.0	405.0	52.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.14	<0.14	<0.14	<0.14	<0.14	<1.4	<0.14	<0.14	0.5	<0.17	<0.17	0.6	<0.17	0.7	0.2	<0.17	0.3	<0.17	0.8	1.3	<0.17	0.4	5.1	0.6
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg	22.8	13.0	27.9	32.9	22.7	206.0	31.3	46.3	4.0	24.0	53.0	4.0	19.0	40.0	16.0	21.0	27.0	11.0	66.0	24.0	7.0	6.0	67.0	9.0
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.6	<0.6	2.7	<0.6	<0.6	41.5	<0.6	4.1																	
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg	18.4	8.2	15.6	9.8	17.4	43.0	15.0	27.7	<1	5.0	3.0	<1	15.0	17.0	8.0	10.0	8.0	5.0	3.0	8.0	4.0	<1	11.0	2.0
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg	0.7	0.4	1.2	2.0	1.3	<0.1	1.0	2.7	<1	1.0	2.0	<1	1.0	4.0	1.0	1.0	1.0	1.0	<1	1.0	<1	<1	<1	<1
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg	<1	2.2	4.3	1.4	<1	2.2	1.3	3.3	<1.0	1.6	<1.0	<1.0	1.3	12.0	1.5	1.1	2.6	<1.0	<1.0	7.1	<1.0	<1.0	2.3	<1.0
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg	<0.02	0.1	0.5	0.2	<0.02	4.9	0.2	0.5	<0.5	2.1	2.2	<0.5	0.6	1.4	0.6	1.9	1.8	1.1	1.4	1.5	0.7	<0.5	8.3	<0.5
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg	6.4	4.2	17.3	22.6	38.3	2260.0	20.8	12.2	5.0	25.0	45.0	4.0	27.0	32.0	33.0	29.0	32.0	13.0	84.0	27.0	18.0	6.0	210.0	10.0
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg	10.4	22.3	165.0	23.5	20.5	395.0	48.1	54.3	7.0	21.0	24.0	4.0	16.0	147.0	22.0	20.0	19.0	21.0	112.0	38.0	4.0	8.0	312.0	17.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	35.4	11.9	35.8	45.4	67.9	24.1	61.8	42.3																	
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg	60.8	88.9	380.0	95.2	49.6	1530.0	98.7	275.0	22.0	127.0	84.0	20.0	56.0	332.0	54.0	64.0	67.0	70.0	90.0	135.0	25.0	33.0	1680.0	64.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	1.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.0	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg									<0.01	<0.01	<0.01	<0.01	0.1	<0.01	0.2	0.7	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg									<0.03	<0.03	<0.03	<0.03	0.7	0.2	0.9	1.6	0.5	<0.03	0.1	0.1	<0.03	<0.03	0.4	0.2
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg									<0.01	<0.01	<0.01	<0.01	0.1	0.0	0.1	0.5	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg									<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.2	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	<0.035	<0.035	0.1	<0.035	<0.035	2.8	<0.035	<0.035																	
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg									<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg									<0.1	<0.1	<0.1	<0.1	2.2	2.0	1.9	27.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg									<0.1	<0.1	<0.1	<0.1	4.1	3.2	5.5	88.3	1.6	<0.1	<0.1	<0.1	<0.1	<0.1	0.4	<0.1
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg									<0.1	<0.1	<0.1	<0.1	2.9	5.0	8.4	236.0	12.5	<0.1	<0.1	<0.1	<0.1	<0.1	0.4	<0.1
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg									<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg									<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	24.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg									<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	103.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg									<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	584.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW205	AEC18-LF-LW205	PFCP20	PFCP35A	PFCP47	PFCP56	PFCP60	PFCP61	PFCPRC01	PFCPRC04	PFCPRC04	PFCPRC10	PFCPRC12	PFCPRC15	PFCPRC16	PFCPRC17	PFCPRC17	PFCPRC21
						Sample Top	1.00	10.00	4.70	1.70	12.20	7.80	1.60	4.50	0.70	5.80	0.50	0.60	0.30	0.50	1.00	0.60	3.50	0.30	0.80	1.00	0.50	0.70	4.00	1.00
						Sample Ref	2	6	4	3	9	6	4	7	2	7	2	2	1	2	2	2	6	1	2	3	2	2	5	2
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	**3860**	**Commercial**	**mg/kg**	**0**	mg/kg																									
n-Butylbenzene	**26.598**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4-Dimethylphenol	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
3/4 Methylphenol	**46000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,4-Dichlorobenzene	**4220**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,2-Dichloroethane	**0.671**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,3,5-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Bromobenzene	**91.5**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chlorobenzene	**55.6**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Phenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01																
Bis(2-chloroethoxy)methane	**0.956**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Bis(2-ethylhexyl)phthalate	**16600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Di-N-Octyl Phthalate	**20000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Hexachlorobenzene (HCB)	**28.9**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trichlorobenzene	**215**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4-Dichlorophenol	**977**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2,4-Dinitrotoluene	**928**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Dibromochloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Tetrachloroethene	**18.6**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Dimethylphthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Dibenzofuran	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Sec-Butylbenzene	**26.6**	**Commercial**	**mg/kg**	**0**	mg/kg																									
cis-1,2-Dichloroethene	**13.6**	**Commercial**	**mg/kg**	**0**	mg/kg																									
trans-1,2-Dichloroethene	**20.7**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Methyl tert-butyl ether (MTBE)	**7480**	**Commercial**	**mg/kg**	**0**	mg/kg										<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,3-Dichlorobenzene	**29.9**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Tetrachloromethane (Carbon Tetra Chloride)	**2.87**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,3,4,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Chloro-3-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2,6-Dinitrotoluene	**468**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,1,1,2-Tetrachloroethane	**108**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chloroform	**99.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,1,1-Trichloroethane	**660**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chloroethene	**0.0594**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Tribromomethane	**714**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Bromodichloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,1-Dichloroethane	**263**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,1-Dichloroethene	**24.3**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,2-Dichloropropane	**3.13**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,1,2-Trichloroethane	**89.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Trichloroethene	**1.23**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Diethylphthalate	**89300**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Di-N-Butyl Phthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Butylbenzylphthalate	**254000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Carbazole	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,3 Trichlorobenzene	**102**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Hexachlorobutadiene (HCBD)	**30.7**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Pentachlorophenol (PCP)	**113**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2,4,6-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2-Methylnaphthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chloronaphthalene	**370**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,3,5,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW205	AEC18-LF-LW205	PFCP20	PFCP35A	PFCP47	PFCP56	PFCP60	PFCP61	PFCPRC01	PFCPRC04	PFCPRC04	PFCPRC10	PFCPRC12	PFCPRC15	PFCPRC16	PFCPRC17	PFCPRC17	PFCPRC21
					Hole Ref																								
					Sample Top	1.00	10.00	4.70	1.70	12.20	7.80	1.60	4.50	0.70	5.80	0.50	0.60	0.30	0.50	1.00	0.60	3.50	0.30	0.80	1.00	0.50	0.70	4.00	1.00
					Sample Ref	2	6	4	3	9	6	4	7	2	7	2	2	1	2	2	2	6	1	2	3	2	2	5	2
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01		<0.01																				
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg				<0.6				<0.6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		<100		<100																
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg		18.2	363.0	<4	<4	232.0	<4	<80																
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg				<10		<200		<200																
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg				<10		4580.0		<200																
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg				<11		<220		<220																
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		<100		<100																
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		<100		<100																
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg				<100		<100		<100																
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg				<5		<100		<100																
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg				<8		19100.0		<160																
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg				<10		<200		<200																
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg		<7	<140	<7	<7	<140	<7	<140																
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg				<5		<100		<100																
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		768.0		<100																
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg				<100		1890.0		<100																
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		13300.0		<100																
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		3010.0		<100																
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg		<50		<100		<100		<100																
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg				<100		<100		<100																
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		2060.0		<100																
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		<100		<100																
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg				<10		<200		<200																
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg				<5		<100		<100																
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		<100		<100																
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg				<100		832.0		<100																
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg				<10		6410.0		<200																
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg				<6		<120		<120																
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg				<10		<200		<200																
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg				<100		<100		<100																
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg				<10		<200		<200																
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		<100		<100																
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		<100		<100																
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg				<10		<200		<200																
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg				<8		<160		<160																
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg				<100		<100		<100																
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg		<9	<180	<9	<9	<180	<9	<180																
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg				<7		<140		<140																
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg									51.0	1180.0	84.0	77.0	67.0	919.0	89.0	94.0	134.0	88.0	363.0	1310.0	37.0	156.0	2160.0	925.0
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg				<7		<140		<140																
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg				<10		<200		<200																

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW205	AEC18-LF-LW205	PFCP20	PFCP35A	PFCP47	PFCP56	PFCP60	PFCP61	PFCPRC01	PFCPRC04	PFCPRC04	PFCPRC10	PFCPRC12	PFCPRC15	PFCPRC16	PFCPRC17	PFCPRC17	PFCPRC21
						Sample Top	1.00	10.00	4.70	1.70	12.20	7.80	1.60	4.50	0.70	5.80	0.50	0.60	0.30	0.50	1.00	0.60	3.50	0.30	0.80	1.00	0.50	0.70	4.00	1.00
						Sample Ref	2	6	4	3	9	6	4	7	2	7	2	2	1	2	2	2	6	1	2	3	2	2	5	2
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg					<6		<120		<120															
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg					<10		341.0		<200															
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg					<7		935.0		<140															
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg					<10		<200		<200															
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg					<7		<140		<140															
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg					<8		<160		<160															
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg					<10		<200		<200															
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg					<100		3120.0		<100															
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg					<10		<200		<200															
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg					<10		<200		<200															
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg					<9		<180		<180															
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg					<10		<200		<200															
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg					<100		<100		<100															
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg					<100		12900.0		<100															
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg					<100		<100		<100															
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg					<100		<100		<100															
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg					<20		<400		<400															
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg					<100		<100		<100															
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg					<100		<100		<100															
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg					<100		<100		<100															
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg					<100		3390.0		<100															
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg					<100		7900.0		<100															
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg					<100		<100		<100															
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<200		<10	<10	1680.0	<10	<200															
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg					<100		<100		<100															
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg					<10		<100		<100															
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg					<100		<100		<100															
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg					<9		58900.0		<180															
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg					<100		<100		<100															
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg					<5		2110.0		<100															
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg					<100		<100		<100															
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg					<10		7540.0		<200															
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg		105.0	876.0		<10	<10	3090.0	<10	<200															
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg										<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg										<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<50			<50																			
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<50			<50																			
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<50			<50																			
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		<50			<50																			
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<50			<50																			
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<50			<50																			
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		<50			<50																			
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		26.7	163.0		<100	<16	816.0	77.6	<100															
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		123.0	901.0		<100	<15	1820.0	970.0	165.0															
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		52.6	404.0		<100	<24	<100	296.0	<100															
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		45.7	334.0		<100	<18	<100	295.0	<100															
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg		80.0	881.0		<100	<15	<100	488.0	<100															
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg		140.0	1060.0		<100	<17	1530.0	1030.0	165.0															

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW205	AEC18-LF-LW205	PFCP20	PFCP35A	PFCP47	PFCP56	PFCP60	PFCP61	PFCPRC01	PFCPRC04	PFCPRC04	PFCPRC10	PFCPRC12	PFCPRC15	PFCPRC16	PFCPRC17	PFCPRC17	PFCPRC21
						Sample Top	1.00	10.00	4.70	1.70	12.20	7.80	1.60	4.50	0.70	5.80	0.50	0.60	0.30	0.50	1.00	0.60	3.50	0.30	0.80	1.00	0.50	0.70	4.00	1.00
						Sample Ref	2	6	4	3	9	6	4	7	2	7	2	2	1	2	2	2	6	1	2	3	2	2	5	2
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		30.8	282.0	<100	<14	<100	212.0	<100																	
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<12	81.1	<100	<12	<12	<12	<100																	
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		44.7	495.0	<100	<10	<10	404.0	<100																	
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg		65.9	585.0	<100	<15	<100	488.0	<100																	
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg		<23	84.3	<100	<23	<100	74.9	<100																	
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg		59.0	588.0	<100	<14	<14	503.0	<100																	
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		15.2	125.0	<100	<8	936.0	18.7	<100																	
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg		101.0	585.0	<100	<15	12900.0	251.0	<100																	
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		19.7	163.0	<10	<10	1410.0	12.2	<10																	
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg		21.8	549.0	<100	<9	<260	<9	<100																	
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.015	<0.015	0.1	<0.015	<0.015	2.8	<0.015	<0.015																	
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.01	<0.01	0.0	<0.01	<0.01	<0.05	<0.01	<0.01																	
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.02		<0.02																					
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg				<10	<10	<200	<10	<200																	
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg				<10	<10	<200	<10																		
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg				<10	<10	<200	<10																		
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg				85.2	<10	279000.0	<10																		
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg				61.1	<10	434000.0	<10																		
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100	<100	710000.0	<100																		
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg				3250.0	<100	2640000.0	3460.0																		
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg				18200.0	2640.0	10500000.0	22800.0																		
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg				5170.0	<100	1900000.0	15200.0																		
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg				<10	<10	582.0	<10																		
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg				46.9	<10	9590.0	<10																		
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg				128.0	<10	418000.0	<10																		
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg				92.3	<10	652000.0	<10																		
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg				376.0	<100	6020000.0	<100																		
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				2180.0	<100	9660000.0	1960.0																		
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				12400.0	2530.0	69700000.0	12700.0																		
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				3970.0	<100	8400000.0	7960.0																		
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		<100		<100																	
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		<100		<100																	
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		592.0		<100																	
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg				<100		<100		<100																	

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	PFCPRC22	PFCPRC22	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC24	PFCPRC24	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC26	PFCPRC26	PFCPRC26	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC29	PFCPRC29
						Sample Top	0.40	6.70	13.00	13.40	2.00	6.00	1.00	15.00	1.00	12.00	4.00	6.00	0.60	12.00	6.00	0.60	2.00	8.00	1.00	11.00	14.80	9.00	0.70	4.00
						Sample Ref	2	8	15	16	4	8	4	7	3	14	6	8	2	15	9	3	6	12	3	13	17	11	2	6
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.2	<0.02	<0.02	<0.02	0.0	<0.05	<0.02	<0.02	0.6	0.0	0.0	0.0	<0.02	<0.02	<0.02	0.0	<0.02
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.7	0.3	0.2	0.6	0.2	0.2	0.9	2.3	<0.07	<0.07	0.1	0.1	0.4	<0.07	<0.07	2.0	0.2	0.2	0.4	<0.07	0.1	0.1	0.4	0.1
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		0.3	0.1	<0.05	0.3	0.1	<0.05	0.2	1.5	<0.05	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	1.3	0.1	<0.05	0.2	<0.05	0.1	<0.05	0.2	<0.05
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		0.4	0.1	0.0	0.3	0.1	0.1	0.2	1.5	<0.03	<0.03	0.1	<0.03	0.1	<0.03	<0.03	1.4	0.1	0.1	0.2	<0.03	0.1	0.1	0.2	<0.03
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg		0.5	0.2	0.1	0.5	0.1	0.1	0.4	1.8	<0.05	<0.05	0.1	<0.05	0.2	<0.05	<0.05	1.4	0.1	0.1	0.3	<0.05	0.1	<0.05	0.3	<0.05
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.9	0.4	0.2	0.6	0.2	0.2	0.4	2.6	<0.08	<0.08	0.1	0.1	0.4	<0.08	<0.08	2.4	0.2	0.2	0.4	<0.08	0.1	0.1	0.4	0.1
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		0.2	<0.07	<0.07	0.3	<0.07	<0.07	0.2	0.6	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.9	0.1	<0.07	0.1	<0.07	<0.07	<0.07	0.2	<0.07
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.0	<0.01	<0.01	0.0	<0.01	<0.01	0.0	0.0	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		0.5	0.2	<0.06	0.4	0.1	0.1	0.4	1.2	<0.06	<0.06	0.1	0.1	0.3	<0.06	<0.06	1.4	0.2	0.1	0.3	<0.06	0.1	0.1	0.3	<0.06
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg		0.5	0.2	<0.04	0.4	0.1	0.1	0.3	1.4	<0.04	<0.04	<0.04	<0.04	0.2	<0.04	<0.04	1.5	0.1	0.1	0.2	<0.04	0.1	<0.04	0.2	<0.04
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg		0.1	<0.04	<0.04	0.0	<0.04	<0.04	<0.04	0.2	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.40	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.4	0.2	0.1	0.3	0.1	0.1	0.2	1.1	<0.04	<0.04	0.1	0.1	0.2	<0.04	<0.04	1.3	0.1	0.1	0.2	<0.04	0.1	0.1	0.2	<0.04
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg																									
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		31.0	13.0	20.0	40.0	34.0	12.0	31.0	241.0	23.0	33.0	38.0	44.0	20.0	8.0	31.0	53.0	22.0	36.0	32.0	35.0	431.0	25.0	39.0	31.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.9	0.8	0.6	0.3	0.8	0.9	0.7	1.9	<0.17	0.4	0.6	0.5	<0.17	0.6	0.5	0.4	1.0	1.0	1.1	1.3	5.3	0.7	0.6	0.8
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		49.0	9.0	19.0	28.0	11.0	7.0	11.0	50.0	18.0	16.0	23.0	31.0	19.0	8.0	13.0	18.0	9.0	23.0	11.0	15.0	67.0	14.0	16.0	9.0
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		4.0	<1	3.0	7.0	2.0	<1	3.0	12.0	5.0	3.0	3.0	4.0	7.0	<1	2.0	2.0	2.0	3.0	3.0	3.0	11.0	4.0	5.0	<1
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		<1	<1	<1	1.0	<1	<1	1.0	2.0	1.0	<1	<1	1.0	1.0	<1	<1	1.0	<1	<1	<1	<1	1.0	<1	1.0	<1
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1.0	<1.0	1.7	5.0	<1.0	<1.0	<1.0	4.8	<1.0	2.3	1.2	2.2	2.4	2.0	1.6	<1.0	<1.0	1.1	<1.0	1.8	15.8	1.1	<1.0	<1.0
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		1.0	<0.5	0.6	<0.5	0.8	<0.5	<0.5	2.9	2.2	0.9	0.7	1.0	2.2	<0.5	0.8	<0.5	<0.5	<0.5	1.1	0.8	10.6	1.0	1.5	0.6
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		20.0	8.0	15.0	29.0	13.0	6.0	13.0	55.0	41.0	11.0	21.0	24.0	36.0	7.0	14.0	26.0	12.0	24.0	14.0	14.0	114.0	12.0	21.0	10.0
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		20.0	20.0	46.0	27.0	21.0	7.0	18.0	121.0	13.0	32.0	32.0	39.0	12.0	7.0	27.0	28.0	35.0	46.0	30.0	29.0	294.0	29.0	29.0	19.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		81.0	30.0	35.0	85.0	142.0	29.0	69.0	429.0	41.0	103.0	57.0	58.0	39.0	23.0	65.0	68.0	72.0	76.0	82.0	66.0	1040.0	45.0	77.0	68.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.0	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.1	<0.01	0.0	<0.01	<0.01	0.0	<0.01	0.1	<0.01	<0.01	0.0	0.0	0.1	<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.4	0.2	0.1	0.2	0.1	0.2	0.1	0.9	<0.03	<0.03	0.1	0.1	0.4	<0.03	<0.03	0.8	0.1	0.1	0.1	<0.03	0.1	0.1	0.2	0.1
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.0	0.0	0.0	<0.01	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	0.0	0.1	0.2	<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.1	<0.03	<0.03	<0.03	<0.03	0.1	<0.03	<0.03	<0.30	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	5.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.5	13.4	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg		1.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	4.4	<0.1	<0.1	<0.1	9.6	11.1	<0.1	<0.1	19.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg		4.6	<0.1	<0.1	0.3	<0.1	<0.1	0.4	31.9	<0.1	<0.1	<0.1	35.2	12.0	<0.1	<0.1	188.0	<0.1	0.6	<0.1	<0.1	<0.1	<0.1	1.9	<0.1
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.0	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.6	1.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	6.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	3.3	13.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	1.0	9.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	15.2	27.2	<0.1	<0.1	2.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	10.5	27.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	4.6	76.8	95.2	<0.1	<0.1	151.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	PFCPRC22	PFCPRC22	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC24	PFCPRC24	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC26	PFCPRC26	PFCPRC26	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC29	PFCPRC29
						Sample Top	0.40	6.70	13.00	13.40	2.00	6.00	1.00	15.00	1.00	12.00	4.00	6.00	0.60	12.00	6.00	0.60	2.00	8.00	1.00	11.00	14.80	9.00	0.70	4.00
						Sample Ref	2	8	15	16	4	8	4	7	3	14	6	8	2	15	9	3	6	12	3	13	17	11	2	6
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg																									
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg																									
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg																									
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg																									
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg																									
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg																									
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																									
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg																									
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg																									
Phenol	7600	POS PARK	mg/kg	0	mg/kg																									
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg																									
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg																									
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg																									
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg																									
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg																									
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg																									
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg																									
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg																									
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg																									
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg																									
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg																									
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg																									
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg																									
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg																									
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg																									
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg																									
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																									
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																									
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg																									
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg																									
Chloroform	99.1	Commercial	mg/kg	0	mg/kg																									
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg																									
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg																									
Tribromomethane	714	Commercial	mg/kg	0	mg/kg																									
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg																									
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg																									
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg																									
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg																									
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg																									
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg																									
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg																									
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg																									
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg																									
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg																									
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg																									
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg																									
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg																									
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																									
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg																									
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg																									
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg																									
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	PFCPRC22	PFCPRC22	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC24	PFCPRC24	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC26	PFCPRC26	PFCPRC26	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC29	PFCPRC29
						Sample Top	0.40	6.70	13.00	13.40	2.00	6.00	1.00	15.00	1.00	12.00	4.00	6.00	0.60	12.00	6.00	0.60	2.00	8.00	1.00	11.00	14.80	9.00	0.70	4.00
						Sample Ref	2	8	15	16	4	8	4	7	3	14	6	8	2	15	9	3	6	12	3	13	17	11	2	6
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg													<2	<2							<2	<2		
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg													<1	5.0							<1	<1		
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg																									
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg													<3	<3							<3	<3		
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg													<3	<3							<3	<3		
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg																									
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg																									
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg		563.0	125.0	156.0	506.0	585.0	98.0	482.0	2140.0	95.0	284.0	299.0	330.0	80.0	63.0	473.0	310.0	488.0	616.0	764.0	537.0	996.0	296.0	398.0	311.0
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg													<10	<10							<10	<10		
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg													<1	<1							<1	<1		

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	PFCPRC22	PFCPRC22	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC24	PFCPRC24	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC26	PFCPRC26	PFCPRC26	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC29	PFCPRC29
						Sample Top	0.40	6.70	13.00	13.40	2.00	6.00	1.00	15.00	1.00	12.00	4.00	6.00	0.60	12.00	6.00	0.60	2.00	8.00	1.00	11.00	14.80	9.00	0.70	4.00
						Sample Ref	2	8	15	16	4	8	4	7	3	14	6	8	2	15	9	3	6	12	3	13	17	11	2	6
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	59.4	Commercial	ug/kg	0	ug/kg													<1	<1							<1	<1		
Dichloromethane VOC	257000000	Commercial	ug/kg	0	ug/kg													<5	<5							<5	<5		
Carbon Disulphide	11000000	Commercial	ug/kg	0	ug/kg													1.0	<1							<1	<1		
Bromoform	714000	Commercial	ug/kg	0	ug/kg													<1	<1							<1	<1		
Bromodichloromethane	1960	Commercial	ug/kg	0	ug/kg													<10	<10							<10	<10		
1,1-Dichloroethane	263000	Commercial	ug/kg	0	ug/kg													<1	<1							<1	<1		
1,1-Dichloroethene	24300	Commercial	ug/kg	0	ug/kg													<1	<1							<1	<1		
Isophorone	26597881.1	Commercial	ug/kg	0	ug/kg																								
1,2-Dichloropropane	3130	Commercial	ug/kg	0	ug/kg													<1	<1							<1	<1		
1,1,2-Trichloroethane	89100	Commercial	ug/kg	0	ug/kg													<1	<1							<1	<1		
Trichloroethene	1230	Commercial	ug/kg	0	ug/kg													<1	<1							<1	<1		
1,1,2,2-Tetrachloroethane	274000000	Commercial	ug/kg	0	ug/kg													<1	<1							<1	<1		
Diethyl phthalate	89300000	POS PARK	ug/kg	0	ug/kg																								
n-Dibutylphthalate	2630000	POS PARK	ug/kg	0	ug/kg																								
Butylbenzyl phthalate SVOC	254000000	POS PARK	ug/kg	0	ug/kg																								
Carbazole	10800	POS PARK	ug/kg	2	ug/kg																								
1,2,3-Trichlorobenzene	102000	Commercial	ug/kg	0	ug/kg													<3	<3							<3	<3		
Hexachlorobutadiene	30700	Commercial	ug/kg	0	ug/kg													<1	<1							<1	<1		
Pentachlorophenol	113000	POS PARK	ug/kg	0	ug/kg																								
2,4,6-Trichlorophenol	1010000	POS PARK	ug/kg	0	ug/kg																								
2-Nitrophenol	7600000000	POS PARK	ug/kg	0	ug/kg																								
2-Methylnaphthalene (SVOC) DEFAULT	193000	Commercial	ug/kg	2	ug/kg																								
2-Chloronaphthalene	370000	Commercial	ug/kg	0	ug/kg																								
o-Xylene	6603100.7	Commercial	ug/kg	0	ug/kg													<1	<1							<1	<1		
2-Methylphenol	46100000	POS PARK	ug/kg	0	ug/kg																								
1,2-Dichlorobenzene	2020000	Commercial	ug/kg	0	ug/kg													<1	<1							<1	<1		
2-Chlorophenol	1010000	POS PARK	ug/kg	0	ug/kg																								
1,2,4-Trimethylbenzene	39400	Commercial	ug/kg	5	ug/kg													<1	<1							<1	<1		
2,4,5-Trichlorophenol	1010000	POS PARK	ug/kg	0	ug/kg																								
Isopropylbenzene	1300000	Commercial	ug/kg	0	ug/kg													<1	<1							<1	<1		
Nitrobenzene	26597881.1	Commercial	ug/kg	0	ug/kg																								
4-Isopropyltoluene	1300000	Commercial	ug/kg	0	ug/kg													<1	<1							<1	<1		
m & p Xylene	5923262.7	Commercial	ug/kg	0	ug/kg													<1	<1							<1	<1		
Aro >C8-C9	7220	POS PARK	mg/kg	0	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C9-C10	7220	POS PARK	mg/kg	0	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tributyltin SUBCON i2	42400000	POS PARK	ug/kg	0	ug/kg																								
Atrazine SUBCON Alcontrol	379000000	POS Maintenance	ug/kg	0	ug/kg																								
Aldrin SUBCON Alcontrol	7800000	POS PARK	ug/kg	0	ug/kg																								
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	46500000	POS PARK	ug/kg	0	ug/kg																								
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	13300000	POS PARK	ug/kg	0	ug/kg																								
Endosulphan II	1960000000	POS Maintenance	ug/kg	0	ug/kg																								
Dieldrin SUBCON Alcontrol	12900000	POS PARK	ug/kg	0	ug/kg																								
Dichlorvos	26000000	POS PARK	ug/kg	0	ug/kg																								
Endosulphan I	1950000000	POS Maintenance	ug/kg	0	ug/kg																								
Aro >C35-C44	7820	POS PARK	mg/kg	0	mg/kg																								
Ali >C35-C44	455000	POS PARK	mg/kg	0	mg/kg																								
Anthracene SVOC	149000000	POS PARK	ug/kg	0	ug/kg																								
Pyrene SVOC	15100000	POS PARK	ug/kg	0	ug/kg																								
Benzo(ghi)perylene SVOC	612000	POS Maintenance	ug/kg	0	ug/kg																								
Indeno(1,2,3-cd)pyrene SVOC	44000	POS Maintenance	ug/kg	1	ug/kg																								
Benzo(b)fluoranthene SVOC	13200	POS PARK	ug/kg	7	ug/kg																								
Fluoranthene SVOC	6300000	POS PARK	ug/kg	0	ug/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	PFCPRC22	PFCPRC22	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC24	PFCPRC24	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC26	PFCPRC26	PFCPRC26	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC29	PFCPRC29
						Sample Top	0.40	6.70	13.00	13.40	2.00	6.00	1.00	15.00	1.00	12.00	4.00	6.00	0.60	12.00	6.00	0.60	2.00	8.00	1.00	11.00	14.80	9.00	0.70	4.00
						Sample Ref	2	8	15	16	4	8	4	7	3	14	6	8	2	15	9	3	6	12	3	13	17	11	2	6
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Benzo(k)fluoranthene SVOC	114000	POS Maintenance	ug/kg	0	ug/kg																								
Acenaphthylene SVOC	28900000	POS PARK	ug/kg	0	ug/kg																								
Chrysene SVOC	91000	POS Maintenance	ug/kg	1	ug/kg																								
Benzo(a)pyrene SVOC	10800	POS PARK	ug/kg	8	ug/kg																								
Dibenzo(ah)anthracene SVOC	1150	POS PARK	ug/kg	10	ug/kg																								
Benzo(a)anthracene SVOC	48800	POS PARK	ug/kg	2	ug/kg																								
Acenaphthene SVOC	28900000	POS PARK	ug/kg	0	ug/kg																								
Phenanthrene SVOC	6170000	POS PARK	ug/kg	0	ug/kg																								
Fluorene SVOC	19600000	POS PARK	ug/kg	0	ug/kg																								
Naphthalene SVOC	193000	Commercial	ug/kg	1	ug/kg																								
Xylenols	9180	POS PARK	mg/kg	0	mg/kg																								
Cresols	46100	POS PARK	mg/kg	0	mg/kg																								
Tributyltin	42400	POS PARK	mg/kg	0	mg/kg																								
Methyl tert-butyl ether (MTBE)	7480000	Commercial	ug/kg	0	ug/kg																								
Aromatics >C6-7	27000000	Commercial	ug/kg	0	ug/kg																								
Aromatics >C7-8	56293712.8	Commercial	ug/kg	0	ug/kg																								
Aromatics >C8-10	3460000	Commercial	ug/kg	0	ug/kg																								
Aromatics >C10-12	9240000	POS PARK	ug/kg	0	ug/kg																								
Aromatics >C12-16	10200000	POS PARK	ug/kg	0	ug/kg																								
Aromatics >C16-21	7630000	POS PARK	ug/kg	0	ug/kg																								
Aromatics >C21-35	7820000	POS PARK	ug/kg	1	ug/kg																								
Aromatics >C35-44	7820000	POS PARK	ug/kg	0	ug/kg																								
Aliphatics >C5-6	3190000	Commercial	ug/kg	0	ug/kg																								
Aliphatics >C6-8	7780000	Commercial	ug/kg	0	ug/kg																								
Aliphatics >C8-10	2000000	Commercial	ug/kg	1	ug/kg																								
Aliphatics >C10-12	9690000	Commercial	ug/kg	0	ug/kg																								
Aliphatics >C12-16	24700000	POS PARK	ug/kg	0	ug/kg																								
Aliphatics >C16-21	455000000	POS PARK	ug/kg	0	ug/kg																								
Aliphatics >C21-35	455000000	POS PARK	ug/kg	0	ug/kg																								
Aliphatics >C35-44	455000000	POS PARK	ug/kg	0	ug/kg																								
Trivalent Chromium	33000	POS PARK	mg/kg	0	mg/kg																								
Molybdenum	2890	POS PARK	mg/kg	0	mg/kg																								
4-Nitroaniline	10800	POS PARK	ug/kg	0	ug/kg																								
Azobenzene	10800	POS PARK	ug/kg	0	ug/kg																								
4-Chloroaniline	10800000	POS PARK	ug/kg	0	ug/kg																								
2-Nitroaniline	10800	POS PARK	ug/kg	0	ug/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	PFCPRC29	PFCPRC37	PFCPRC37	PFCPRC37	PFCPRC37	PFCPRC37	PFCPRC38 (SP)	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC41	PFCPRC41	PFCPRC41	PFCPRC41 A (SP)	PFCPRC42 (SP)	PFCPRC42 (SP)	PFCPRC43 (SP)	PFCPRC43 (SP)
						Sample Top	7.00	1.00	10.00	3.00	6.00	8.00	0.70	0.60	3.00	4.00	9.00	0.60	14.50	2.00	4.70	9.70	3.50	6.80	9.50	15.50	0.90	4.00	0.50	1.80
						Sample Ref	9	3	12	5	8	10	3	3	6	7	12	2	16	4	7	11	7	10	14	4	3	7	2	4
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	0.1	<0.05	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.02	0.0	<0.02	<0.02	1.0	<0.02	0.1	<0.02	0.1		0.6	<0.02	<0.02	0.9	3.6	4.7	2.3	0.1	0.1	0.1	0.0	1.2	<0.02	<0.02
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.07	0.3	<0.07	<0.07	5.2	<0.07	0.7	<0.07	0.8		4.7	0.1	<0.07	3.6	12.0	15.6	7.6	1.6	1.1	0.3	0.2	4.1	<0.07	<0.07
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.05	0.2	<0.05	<0.05	0.8	<0.05	0.4	<0.05	0.2		0.7	<0.05	<0.05	0.8	1.8	1.7	1.0	0.4	0.5	0.1	0.1	0.8	<0.05	<0.05
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.03	0.2	<0.03	<0.03	1.2	<0.03	0.4	<0.03	0.2		0.8	0.0	<0.03	0.9	2.2	2.0	1.2	0.4	0.6	0.1	0.1	0.9	<0.03	<0.03
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg		<0.05	0.3	<0.05	<0.05	1.9	<0.05	0.7	<0.05	0.4		1.9	0.1	<0.05	2.3	4.5	4.3	2.7	0.8	1.1	0.2	0.2	1.8	<0.05	<0.05
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.08	0.4	<0.08	<0.08	6.3	<0.08	0.8	<0.08	1.2		5.5	0.1	<0.08	4.6	15.9	15.8	10.3	1.2	1.3	0.4	0.3	5.6	<0.08	<0.08
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.07	0.1	<0.07	<0.07	0.7	<0.07	0.3	<0.07	0.2		0.7	<0.07	<0.07	0.8	1.8	2.0	1.0	0.3	0.4	<0.07	<0.07	0.7	<0.07	<0.07
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	0.1	<0.01	0.0	<0.01	<0.01		0.0	<0.01	<0.01	0.1	0.8	0.2	0.1	0.0	0.0	<0.01	<0.01	0.0	<0.01	<0.01
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.06	0.3	<0.06	<0.06	2.5	<0.06	0.4	<0.06	0.3		1.8	<0.06	<0.06	1.7	4.5	6.1	2.5	0.6	0.7	0.1	0.1	1.5	<0.06	<0.06
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg		<0.04	0.2	<0.04	<0.04	1.6	<0.04	0.5	<0.04	0.3		1.3	0.1	<0.04	1.7	3.2	3.2	2.0	0.4	0.7	0.1	0.1	1.2	<0.04	<0.04
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg		<0.04	<0.04	<0.04	<0.04	0.2	<0.04	0.1	<0.04	<0.04		0.2	<0.04	<0.04	0.2	0.5	0.4	0.2	0.1	0.1	<0.04	<0.04	0.2	<0.04	<0.04
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.04	0.2	<0.04	<0.04	2.7	<0.04	0.4	<0.04	0.3		1.8	0.1	<0.04	1.8	6.2	8.2	2.8	0.5	0.7	0.1	0.1	1.7	<0.04	<0.04
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg																									
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		4.0	130.0	16.0	40.0	159.0	24.0	327.0	15.0	35.0		18.0	18.0	29.0	54.0	255.0	310.0	362.0	163.0	169.0	22.0	30.0	171.0	6.0	38.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.7	0.2	<0.17	<0.17	1.6	<0.17	0.6	0.6	1.1		0.5	0.6	<0.17	0.2	0.7	0.7	0.4	0.3	0.2	<0.17	0.3	1.1	0.3	0.5
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		3.0	28.0	63.0	27.0	38.0	31.0	17.0	22.0	9.0		26.0	8.0	28.0	30.0	85.0	200.0	41.0	29.0	41.0	46.0	26.0	78.0	9.0	12.0
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	12.0	2.0	11.0	20.0	10.0	8.0	3.0	2.0		6.0	4.0	5.0	8.0	13.0	12.0	12.0	11.0	14.0	5.0	10.0	14.0	3.0	1.0
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		<1	1.0	2.0	1.0	1.0	2.0	1.0	1.0	<1		1.0	<1	1.0	1.0	1.0	2.0	1.0	1.0	1.0	2.0	1.0	1.0	<1	<1
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1.0	1.6	1.8	1.0	2.0	2.5	1.1	1.5	1.4		4.5	1.2	2.8	1.7	3.5	5.4	5.2	2.8	5.2	14.3	2.4	4.4	<1.0	<1.0
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.5	2.5	3.4	2.5	3.7	2.8	1.9	1.5	0.7		1.8	0.8	2.7	1.9	6.3	10.1	3.6	3.1	3.8	2.7	2.3	7.0	<0.5	<0.5
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		5.0	34.0	56.0	42.0	46.0	54.0	24.0	25.0	15.0		26.0	8.0	26.0	35.0	93.0	152.0	32.0	32.0	42.0	36.0	26.0	79.0	9.0	7.0
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		3.0	30.0	27.0	21.0	94.0	15.0	26.0	10.0	29.0		16.0	11.0	10.0	127.0	220.0	109.0	85.0	66.0	76.0	22.0	16.0	158.0	6.0	20.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		16.0	155.0	131.0	129.0	339.0	75.0	156.0	48.0	92.0		68.0	37.0	74.0	89.0	644.0	1820.0	386.0	290.0	214.0	106.0	73.0	1440.0	24.0	44.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	2.0	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	0.0	<0.01	<0.01	0.8	<0.01	0.0	<0.01	0.2		0.2	<0.01	<0.01	0.2	1.5	4.2	3.7	0.1	0.1	0.0	0.0	1.5	<0.01	<0.01
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.03	0.2	<0.03	<0.03	3.8	<0.03	0.2	<0.03	0.5		3.0	0.0	<0.03	1.7	15.4	16.1	11.4	0.5	0.3	0.2	0.1	5.0	0.0	<0.03
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	0.8	<0.01	0.0	<0.01	0.1		0.4	<0.01	<0.01	0.3	2.6	4.9	3.5	0.1	0.1	0.1	0.0	1.5	<0.01	<0.01
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.03	<0.03	<0.03	<0.03	1.7	<0.03	<0.03	<0.03	<0.03		0.1	<0.03	<0.03	0.2	1.1	0.5	3.8	0.0	<0.03	<0.03	<0.03	0.9	<0.03	<0.03
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1	<0.1	34.2	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	1.7	7.1	5.2	<0.1	<0.1	<0.1	<0.1	12.1	<0.1	<0.1
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1	<0.1	10.0	<0.1	<0.1	<0.1	<0.1		0.4	<0.1	<0.1	1.9	6.8	59.9	7.4	<0.1	<0.1	<0.1	<0.1	19.6	<0.1	<0.1
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	1.7	<0.1	<0.1	30.6	<0.1	1.2	<0.1	<0.1		10.5	<0.1	<0.1	19.3	152.0	259.0	16.5	0.7	2.5	5.4	<0.1	38.0	<0.1	<0.1
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	7.1	<0.1	<0.1	92.4	<0.1	0.4	<0.1	2.0		22.3	<0.1	2.7	40.0	891.0	583.0	40.5	1.2	6.3	7.5	<0.1	80.1	<0.1	<0.1
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	0.5	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01		0.0	<0.01	<0.01	<0.01	2.9	0.9	0.6	0.0	0.0	0.0	<0.01	0.2	<0.01	<0.01
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1	<0.1	19.9	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	19.8	15.1	5.9	<0.1	<0.1	<0.1	<0.1	28.0	<0.1	<0.1
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1	<0.1	11.4	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	97.3	116.0	0.9	<0.1	<0.1	<0.1	<0.1	33.0	<0.1	<0.1
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1	<0.1	33.6	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	478.0	578.0	3.9	<0.1	<0.1	<0.1	<0.1	45.7	<0.1	<0.1
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1	<0.1	214.0	<0.1	<0.1	<0.1	1.5		<0.1	<0.1	<0.1	<0.1	3250.0	1870.0	50.4	<0.1	<0.1	<0.1	<0.1	196.0	<0.1	<0.1
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	PFCPRC29	PFCPRC37	PFCPRC37	PFCPRC37	PFCPRC37	PFCPRC37	PFCPRC38 (SP)	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC41	PFCPRC41	PFCPRC41	PFCPRC41 A (SP)	PFCPRC42 (SP)	PFCPRC42 (SP)	PFCPRC43 (SP)	PFCPRC43 (SP)
						Sample Top	7.00	1.00	10.00	3.00	6.00	8.00	0.70	0.60	3.00	4.00	9.00	0.60	14.50	2.00	4.70	9.70	3.50	6.80	9.50	15.50	0.90	4.00	0.50	1.80
						Sample Ref	9	3	12	5	8	10	3	3	6	7	12	2	16	4	7	11	7	10	14	4	3	7	2	4
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg																								
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg																								
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg																								
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg																								
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg																								
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																								
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg																								
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg																								
Phenol	7600	POS PARK	mg/kg	0	mg/kg																								
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg																								
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg																								
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg																								
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg																								
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg																								
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg																								
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg																								
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg																								
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg																								
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg																								
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg																								
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg																								
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg																								
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg																								
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																								
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg																								
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg																								
Chloroform	99.1	Commercial	mg/kg	0	mg/kg																								
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg																								
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg																								
Tribromomethane	714	Commercial	mg/kg	0	mg/kg																								
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg																								
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg																								
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg																								
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg																								
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg																								
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg																								
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg																								
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg																								
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg																								
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																								
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg																								
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg																								
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg																								
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	PFCPRC29	PFCPRC37	PFCPRC37	PFCPRC37	PFCPRC37	PFCPRC37	PFCPRC38 (SP)	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC41	PFCPRC41	PFCPRC41	PFCPRC41 A (SP)	PFCPRC42 (SP)	PFCPRC42 (SP)	PFCPRC43 (SP)	PFCPRC43 (SP)
						Sample Top	7.00	1.00	10.00	3.00	6.00	8.00	0.70	0.60	3.00	4.00	9.00	0.60	14.50	2.00	4.70	9.70	3.50	6.80	9.50	15.50	0.90	4.00	0.50	1.80
						Sample Ref	9	3	12	5	8	10	3	3	6	7	12	2	16	4	7	11	7	10	14	4	3	7	2	4
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	0.0	0.1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	0.2	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	3.8	<0.05	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		14.0	<1									<1		18.0					12.0		
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		<1	<1									<1		<1					<1		
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		11.0	<1									2.0		6.0					<1		
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		32.0	<1									<1		7.0					6.0		
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		13.0	<1									10.0		5.0					6.0		
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg				<2		<2	<2									<2		<2					<2		
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg				<1		41.0	<1									17.0		12.0					10.0		
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		<1	<1									<1		<1					<1		
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		<1	<1									<1		1.0					<1		
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		<1	<1									<1		<1					<1		
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																269.0		<100					<100		
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg																<100		<100					<100		
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<100		37300.0					<100		
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg				<3		<3	<3									<3		<3					<3		
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg				<3		<3	<3									<3		<3					<3		
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		<1	<1									<1		<1					<1		
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg																3080.0		3520.0					657.0		
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		8.0	<1									1.0		2.0					<1		
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		<1	<1									<1		<1					<1		
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		<1	<1									<1		<1					<1		
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																939.0		1170.0					993.0		
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		<1	<1									<1		<1					<1		
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		<1	<1									<1		<1					<1		
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		<1	<1									<1		<1					<1		
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		<1	<1									<1		<1					<1		
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		<1	<1									<1		<1					<1		
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		<1	<1									<1		<1					<1		
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg		48.0	196.0	132.0	95.0	232.0	66.0	239.0	51.0	441.0		76.0	49.0	104.0	176.0	721.0	525.0	308.0	288.0	173.0	142.0	103.0	755.0	28.0	29.0
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg				<10		<10	<10									<10		<10					<10		
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg				<1		<1	<1									<1		<1					<1		

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	PFCPRC29	PFCPRC37	PFCPRC37	PFCPRC37	PFCPRC37	PFCPRC37	PFCPRC38 (SP)	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC41	PFCPRC41	PFCPRC41	PFCPRC41 A (SP)	PFCPRC42 (SP)	PFCPRC42 (SP)	PFCPRC43 (SP)	PFCPRC43 (SP)
						Sample Top	7.00	1.00	10.00	3.00	6.00	8.00	0.70	0.60	3.00	4.00	9.00	0.60	14.50	2.00	4.70	9.70	3.50	6.80	9.50	15.50	0.90	4.00	0.50	1.80
						Sample Ref	9	3	12	5	8	10	3	3	6	7	12	2	16	4	7	11	7	10	14	4	3	7	2	4
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1										<1.0		<1.0					<1.0		
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<5		<5	<5										<5		<5					<5		
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		2.0	2.0										2.0		2.0					6.0		
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1										<1		<1					<1		
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<10	<10										<10		<10					<10		
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1										<1		<1					<1		
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1										<1		<1					<1		
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1										<1		<1					<1		
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1										<1		<1					<1		
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1										<1		<1					<1		
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1										<1		<1					<1		
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																497.0		<100					<100		
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg																4740.0		357.0					763.0		
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg																1880.0		1040.0					687.0		
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg			<3		<3	<3										<3		<3					<3		
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1										<1		<1					<1		
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg																557.0		3430.0					609.0		
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		6.0	<1										2.0		7.0					1.0		
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1										<1		<1					1.0		
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg			<1		439.0	4.0										39.0		36.0					9.0		
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		61.0	<1										2.0		5.0					<1		
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg																<100		<100					<100		
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		15.0	<1										2.0		9.0					7.0		
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		29.0	<1										187.0		30.0					6.0		
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	0.3	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	4.1	0.2	0.2	<0.01	<0.01	0.0	<0.01	0.0	<0.01	<0.01
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	5.2	<0.01	<0.01	<0.01	<0.01		0.0	<0.01	<0.01	<0.01	1.7	0.7	1.4	0.1	0.1	0.0	<0.01	0.3	<0.01	<0.01
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg																								
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg																								
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type
Hole Ref					
Sample Top					
Sample Ref					
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg

Hole Ref	PFCPRC29	PFCPRC37	PFCPRC37	PFCPRC37	PFCPRC37	PFCPRC37	PFCPRC38 (SP)	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC41	PFCPRC41	PFCPRC41	PFCPRC41 A (SP)	PFCPRC42 (SP)	PFCPRC42 (SP)	PFCPRC43 (SP)	PFCPRC43 (SP)
Sample Top	7.00	1.00	10.00	3.00	6.00	8.00	0.70	0.60	3.00	4.00	9.00	0.60	14.50	2.00	4.70	9.70	3.50	6.80	9.50	15.50	0.90	4.00	0.50	1.80
Sample Ref	9	3	12	5	8	10	3	3	6	7	12	2	16	4	7	11	7	10	14	4	3	7	2	4
Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	PFCPRC43 (SP)	PFCPRC43 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC45 (SP)	PFCPRC45 (SP)	PFCPRC46 (SP)	PFCPRC55	PFCPRC55	PFTPH03	PFTPH06A	PFTPH13	PFWS01	PFWS01	PFWS02A	PFWS05 (SP)	PFWS07	PFWS08	PFWS09	PFWS10	PFWS12	PFWS12	PFWS13
						Sample Top	10.20	5.60	1.90	4.45	5.70	0.80	3.80	1.10	2.00	5.75	0.60	0.10	0.10	0.60	1.20	0.30	0.80	0.60	0.90	0.50	1.00	0.20	1.00	0.60
						Sample Ref	12	8	3	7	9	2	5	2	3	6	2	1	1	2	3	2	3	2	3	2	3	1	3	2
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.02	0.6	0.0	<0.02	<0.02	1.9	<0.02	<0.02	0.0	<0.02	<0.02	<0.02	0.3	<0.02	<0.02	<0.02	0.1	<0.02	<0.02	<0.02	0.3	0.0	5.2	0.1
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.07	5.2	0.3	0.1	<0.07	5.9	0.1	<0.07	<0.07	<0.07	<0.07	0.3	1.7	<0.07	0.1	<0.07	0.6	<0.07	0.3	0.5	3.1	1.3	23.6	0.7
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.05	1.0	0.1	<0.05	<0.05	0.8	<0.05	<0.05	<0.05	<0.05	0.1	0.3	0.7	<0.05	0.1	<0.05	0.2	<0.05	0.2	0.2	0.7	0.2	3.4	0.4
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.03	1.1	0.1	<0.03	<0.03	0.9	<0.03	<0.03	<0.03	<0.03	0.1	0.3	0.9	<0.03	0.0	<0.03	0.2	<0.03	0.2	0.2	0.9	0.3	4.8	0.4
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg		<0.05	2.2	0.1	0.2	<0.05	1.8	<0.05	<0.05	<0.05	<0.05	0.1	0.4	1.3	<0.05	0.1	<0.05	0.4	<0.05	0.2	0.3	1.8	0.5	10.3	0.6
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.08	4.4	0.3	<0.08	<0.08	7.3	<0.08	<0.08	<0.08	<0.08	<0.08	0.4	1.9	<0.08	0.1	<0.08	0.7	<0.08	0.3	0.5	3.7	0.7	26.7	0.7
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.07	0.9	<0.07	<0.07	<0.07	0.9	<0.07	<0.07	<0.07	<0.07	<0.07	0.2	0.5	<0.07	<0.07	<0.07	0.2	<0.07	0.1	0.1	0.8	0.2	4.8	0.3
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	0.1	<0.01	<0.01	<0.01	0.2	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	0.1	0.1	<0.01
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.06	1.9	0.2	0.1	<0.06	2.3	0.1	<0.06	<0.06	<0.06	<0.06	0.3	1.0	<0.06	0.1	<0.06	0.3	<0.06	0.2	0.3	1.7	0.6	10.6	0.5
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg		<0.04	1.7	0.1	<0.04	<0.04	1.6	<0.04	<0.04	<0.04	<0.04	0.1	0.4	1.2	<0.04	0.0	<0.04	0.3	<0.04	0.2	0.2	1.7	0.6	9.3	0.6
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg		<0.04	0.2	<0.04	<0.04	<0.04	0.2	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.2	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.2	0.1	1.1	0.1
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.04	2.0	0.1	0.0	<0.04	2.4	0.1	<0.04	<0.04	<0.04	0.1	0.2	0.9	<0.04	0.0	<0.04	0.3	<0.04	0.2	0.2	1.9	0.7	12.6	0.4
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg																									
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		6.0	113.0	45.0	247.0	29.0	20.0	34.0	15.0	11.0	18.0	24.0	66.0	36.0	27.0	27.0	9.0	8.0	17.0	36.0	29.0	44.0	7.0	16.0	37.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.3	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	0.8	0.6	0.6	1.4	<0.17	<0.17	<0.17	<0.17	0.6	0.6	0.7	<0.17	<0.17	<0.17	<0.17	0.2
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		12.0	38.0	29.0	28.0	38.0	12.0	22.0	19.0	7.0	18.0	10.0	16.0	28.0	14.0	10.0	5.0	15.0	7.0	26.0	18.0	55.0	29.0	8.0	23.0
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	15.0	6.0	13.0	6.0	3.0	9.0	10.0	1.0	3.0	<1	3.0	9.0	6.0	5.0	5.0	<1	2.0	7.0	4.0	36.0	9.0	<1	11.0
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		<1	1.0	1.0	2.0	2.0	1.0	1.0	1.0	<1	1.0	<1	<1	2.0	1.0	1.0	<1	1.0	<1	1.0	1.0	1.0	1.0	3.0	1.0
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1.0	3.2	1.1	3.4	1.5	<1.0	<1.0	1.3	1.6	7.4	1.6	1.7	3.2	<1.0	<1.0	<1.0	3.0	<1.0	2.0	1.7	<1.0	<1.0	2.2	1.5
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.5	2.5	1.9	2.8	2.3	0.7	1.7	2.3	<0.5	1.1	<0.5	1.8	1.7	1.3	1.0	1.2	0.9	0.7	1.8	1.3	4.0	0.6	0.7	2.5
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		7.0	131.0	36.0	33.0	50.0	15.0	38.0	44.0	7.0	17.0	11.0	28.0	33.0	28.0	16.0	13.0	12.0	8.0	29.0	21.0	16.0	12.0	17.0	59.0
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		7.0	224.0	24.0	60.0	27.0	7.0	16.0	10.0	8.0	26.0	20.0	49.0	178.0	31.0	27.0	3.0	6.0	11.0	33.0	18.0	12.0	57.0	22.0	25.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		25.0	114.0	89.0	1010.0	126.0	33.0	55.0	39.0	28.0	61.0	49.0	209.0	75.0	41.0	34.0	20.0	29.0	55.0	98.0	74.0	121.0	27.0	38.0	73.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.0	<1	<1	<1	<1	<1	<1	<1	2.0	1.0
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	0.2	<0.01	<0.01	<0.01	0.6	0.0	<0.01	0.1	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	<0.01	0.0	<0.01	0.0	<0.01	0.1	<0.01	1.2	0.0
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.03	2.0	0.1	0.0	<0.03	6.1	0.0	<0.03	0.1	<0.03	<0.03	0.1	0.9	<0.03	0.1	<0.03	0.2	<0.03	0.1	0.1	1.5	0.1	12.8	0.3
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	0.3	<0.01	<0.01	<0.01	0.9	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	0.1	<0.01	0.0	<0.01	0.0	<0.01	<0.01	<0.01	0.1	<0.01	1.3	<0.01
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.03	<0.03	<0.03	<0.03	<0.03	0.5	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	0.6	<0.1	<0.1	<0.1	0.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	50.4	<0.1
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	6.1	<0.1	3.1	<0.1	4.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.0	<0.1	3.2	<0.1	12.8	<0.1	<0.1	<0.1	<0.1	2.0	282.0	1.0
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	23.6	<0.1	23.3	12.1	8.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	8.0	<0.1	84.1	<0.1	68.6	<0.1	<0.1	<0.1	<0.1	5.5	342.0	<0.1
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<0.1	1.4	3.8	14.1
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	7.8	<0.1	4.3	<0.1	3.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.4	<0.1	14.6	<0.1	<0.1	<0.1	<0.1	6.7	8.6	1.2
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	139.0	<0.1	47.7	<0.1	23.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	108.0	<0.1	77.1	<0.1	<0.1	<0.1	<0.1	12.1	6.8	<0.1
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	PFCPRC43 (SP)	PFCPRC43 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC45 (SP)	PFCPRC45 (SP)	PFCPRC46 (SP)	PFCPRC55	PFCPRC55	PFTPH03	PFTPH06A	PFTPH13	PFWS01	PFWS01	PFWS02A	PFWS05 (SP)	PFWS07	PFWS08	PFWS09	PFWS10	PFWS12	PFWS12	PFWS13
						Sample Top	10.20	5.60	1.90	4.45	5.70	0.80	3.80	1.10	2.00	5.75	0.60	0.10	0.10	0.60	1.20	0.30	0.80	0.60	0.90	0.50	1.00	0.20	1.00	0.60
						Sample Ref	12	8	3	7	9	2	5	2	3	6	2	1	1	2	3	2	3	2	3	2	3	1	3	2
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg																								
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg																								
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg																								
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg																								
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg																								
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																								
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg																								
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg																								
Phenol	7600	POS PARK	mg/kg	0	mg/kg																								
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg																								
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg																								
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg																								
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg																								
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg																								
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg																								
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg																								
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg																								
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg																								
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg																								
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg																								
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg																								
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg																								
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg																								
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																								
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg																								
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg																								
Chloroform	99.1	Commercial	mg/kg	0	mg/kg																								
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg																								
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg																								
Tribromomethane	714	Commercial	mg/kg	0	mg/kg																								
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg																								
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg																								
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg																								
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg																								
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg																								
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg																								
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg																								
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg																								
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg																								
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																								
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg																								
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg																								
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg																								
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	PFCPRC43 (SP)	PFCPRC43 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC45 (SP)	PFCPRC45 (SP)	PFCPRC46 (SP)	PFCPRC55	PFCPRC55	PFTPH03	PFTPH06A	PFTPH13	PFWS01	PFWS01	PFWS02A	PFWS05 (SP)	PFWS07	PFWS08	PFWS09	PFWS10	PFWS12	PFWS12	PFWS13
						Sample Top	10.20	5.60	1.90	4.45	5.70	0.80	3.80	1.10	2.00	5.75	0.60	0.10	0.10	0.60	1.20	0.30	0.80	0.60	0.90	0.50	1.00	0.20	1.00	0.60
						Sample Ref	12	8	3	7	9	2	5	2	3	6	2	1	1	2	3	2	3	2	3	2	3	1	3	2
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100						<200		
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100						<200		
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100						<200		
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg			<2		<2	<2									<2	<2						<2		
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg			<1		<1	<1									<1	<1						<1		
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100						<200		
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg			<100		<100	<100									<100	<100						<200		
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100						<200		
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		482.0	<100									<100	<100						<200		
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100						<200		
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg			<3		<3	<3									<3	<3						<3		
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100						<200		
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100						<200		
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg			<3		<3	<3									<3	<3						<3		
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100						<200		
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg			<100		<100	<100									<100	<100						<200		
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg			1750.0		144.0	<100									<100	<100						<200		
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100						<200		
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100						<200		
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100						<200		
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg	29.0	180.0	134.0	217.0	83.0	52.0	86.0	50.0	69.0	242.0	213.0	2180.0	119.0	71.0	80.0	37.0	46.0	85.0	531.0	579.0	69.0	29.0	202.0	77.0
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<10	<10									<10	<10						<10		
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1						<1		

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	PFCPRC43 (SP)	PFCPRC43 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC45 (SP)	PFCPRC45 (SP)	PFCPRC46 (SP)	PFCPRC55	PFCPRC55	PFTPH03	PFTPH06A	PFTPH13	PFWS01	PFWS01	PFWS02A	PFWS05 (SP)	PFWS07	PFWS08	PFWS09	PFWS10	PFWS12	PFWS12	PFWS13
						Sample Top	10.20	5.60	1.90	4.45	5.70	0.80	3.80	1.10	2.00	5.75	0.60	0.10	0.10	0.60	1.20	0.30	0.80	0.60	0.90	0.50	1.00	0.20	1.00	0.60
						Sample Ref	12	8	3	7	9	2	5	2	3	6	2	1	1	2	3	2	3	2	3	2	3	1	3	2
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg			<0.2		<0.2	<0.2									<1	<1							<1		
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<10	<10									<5	<5							<5		
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		2.0	1.0									<1	<1							<1		
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1							<1		
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<10	<10									<10	<10							<10		
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1							<1		
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1							<1		
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100							<200		
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1							<1		
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1							<1		
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1							<1		
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1							<1		
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100							<200		
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100							<200		
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100							<200		
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg			198.0		<100	<100									<100	<100							<200		
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg			<3		<3	<3									<3	<3							<3		
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1							<1		
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100							<200		
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100							<200		
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100							<200		
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg			<100		<100	<100									<100	<100							<200		
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100							<200		
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1							<1		
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100							<200		
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1							<1		
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100							<200		
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg			<1		<1	<1									<1	<1							<1		
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100							<200		
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1							<1		
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100	<100									<100	<100							<200		
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1							<1		
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg			<1		<1	<1									<1	<1							<1		
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg																									
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg																									
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type
Benzo(k)fluoranthene SVOC	114000	POS Maintenance	ug/kg	0	ug/kg
Acenaphthylene SVOC	28900000	POS PARK	ug/kg	0	ug/kg
Chrysene SVOC	91000	POS Maintenance	ug/kg	1	ug/kg
Benzo(a)pyrene SVOC	10800	POS PARK	ug/kg	8	ug/kg
Dibenzo(ah)anthracene SVOC	1150	POS PARK	ug/kg	10	ug/kg
Benzo(a)anthracene SVOC	48800	POS PARK	ug/kg	2	ug/kg
Acenaphthene SVOC	28900000	POS PARK	ug/kg	0	ug/kg
Phenanthrene SVOC	6170000	POS PARK	ug/kg	0	ug/kg
Fluorene SVOC	19600000	POS PARK	ug/kg	0	ug/kg
Naphthalene SVOC	193000	Commercial	ug/kg	1	ug/kg
Xylenols	9180	POS PARK	mg/kg	0	mg/kg
Cresols	46100	POS PARK	mg/kg	0	mg/kg
Tributyltin	42400	POS PARK	mg/kg	0	mg/kg
Methyl tert-butyl ether (MTBE)	7480000	Commercial	ug/kg	0	ug/kg
Aromatics >C6-7	27000000	Commercial	ug/kg	0	ug/kg
Aromatics >C7-8	56293712.8	Commercial	ug/kg	0	ug/kg
Aromatics >C8-10	3460000	Commercial	ug/kg	0	ug/kg
Aromatics >C10-12	9240000	POS PARK	ug/kg	0	ug/kg
Aromatics >C12-16	10200000	POS PARK	ug/kg	0	ug/kg
Aromatics >C16-21	7630000	POS PARK	ug/kg	0	ug/kg
Aromatics >C21-35	7820000	POS PARK	ug/kg	1	ug/kg
Aromatics >C35-44	7820000	POS PARK	ug/kg	0	ug/kg
Aliphatics >C5-6	3190000	Commercial	ug/kg	0	ug/kg
Aliphatics >C6-8	7780000	Commercial	ug/kg	0	ug/kg
Aliphatics >C8-10	2000000	Commercial	ug/kg	1	ug/kg
Aliphatics >C10-12	9690000	Commercial	ug/kg	0	ug/kg
Aliphatics >C12-16	24700000	POS PARK	ug/kg	0	ug/kg
Aliphatics >C16-21	455000000	POS PARK	ug/kg	0	ug/kg
Aliphatics >C21-35	455000000	POS PARK	ug/kg	0	ug/kg
Aliphatics >C35-44	455000000	POS PARK	ug/kg	0	ug/kg
Trivalent Chromium	33000	POS PARK	mg/kg	0	mg/kg
Molybdenum	2890	POS PARK	mg/kg	0	mg/kg
4-Nitroaniline	10800	POS PARK	ug/kg	0	ug/kg
Azobenzene	10800	POS PARK	ug/kg	0	ug/kg
4-Chloroaniline	10800000	POS PARK	ug/kg	0	ug/kg
2-Nitroaniline	10800	POS PARK	ug/kg	0	ug/kg

Hole Ref	PFCPRC43 (SP)	PFCPRC43 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC45 (SP)	PFCPRC45 (SP)	PFCPRC46 (SP)	PFCPRC55	PFCPRC55	PFTPH03	PFTPH06A	PFTPH13	PFWS01	PFWS01	PFWS02A	PFWS05 (SP)	PFWS07	PFWS08	PFWS09	PFWS10	PFWS12	PFWS12	PFWS13
Sample Top	10.20	5.60	1.90	4.45	5.70	0.80	3.80	1.10	2.00	5.75	0.60	0.10	0.10	0.60	1.20	0.30	0.80	0.60	0.90	0.50	1.00	0.20	1.00	0.60
Sample Ref	12	8	3	7	9	2	5	2	3	6	2	1	1	2	3	2	3	2	3	2	3	1	3	2
Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	PFWS16	PFWS26	PFWS27	PFWS28	PFWS31	PFWS31	PFWS32	PFWS34	PFWS37	PFWS40	PFWS41	PFWS44	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	PFWSHH01	PFWSHH03	PFWSHH04	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)
						Sample Top	0.30	0.20	0.30	0.40	0.20	0.50	0.40	0.50	0.60	1.00	1.00	0.50	0.20	1.50	2.50	0.50	0.50	1.00	0.20	1.50	4.50	0.20	1.80	2.80
						Sample Ref	1	1	1	2	1	2	1	2	2	2	3	2	1	2	3	2	2	3	1	3	6	1	3	4
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01						
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01						
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.02	0.0	<0.02	<0.02	0.0	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				0.0	<0.02	<0.02						
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.3	0.7	<0.07	<0.07	0.3	<0.07	<0.07	0.1	<0.07	0.3	<0.07	<0.07				0.5	0.3	0.3						
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		0.3	0.3	<0.05	<0.05	0.2	<0.05	<0.05	0.1	<0.05	0.2	<0.05	<0.05				0.3	0.2	0.2						
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		0.3	0.4	<0.03	<0.03	0.2	<0.03	0.0	0.1	<0.03	0.2	<0.03	<0.03				0.3	0.2	0.2						
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg		0.3	0.7	<0.05	<0.05	0.4	<0.05	<0.05	0.1	<0.05	0.2	<0.05	<0.05				0.5	0.3	0.2						
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.3	0.8	<0.08	<0.08	0.4	<0.08	<0.08	0.2	<0.08	0.3	<0.08	<0.08				0.6	0.4	0.3						
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		0.1	0.3	<0.07	<0.07	0.2	<0.07	<0.07	<0.07	<0.07	0.1	<0.07	<0.07				0.2	0.2	0.1						
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01						
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		0.2	0.5	<0.06	<0.06	0.3	<0.06	<0.06	0.1	<0.06	0.2	<0.06	<0.06				0.4	0.2	0.2						
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg		0.2	0.6	<0.04	<0.04	0.3	<0.04	0.1	0.1	<0.04	0.2	<0.04	<0.04				0.5	0.3	0.2						
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg		<0.04	0.1	<0.04	<0.04	0.1	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04				0.1	0.1	0.0						
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.1	0.4	<0.04	<0.04	0.2	<0.04	<0.04	0.1	<0.04	0.2	<0.04	<0.04				0.3	0.2	0.2						
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg														<1	<1	6.8				<1	<1	<1	<1	<1	<1
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01						
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		49.0	13.0	42.0	58.0	32.0	14.0	26.0	21.0	19.0	11.0	13.0	45.0	20.3	7.5	117.0	36.0	13.0	27.0	26.5	18.4	49.1	23.1	262.0	86.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.6	<0.17	<0.17	<0.17	0.2	<0.17	<0.17	0.2	<0.17	<0.17	<0.17	<0.17	<0.14	<0.14	<0.14	<0.17	0.6	0.4	<0.14	<0.14	<0.14	<0.14	2.3	<0.14
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		12.0	18.0	13.0	36.0	12.0	68.0	19.0	8.0	19.0	12.0	12.0	30.0	15.9	6.0	130.0	15.0	6.0	9.0	35.5	16.4	65.7	8.8	24.1	19.6
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg														<0.6	<0.6	2.2				<0.6	<0.6	<0.6	<0.6	16.5	<0.6
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		6.0	3.0	6.0	4.0	4.0	2.0	9.0	3.0	8.0	3.0	6.0	5.0	8.1	2.8	12.8	10.0	<1	3.0	21.1	9.8	51.5	3.2	13.8	12.4
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		<1	1.0	1.0	2.0	1.0	3.0	1.0	1.0	1.0	1.0	1.0	3.0	0.7	0.3	0.7	1.0	<1	<1	0.8	0.8	1.0	0.2	1.2	1.1
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	1.4	2.9	<1	1.3	3.1	<1.0	<1.0	<1.0	<1	<1	1.2	<1	2.6	2.5
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		1.1	1.1	1.1	1.9	1.0	1.5	1.4	0.6	1.6	1.0	1.3	1.5	0.1	<0.02	1.7	1.4	<0.5	0.8	<0.02	0.4	0.1	0.2	0.7	0.5
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		18.0	25.0	17.0	41.0	12.0	27.0	26.0	10.0	31.0	18.0	29.0	15.0	8.9	6.1	31.0	17.0	6.0	10.0	11.9	17.9	<0.9	10.5	20.8	14.8
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		27.0	13.0	16.0	54.0	44.0	20.0	11.0	15.0	11.0	14.0	9.0	33.0	11.1	4.5	37.2	22.0	15.0	18.0	18.6	19.8	29.4	10.1	67.9	30.3
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg														21.1	10.5	24.6				40.5	34.8	52.4	32.6	34.3	35.0
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		217.0	38.0	49.0	125.0	43.0	82.0	47.0	50.0	42.0	38.0	28.0	91.0	50.5	27.5	415.0	64.0	40.0	51.0	104.0	61.8	205.0	115.0	923.0	321.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	0.0	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01						
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.1	0.2	0.1	<0.03	0.2	<0.03	<0.03	0.1	<0.03	0.1	<0.03	0.0				0.2	0.1	0.1						
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01						
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.03	<0.03	<0.03	<0.03	0.0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03				<0.03	<0.03	<0.03						
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg														<0.035	<0.035	0.1				<0.035	<0.035	<0.035	<0.035	<0.035	<0.035
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01						
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1						
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	1.1	2.1	<0.1	1.0	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1				<0.1	1.8	2.8						
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	5.8	3.5	<0.1	6.6	<0.1	<0.1	<0.1	<0.1	0.5	<0.1	<0.1				4.9	0.7	27.6						
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	30.2	73.1	<0.1	43.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				0.5	0.5	43.6						
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01						
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01						
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01						
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	1.2						
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	5.0	<0.1	<0.1	<0.1	<0.1	1.0	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	34.5						
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	5.5	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	65.3						
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.1	<0.1	93.4	<0.1	15.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	43.2						
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01						
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	Sample Top	Sample Ref	Sample Type	PFWS16	PFWS26	PFWS27	PFWS28	PFWS31	PFWS31	PFWS32	PFWS34	PFWS37	PFWS40	PFWS41	PFWS44	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	PFWSHH01	PFWSHH03	PFWSHH04	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)
							0.30	1	ES	0.20	0.30	0.40	0.20	0.50	0.40	0.50	0.60	1.00	1.00	0.50	0.20	1.50	2.50	0.50	0.50	1.00	0.20	1.50	4.50	0.20	1.80	2.80
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg																												
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg																												
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg																												
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg																												
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg																												
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg																												
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																												
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg																												
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg																												
Phenol	7600	POS PARK	mg/kg	0	mg/kg																	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg																												
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg																												
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg																												
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg																												
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg																												
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg																												
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg																												
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg																												
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg																												
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg																												
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg																												
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg																												
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg																												
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg																												
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01										
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg																												
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg																												
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																												
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																												
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg																												
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg																												
Chloroform	99.1	Commercial	mg/kg	0	mg/kg																												
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg																												
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg																												
Tribromomethane	714	Commercial	mg/kg	0	mg/kg																												
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg																												
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg																												
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg																												
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg																												
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg																												
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg																												
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg																												
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg																												
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg																												
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg																												
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg																												
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg																												
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg																												
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																												
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg																												
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg																												
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg																												
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																												

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	PFWS16	PFWS26	PFWS27	PFWS28	PFWS31	PFWS31	PFWS32	PFWS34	PFWS37	PFWS40	PFWS41	PFWS44	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	PFWSHH01	PFWSHH03	PFWSHH04	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)
						Sample Top	0.30	0.20	0.30	0.40	0.20	0.50	0.40	0.50	0.60	1.00	1.00	0.50	0.20	1.50	2.50	0.50	0.50	1.00	0.20	1.50	4.50	0.20	1.80	2.80
						Sample Ref	1	1	1	2	1	2	1	2	2	2	3	2	1	2	3	2	2	3	1	3	6	1	3	4
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01						
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																				<0.01					
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01						
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1						
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																	<500	<200
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg						<1															<4		<4	<4
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																	<10	<10
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																	<10	<10
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																	<11	<11
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																	<500	<200
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																	<500	<200
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																	<5	<200
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg						<2																	<5	<5
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg						<1																	<8	<8
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																	<10	<10
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg						<1															<7		<7	<7
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																	<5	<5
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																	<500	<200
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg						<100																	<500	<200
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																	<500	<200
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																	<500	<200
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100														<50			<500	<200
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg						<3																	<20	<20
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																	<500	<200
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																	<500	<200
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg						<3																	<10	<10
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																	<5	<5
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																	<500	<200
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg						<100																	1310.0	<200
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																	<10	<10
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																	<6	<6
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																	<10	<10
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg						104.0																		
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																	<500	<200
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																	<10	<10
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																	<500	<200
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																	<500	<200
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																	<10	<10
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																	<8	<8
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg						<100																	<500	<200
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg						<1															<9		<9	<9
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																	<7	<7
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg		58.0	50.0	145.0	163.0	85.0	106.0	76.0	102.0	62.0	71.0	71.0	113.0				118.0	134.0	185.0						
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg						<10																	<7	<7
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																	<10	<10

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	PFWS16	PFWS26	PFWS27	PFWS28	PFWS31	PFWS31	PFWS32	PFWS34	PFWS37	PFWS40	PFWS41	PFWS44	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	PFWSHH01	PFWSHH03	PFWSHH04	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)
						Sample Top	0.30	0.20	0.30	0.40	0.20	0.50	0.40	0.50	0.60	1.00	1.00	0.50	0.20	1.50	2.50	0.50	0.50	1.00	0.20	1.50	4.50	0.20	1.80	2.80
						Sample Ref	1	1	1	2	1	2	1	2	2	2	3	2	1	2	3	2	2	3	1	3	6	1	3	4
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																		<6	<6
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg						<5																		11.7	<10
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																		17.1	<7
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																		<10	<10
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg						<10																		<7	<7
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																		<8	<8
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																		<10	<10
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg						<100																		<500	<200
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																		<10	<10
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																		<10	<10
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																		<9	<9
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																		<10	<10
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																		<500	<200
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																		<500	<200
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																		<500	<200
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg						<100																		661.0	<200
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg						<3																		<20	<20
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																		<20	<20
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																		<500	<200
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																		<500	<200
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																		<500	<200
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg						<100																		<500	<200
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg						<100																		<500	<200
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																	<10	<10	<10
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																		<500	<200
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																		<10	<10
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																		<500	<200
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg						<1																		34.3	<9
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<100																		<500	<200
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																		<5	<5
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg						<100																		<500	<200
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																		<10	<10
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg						<1																	<10	<10	<10
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01						
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01						
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																				<50					
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg																				<50					
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																				<50					
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																				<50					
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																				<50					
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																				<50					
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																				<50					
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																						22.9		928.0	372.0
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg																						159.0		11700.0	3610.0
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																						82.5		1950.0	1420.0
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg																						113.0		1330.0	2340.0
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg																						153.0		3510.0	1960.0
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																						178.0		14500.0	4250.0

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	PFWS16	PFWS26	PFWS27	PFWS28	PFWS31	PFWS31	PFWS32	PFWS34	PFWS37	PFWS40	PFWS41	PFWS44	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	PFWSHH01	PFWSHH03	PFWSHH04	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)
						Sample Top	0.30	0.20	0.30	0.40	0.20	0.50	0.40	0.50	0.60	1.00	1.00	0.50	0.20	1.50	2.50	0.50	0.50	1.00	0.20	1.50	4.50	0.20	1.80	2.80
						Sample Ref	1	1	1	2	1	2	1	2	2	2	3	2	1	2	3	2	2	3	1	3	6	1	3	4
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																					62.2		4320.0	1390.0
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																					<12		<500	<200
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg																					91.4		5130.0	1630.0
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg																					117.0		5480.0	1990.0
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg																					<23		<500	<200
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg																					95.3		7350.0	2270.0
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																					<8		1750.0	<200
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg																					76.5		11700.0	1280.0
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg																					<10		1700.0	<200
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg																					<9		934.0	<13
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg														<0.015	<0.015	0.1				<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg														<0.01	<0.01	<0.01				0.0	<0.01	<0.01	<0.01	<0.01	0.0
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg																					<10		<10	<10
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg																					<10		<10	<10
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg																					<10		<10	<10
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg																					36.6		441.0	128.0
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg																					40.1		735.0	98.0
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg																					273.0		7930.0	3160.0
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg																					3880.0		51000.0	23100.0
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg																					17500.0		229000.0	118000.0
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg																					4560.0		89300.0	31900.0
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg																					13.0		16.4	16.1
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg																					18.9		80.7	64.5
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg																					49.6		662.0	192.0
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg																					61.4		1100.0	146.0
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg																					<100		12300.0	<100
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																					<100		51600.0	6810.0
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																					2880.0		272000.0	38500.0
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																					<100		79100.0	11900.0
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																							<500	<200
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																							<500	<200
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																							<500	<200
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg																							<500	<200

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP204	AEC18-LF-TP204	AEC18-LF-TP205	AEC18-LF-TP205	AEC18-LF-TP206	AEC18-LF-TP206	AEC18-LF-TP207	AEC18-LF-TP207	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP209	AEC18-LF-TP209	AEC18-LF-TP210	AEC18-LF-TP210	AEC18-LF-TP211	AEC18-LF-TP211	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213A
						Sample Top	0.50	4.50	0.10	2.50	0.80	3.30	1.60	3.60	0.60	1.60	2.90	1.20	4.20	0.80	3.00	0.50	3.00	0.50	2.00	4.00	1.50	2.50	3.50	1.50
						Sample Ref	1	5		3	2	5	3	5	2	3	4	2	5	2	4	2	7	2	4	6	3	5	6	2
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg																								
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg																								
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg																								
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg		<1	<1	<1	<1	<1	<1	5.4	<1	<0.5	<1	2.9	<1	3.7	<1	<1	<1	<0.5	<1	2.5	<1	<1	1.5	3.2	<1
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		11.5	130.0	24.9	97.9	2.0	44.5	131.0	132.0	<0.002	89.2	459.0	85.7	109.0	403.0	27.0	70.6	0.0	48.5	255.0	99.7	44.6	224.0	274.0	71.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	0.6	<0.14	<0.0001	<0.14	1.2	<0.14	1.6	<0.14	<0.14	<0.14	<0.0001	<0.14	1.0	<0.14	<0.14	<0.14	1.4	<0.14
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		10.5	26.4	16.4	34.6	5.3	28.4	14.7	28.6	<0.004	17.6	102.0	12.0	104.0	32.9	32.3	28.9	5620.0	17.5	31.0	32.4	17.1	30.9	48.4	20.4
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	1.4	<0.6	<0.01	0.9	3.5	<0.6	10.6	3.6	<0.6	<0.6	0.0	1.0	4.9	1.5	<0.6	<0.6	17.7	<0.6
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		4.4	24.6	10.4	23.7	1.5	23.3	10.4	22.3	0.0	10.4	12.2	9.0	15.3	17.6	9.5	15.7	0.0	8.4	14.4	12.4	10.6	18.5	15.1	15.0
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		0.4	0.8	0.7	0.7	0.2	1.3	0.8	0.8	<0.001	0.9	0.9	0.8	<0.01	1.6	2.1	1.1	<0.001	0.7	0.9	1.5	1.5	1.7	0.8	1.3
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	1.7	<1	1.3	<1	1.5	<1	<1	0.7	1.4	10.8	<1	2.0	1.3	1.3	1.1	4.0	1.5	2.9	2.8	1.5	5.3	3.6	1.4
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		0.1	0.3	0.4	0.7	0.1	0.5	0.1	0.4	<0.0008	0.9	0.9	0.4	3.6	1.1	0.6	0.6	<0.0008	0.1	1.6	0.5	0.2	0.3	2.9	0.1
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		7.8	16.0	13.0	12.5	3.3	25.2	13.4	18.4	0.1	20.9	49.3	14.4	72.7	30.9	19.9	19.7	0.1	11.3	56.4	21.8	15.5	30.6	94.6	13.4
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		7.5	37.0	13.9	22.9	4.1	29.4	26.7	36.4	<0.003	42.0	85.2	21.9	186.0	54.4	19.8	46.1	0.1	14.2	120.0	88.5	21.5	40.2	125.0	30.1
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		14.5	30.5	29.4	34.9	5.4	46.5	30.1	40.0	<0.01	27.7	37.3	29.6	17.4	46.8	43.2	40.4	<0.01	46.2	27.9	46.0	41.5	67.7	23.3	39.8
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		33.6	200.0	54.1	130.0	15.9	113.0	103.0	305.0	0.0	189.0	330.0	81.4	423.0	283.0	90.7	133.0	2800.0	75.8	535.0	274.0	74.3	170.0	738.0	126.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.0	<0.035	<0.035	1.0	<0.035	0.1	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.2	<0.035
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP204	AEC18-LF-TP204	AEC18-LF-TP205	AEC18-LF-TP205	AEC18-LF-TP206	AEC18-LF-TP206	AEC18-LF-TP207	AEC18-LF-TP207	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP209	AEC18-LF-TP209	AEC18-LF-TP210	AEC18-LF-TP210	AEC18-LF-TP211	AEC18-LF-TP211	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213A
						Sample Top	0.50	4.50	0.10	2.50	0.80	3.30	1.60	3.60	0.60	1.60	2.90	1.20	4.20	0.80	3.00	0.50	3.00	0.50	2.00	4.00	1.50	2.50	3.50	1.50
						Sample Ref	1	5		3	2	5	3	5	2	3	4	2	5	2	4	2	7	2	4	6	3	5	6	2
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg																								
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg																								
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg																								
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg																								
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg																								
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																								
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg																								
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg																								
Phenol	7600	POS PARK	mg/kg	0	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg																								
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg																								
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg																								
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg																								
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg																								
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg																								
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg																								
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg																								
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg																								
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg																								
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg																								
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg																								
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg																								
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg																								
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg																								
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																								
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg																								
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg																								
Chloroform	99.1	Commercial	mg/kg	0	mg/kg																								
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg																								
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg																								
Tribromomethane	714	Commercial	mg/kg	0	mg/kg																								
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg																								
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg																								
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg																								
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg																								
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg																								
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg																								
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg																								
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg																								
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg																								
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																								
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg																								
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg																								
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg																								
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP204	AEC18-LF-TP204	AEC18-LF-TP205	AEC18-LF-TP205	AEC18-LF-TP206	AEC18-LF-TP206	AEC18-LF-TP207	AEC18-LF-TP207	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP209	AEC18-LF-TP209	AEC18-LF-TP210	AEC18-LF-TP210	AEC18-LF-TP211	AEC18-LF-TP211	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213A
						Sample Top	0.50	4.50	0.10	2.50	0.80	3.30	1.60	3.60	0.60	1.60	2.90	1.20	4.20	0.80	3.00	0.50	3.00	0.50	2.00	4.00	1.50	2.50	3.50	1.50
						Sample Ref	1	5		3	2	5	3	5	2	3	4	2	5	2	4	2	7	2	4	6	3	5	6	2
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg						<0.01	<0.01																		
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg										<0.3			<0.6					<0.3							
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg										<0.5								<0.5							
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg										<0.5								<0.5							
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200			<500		
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg			<4		<4		<40	<4	35.5		<40	1280.0	<4	748.0	<4	<4		<4		<4	<4	<4		<4	<4
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg								<10	<10			<200	<10	<10				<10		<10			<10		
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg								<10	<10			649.0	<10	78.4				<10		<10			<10		
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg								<11	<11			<220	<11	<11				<11		<11			<11		
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200			<500		
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200			<500		
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg								<200	39.0			<100	<100	<100				<100		<200			<5		
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg								<5	<5			<100	<5	<5				<5		<5			<5		
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg								<8	21.5			2900.0	<8	646.0				<8		<8			18.2		
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg								<10	<10			<200	<10	<10				<10		<10			<10		
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg			<7		<7		<70	<7	<7		<70	<140	<7	<7	<7	<7		<7		<7	<7	<7	<7	<7	<7
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg								<5	<5			<100	<5	<5				<5		<5			<5		
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	1340.0				<100		<200			<500		
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg								<200	<100			<200	<100	<100				<100		<200			<500		
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	751.0			1780.0	<100	11500.0				748.0		475.0			<500		
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	132.0			<200	<100	<100				<100		<200			<500		
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg							<50	<200	<100			<200	<100	<100				<100		<200			<500		
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg								<20	<100			<200	<100	<100				<100		<20			<20		
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200			<500		
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200			<500		
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg								<10	<10			<200	<10	<10				<10		<10			<10		
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg								<5	<5			<100	<5	<5				<5		<5			<5		
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200			<500		
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg								657.0	1340.0			1590.0	<100	409.0				<100		<200			2380.0		
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg								<10	<10			325.0	<10	157.0				<10		<10			<10		
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg								<6	<6			<120	<6	<6				<6		<6			<6		
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg								<10	<10			<200	<10	<10				<10		<10			<10		
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg								<200	<100			<160	<100	<100				<100		<200			<500		
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg								<10	<10			<200	<10	<10				<10		<10			<10		
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200			<500		
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200			<500		
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg								<10	<10			<200	<10	<10				<10		<10			<10		
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg								<8	<8			<160	<8	<8				<8		<8			<8		
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200			<500		
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg			<9		<9		<90	<9	<9		<90	<180	<9	<9	<9	<9		<9		<9	<9	<9	<9	<9	<9
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg								<7	<7			<140	<7	<7				<7		<7			<7		
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg										0.1								1.1							
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg								<7	<7			<140	<7	<7				<7		<7			<7		
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg								<10	<10			<200	<10	<10				<10		<10			<10		

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP204	AEC18-LF-TP204	AEC18-LF-TP205	AEC18-LF-TP205	AEC18-LF-TP206	AEC18-LF-TP206	AEC18-LF-TP207	AEC18-LF-TP207	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP209	AEC18-LF-TP209	AEC18-LF-TP210	AEC18-LF-TP210	AEC18-LF-TP211	AEC18-LF-TP211	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213A
						Sample Top	0.50	4.50	0.10	2.50	0.80	3.30	1.60	3.60	0.60	1.60	2.90	1.20	4.20	0.80	3.00	0.50	3.00	0.50	2.00	4.00	1.50	2.50	3.50	1.50
						Sample Ref	1	5		3	2	5	3	5	2	3	4	2	5	2	4	2	7	2	4	6	3	5	6	2
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg								<6	<6			<120	<6	<6				<6		<6				<6	
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg								<10	<10			<200	<10	<10				68.6		19.1				<10	
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg								<7	<7			<140	<7	55.5				22.8		12.2				11.7	
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg								<10	<10			<200	<10	<10				<10		<10				<10	
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg								<7	<7			<140	<7	<7				<7		<7				<7	
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg								<8	<8			<160	<8	<8				<8		<8				<8	
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg								<10	<10			<200	<10	<10				<10		<10				<10	
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200				<500	
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg								<10	<10			<200	<10	<10				<10		<10				<10	
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg								<10	<10			<200	<10	<10				<10		<10				<10	
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg								<9	<9			<180	<9	<9				<9		<9				<9	
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg								<10	<10			<200	<10	<10				<10		<10				<10	
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200				<500	
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	173.0			<200	<100	<100				<100		<200				<500	
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200				<500	
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg								426.0	596.0			520.0	<100	<100				<100		<200				769.0	
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg								<20	<20			<400	<20	<20				<20		<20				<20	
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg								<20	<100			<200	<100	<100				<100		<20				<20	
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			6880.0	<100	<100				<100		<200				<500	
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200				<500	
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200				<500	
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg								<200	129.0			1540.0	<100	422.0				<100		<200				2030.0	
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	2120.0				<100		<200				<500	
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<10		<100		<10	<10		<100	943.0	<10	92.5	<10	<10		<10		<10	<10	<10		<10	<10
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200				<500	
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg								<10	<10			<200	<10	<10				<10		<10				<10	
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200				<500	
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg								<9	59.5			9640.0	<9	1240.0				<9		<9				47.6	
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200				<500	
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg								<5	<5			229.0	<5	214.0				<5		<5				<5	
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200				<500	
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg								<10	<10			889.0	<10	<10				<10		<10				<10	
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<10		<100		<10	<10		<100	5960.0	<10	2690.0	<10	<10		<10		<10	13.0	<10		<10	<10
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<50																		
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<50																		
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<50																		
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg							<50																		
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<50																		
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<50																		
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg							<50																		
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		927.0		108.0		121.0	1890.0	1320.0		727.0	1680.0	<100	335.0	791.0				<100		193.0	733.0	310.0		6400.0	4390.0
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		5240.0		349.0		560.0	18800.0	3260.0		4000.0	5990.0	388.0	1360.0	4560.0				697.0		1840.0	2640.0	1280.0		18300.0	13000.0
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		1850.0		90.8		196.0	5970.0	913.0		1550.0	1260.0	137.0	360.0	1290.0				245.0		1580.0	544.0	187.0		3490.0	2760.0
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		2330.0		119.0		167.0	6680.0	1160.0		1520.0	1620.0	137.0	386.0	1700.0				335.0		1520.0	613.0	149.0		4350.0	3260.0
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg		3230.0		191.0		314.0	11500.0	1270.0		2190.0	2300.0	125.0	158.0	2650.0				297.0		1110.0	1210.0	404.0		10800.0	6150.0
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg		6110.0		433.0		667.0	22100.0	4950.0		4490.0	19900.0	422.0	1600.0	5230.0				748.0		1800.0	3350.0	1530.0		38400.0	15300.0

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP204	AEC18-LF-TP204	AEC18-LF-TP205	AEC18-LF-TP205	AEC18-LF-TP206	AEC18-LF-TP206	AEC18-LF-TP207	AEC18-LF-TP207	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP209	AEC18-LF-TP209	AEC18-LF-TP210	AEC18-LF-TP210	AEC18-LF-TP211	AEC18-LF-TP211	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213A
						Sample Top	0.50	4.50	0.10	2.50	0.80	3.30	1.60	3.60	0.60	1.60	2.90	1.20	4.20	0.80	3.00	0.50	3.00	0.50	2.00	4.00	1.50	2.50	3.50	1.50
						Sample Ref	1	5		3	2	5	3	5	2	3	4	2	5	2	4	2	7	2	4	6	3	5	6	2
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg			1350.0		65.5		136.0	4510.0	1110.0		960.0	1750.0	182.0	197.0	909.0			264.0		782.0	536.0	146.0		4720.0	2300.0
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg			244.0		20.4		42.8	831.0	101.0		176.0	<200	<100	<100	62.4			<100		<200	33.4	16.8		<500	344.0
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg			2490.0		145.0		220.0	8010.0	1200.0		1890.0	2440.0	228.0	496.0	1870.0			348.0		1090.0	964.0	347.0		11600.0	4770.0
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg			2890.0		157.0		237.0	8850.0	1610.0		2460.0	2420.0	194.0	472.0	2080.0			348.0		1440.0	934.0	324.0		11400.0	4850.0
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg			419.0		<23		41.4	1510.0	186.0		321.0	242.0	<100	<100	246.0			<100		<200	143.0	43.5		958.0	681.0
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg			2470.0		155.0		249.0	7800.0	1680.0		2120.0	3160.0	228.0	282.0	1810.0			446.0		925.0	1060.0	422.0		15600.0	4860.0
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg			318.0		124.0		107.0	1220.0	2470.0		410.0	2350.0	<100	397.0	210.0			<100		<200	924.0	333.0		3420.0	3850.0
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg			3280.0		332.0		367.0	4790.0	5670.0		2130.0	8370.0	109.0	1530.0	2210.0			361.0		701.0	3420.0	1130.0		32200.0	14700.0
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg			449.0		206.0		105.0	1930.0	2160.0		467.0	2270.0	<10	384.0	101.0			<100		<200	873.0	264.0		4180.0	3620.0
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg			113.0		94.6		41.9	43.2	59.8		180.0	2260.0	<100	397.0	44.5			<100		<13	160.0	63.5		1090.0	2040.0
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.0	<0.015	<0.015	1.0	<0.015	0.0	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.1	0.0
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	0.0	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	0.0
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg							<0.02																		
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg					<10		<100	<10	<10		<100	<200	<10	<10		<10		<10		<10	<10			<10	
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg					<10		<10	<10	<10		<10	<200	<10	<10		<10		<10			<10			<10	
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg					<10		<10	<10	<10		<10	<200	<10	<10		<10		<10			<10			<10	
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg					105.0		73.8	342.0	595.0		81.6	231000.0	<10	4150.0		77.4		34.8			714.0			209.0	
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg					269.0		38.1	316.0	1300.0		96.0	199000.0	<10	2860.0		58.1		23.2			785.0			407.0	
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg					4430.0		2800.0	17700.0	17100.0		4210.0	77200.0	1410.0	241000.0		<100		5560.0			17000.0			8360.0	
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg					13600.0		7030.0	110000.0	61500.0		24300.0	179000.0	29400.0	502000.0		1080.0		73000.0			67000.0			60300.0	
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg					41000.0		60600.0	333000.0	198000.0		113000.0	524000.0	98700.0	2060000.0		8930.0		531000.0			140000.0			214000.0	
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg					15300.0		120000.0	127000.0	69100.0		54700.0	144000.0	32700.0	279000.0		3740.0		106000.0			26100.0			105000.0	
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg					<10		<10	13.6	15.5		<10	220.0	<10	139.0		12.9		12.9			31.8			18.9	
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg					20.1		46.4	91.5	137.0		34.8	6120.0	<10	1530.0		34.8		36.1			180.0			84.4	
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg					148.0		88.1	513.0	891.0		90.0	283000.0	<10	3200.0		110.0		36.1			1070.0			292.0	
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg					404.0		57.1	475.0	1950.0		144.0	298000.0	<10	4300.0		86.4		34.8			1180.0			611.0	
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg					5180.0		5820.0	9890.0	17100.0		3830.0	91800.0	1510.0	279000.0		<100		22200.0			6860.0			214.0	
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg					12200.0		12300.0	23500.0	46900.0		12300.0	124000.0	6100.0	1180000.0		<100		290000.0			12600.0			24900.0	
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg					36800.0		48600.0	109000.0	390000.0		68700.0	1040000.0	30300.0	5700000.0		3700.0		1320000.0			116000.0			258000.0	
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg					5750.0		57900.0	47300.0	118000.0		26700.0	190000.0	8850.0	543000.0		<100		212000.0			18800.0			113000.0	
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg										<0.3								<0.3							
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg										0.1								0.2							
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200				<500	
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200				<500	
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200				<500	
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg								<200	<100			<200	<100	<100				<100		<200				<500	

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP217	AEC18-LF-TP217	AEC18-LF-TP218	AEC18-LF-TP218	AEC18-LF-TP219	AEC18-LF-TP219	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP222
						Sample Top	2.50	3.50	0.50	1.50	2.50	0.80	3.10	4.10	1.80	2.80	4.50	1.50	2.50	0.50	3.50	1.50	4.50	0.50	2.50	4.50	0.20	1.20	3.50	1.00
						Sample Ref	3	4	1	2	3	2	4	5	5	6	8	2	3	1	4	2	6	1	3	5	1	3	5	2
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg																								
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg																								
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg																								
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg		<1	<1	<1	7.6	<1	<0.5	<1	<0.5	<1	10.4	<1	<1	<1	<1	<1	<1	1.0	<1	<1	<1	<0.5	<1	<1	<1
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		7.1	138.0	25.4	325.0	103.0	0.0	65.4	0.0	72.9	280.0	45.4	49.6	84.9	21.7	59.7	42.8	291.0	87.8	160.0	34.2	<0.002	243.0	65.9	94.8
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.14	<0.14	<0.14	<0.14	1.7	<0.0001	<0.14	<0.0001	<0.14	6.6	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<1.4	<0.14	<0.0001	<0.14	<0.14	<0.14
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		2.9	24.2	24.4	41.1	76.4	0.0	28.4	0.0	82.1	2350.0	71.8	23.3	23.7	25.7	20.9	19.1	46.5	26.5	157.0	29.4	0.0	39.6	14.3	28.7
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.6	1.0	<0.6	37.9	10.7	<0.6	<0.6	0.0	<0.6	11.8	<0.6	<0.6	0.8	<0.6	<0.6	<0.6	3.6	<0.6	6.6	<0.6	<0.01	2.6	<0.6	1.1
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.8	11.3	14.8	14.0	13.3	0.0	21.9	0.0	17.3	16.6	18.4	14.8	14.9	17.6	15.1	10.6	11.2	15.5	19.5	13.6	<0.005	22.2	8.7	11.7
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		0.1	1.8	1.2	1.0	0.8	<0.001	1.2	<0.001	1.9	0.2	1.0	0.8	1.1	0.7	1.4	0.8	1.4	1.2	0.2	1.2	<0.001	1.2	0.8	2.0
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	1.8	<1	19.6	6.5	1.1	1.8	0.9	3.8	2.6	4.0	<1	<1	<1	2.4	1.3	2.5	<1	2.3	1.5	<0.1	1.6	1.7	<1
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		0.1	1.5	0.4	1.4	0.8	<0.0008	0.8	<0.0008	<0.02	1.9	<0.02	0.6	0.5	<0.02	0.1	0.3	3.4	0.5	<0.2	0.5	<0.0008	0.5	0.2	0.5
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		4.8	21.8	35.4	21.6	44.3	0.1	26.0	0.1	38.1	649.0	31.3	21.8	21.7	17.5	37.6	13.4	21.3	14.3	438.0	15.9	0.1	21.0	59.8	10.4
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		7.4	36.3	20.4	61.7	43.4	0.0	39.5	<0.003	27.1	166.0	21.6	47.8	44.1	14.3	46.1	27.5	791.0	61.4	426.0	17.7	0.0	130.0	18.8	60.8
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		2.6	33.3	64.9	30.3	30.9	0.0	49.7	0.0	59.2	42.0	45.8	37.1	39.6	48.9	39.3	36.9	32.1	38.0	32.5	44.9	<0.01	43.2	29.1	32.1
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		35.3	188.0	76.8	354.0	229.0	0.1	143.0	0.2	117.0	986.0	123.0	114.0	94.1	72.3	127.0	120.0	909.0	160.0	687.0	73.1	<0.01	308.0	73.3	104.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1	<1	<0.01	<1	<0.01	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<0.01	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.035	0.2	<0.035	<0.035	0.4	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.7	<0.035	<0.035	<0.035	<0.035	<0.035
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP217	AEC18-LF-TP217	AEC18-LF-TP218	AEC18-LF-TP218	AEC18-LF-TP219	AEC18-LF-TP219	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP222
						Sample Top	2.50	3.50	0.50	1.50	2.50	0.80	3.10	4.10	1.80	2.80	4.50	1.50	2.50	0.50	3.50	1.50	4.50	0.50	2.50	4.50	0.20	1.20	3.50	1.00
						Sample Ref	3	4	1	2	3	2	4	5	5	6	8	2	3	1	4	2	6	1	3	5	1	3	5	2
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg																								
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg																								
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg																								
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg																								
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg																								
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																								
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg																								
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg																								
Phenol	7600	POS PARK	mg/kg	0	mg/kg		<0.01	0.1	<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.0	<0.01	<0.01	<0.01	<0.01
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg																								
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg																								
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg																								
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg																								
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg																								
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg																								
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg																								
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg																								
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg																								
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg																								
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg																								
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg																								
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg																								
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg																								
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg																								
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																								
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg																								
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg																								
Chloroform	99.1	Commercial	mg/kg	0	mg/kg																								
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg																								
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg																								
Tribromomethane	714	Commercial	mg/kg	0	mg/kg																								
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg																								
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg																								
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg																								
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg																								
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg																								
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg																								
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg																								
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg																								
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg																								
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																								
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg																								
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg																								
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg																								
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Hole Ref	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP217	AEC18-LF-TP217	AEC18-LF-TP218	AEC18-LF-TP218	AEC18-LF-TP219	AEC18-LF-TP219	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP222
					Sample Top	2.50	3.50	0.50	1.50	2.50	0.80	3.10	4.10	1.80	2.80	4.50	1.50	2.50	0.50	3.50	1.50	4.50	0.50	2.50	4.50	0.20	1.20	3.50	1.00
					Sample Ref	3	4	1	2	3	2	4	5	5	6	8	2	3	1	4	2	6	1	3	5	1	3	5	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg					<0.01																<0.01			
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg					<0.6	<0.3	<0.6	<0.3		<6						<0.6			<0.6		<0.3		<0.6	
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg						<0.5		<0.5		<1											<0.5			
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg						<0.5		<0.5		<1											<0.5			
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg		29.9	<4	<40	<40	<4	<4	370.0	<4	4.9	<4	<80	<4		<4	8.9		<4	<40	<4		<4	<4	<4
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10	<100	<100		<10	<100		<10					<10	<10			<100	<10			<10	<10
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg		21.9	<10	<100	<100		<10	<100		<10					<10	<10			<100	<10			<10	<10
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg		<11	<11	<110	<110		<11	<110		<11					<11	<11			<110	<11			<11	<11
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg		<5	<100	<1000	<100		<100	<100		<100					<100	<100			<50	<100			1350.0	<5
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg		<5	<5	<50	<50		<5	<50		<5					<5	<5			<50	<5			<5	<5
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg		231.0	<8	<80	<80		<8	<80		26.4					<8	<8			418.0	41.7			<8	<8
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10	<100	<100		<10	<100		<10					<10	<10			<100	<10			<10	<10
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg		<7	<7	<70	<70	<7	<7	<70	<7	<7	<7	<140	<7		<7	<7		<7	<70	<7		<7	<7	<7
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg		<5	<5	<50	<50		<5	<50		<5					<5	<5			<50	<5			<5	<5
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500	<100	<1000	<100		<100	<100		148.0					<100	114.0			<5000	<100			142.0	<500
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg		<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		1680.0	<100	<1000	420.0		<100	1220.0		9740.0					161.0	<100			15300.0	1270.0			<100	<500
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500	<100	<1000	<100		<100	<100		114.0					<100	<100			<5000	<100			<100	<500
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg		<20	<100	<1000	<100		<100	<100		<100					<100	<100			<200	<100			<100	<20
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10	<100	<100		<10	<100		<10					<10	<10			<100	<10			<10	<10
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg		<5	<5	<50	<50		<5	<50		<5					<5	<5			<50	<5			<5	<5
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg		11700.0	<100	6170.0	378.0		221.0	<100		137.0					124.0	<100			<5000	1330.0			<100	<500
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg		18.8	<10	<100	<100		<10	<100		<10					<10	<10			<100	<10			<10	<10
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg		<6	<6	<60	<60		<6	<60		<6					<6	<6			<60	<6			<6	<6
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10	<100	<100		<10	<100		<10					<10	<10			<100	<10			<10	<10
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg		<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10	<100	<100		<10	<100		<10					<10	<10			<100	<10			<10	<10
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10	<100	<100		<10	<100		<10					<10	<10			<100	<10			<10	<10
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg		<8	<8	<80	<80		<8	<80		<8					<8	<8			<80	<8			<8	<8
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg		<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg		14.8	<9	<90	<90	<9	<9	<90	<9	<9	<9	<180	<9		<9	<9		<9	<90	<9		<9	<9	<9
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg		<7	<7	<70	<70		<7	<70		<7					<7	<7			<70	<7			<7	<7
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg						0.6		0.5													0.1			
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg		<7	<7	<70	<70		<7	<70		<7					<7	<7			<70	<7			<7	<7
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10	<100	<100		<10	<100		<10					<10	<10			<100	<10			<10	<10

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP217	AEC18-LF-TP217	AEC18-LF-TP218	AEC18-LF-TP218	AEC18-LF-TP219	AEC18-LF-TP219	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP222
						Sample Top	2.50	3.50	0.50	1.50	2.50	0.80	3.10	4.10	1.80	2.80	4.50	1.50	2.50	0.50	3.50	1.50	4.50	0.50	2.50	4.50	0.20	1.20	3.50	1.00
						Sample Ref	3	4	1	2	3	2	4	5	5	6	8	2	3	1	4	2	6	1	3	5	1	3	5	2
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg			<6	<6	<60	<60		<6	<60		<6					<6	<6			<60	<6			<6	<6
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg			29.8	<10	<100	<100		<10	<100		<10					21.9	<10			<100	35.0			<10	<10
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg			18.5	<7	<70	<70		<7	<70		15.0					11.0	8.3			<70	22.9			<7	<7
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10	<10	<100	<100		<10	<100		<10					<10	<10			<100	<10			<10	<10
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg			<7	<7	<70	<70		<7	<70		<7					<7	<7			<70	<7			<7	<7
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg			<8	<8	<80	<80		<8	<80		<8					<8	<8			<80	<8			<8	<8
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg			<10	<10	<100	<100		<10	<100		<10					<10	<10			<100	<10			<10	<10
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg			<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg			<10	<10	<100	<100		<10	<100		<10					<10	<10			<100	<10			<10	<10
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg			<10	<10	<100	<100		<10	<100		<10					<10	<10			<100	<10			<10	<10
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg			<9	<9	<90	<90		<9	<90		<9					<9	<9			<90	<9			<9	<9
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10	<10	<100	<100		<10	<100		<10					<10	<10			<100	<10			<10	<10
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg			41200.0	<100	<1000	<100		<100	<100		228.0					<100	<100			94300.0	<100			<100	<500
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			3580.0	<100	<1000	1130.0		<100	<100		661.0					<100	<100			71100.0	<100			<100	<500
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg			2890.0	<100	5300.0	252.0		<100	132.0		<100					124.0	<100			<5000	507.0			<100	<500
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg			<20	<20	<200	<200		<20	<200		<20					<20	<20			<200	<20			<20	<20
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg			<20	<100	<1000	<100		<100	<100		<100					<100	<100			<200	<100			<100	<20
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg			11500.0	<100	<1000	<100		<100	<100		<100					<100	<100			213000.0	637.0			<100	<500
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg			<500	<100	<1000	<100		<100	<100		<100					<100	<100			15600.0	<100			<100	<500
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg			39.1	<10	<100	<100	<10	<10	<100	<10	<10	<10	<200	<10		<10	<10		<10	<100	<10		<10	<10	<10
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10	<10	<100	<100		<10	<100		<10					<10	<10			<100	<10			<10	<10
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg			656.0	<9	<90	<90		<9	<90		57.4					<9	<9			2030.0	174.0			<9	<9
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg			17.6	<5	<50	<50		<5	<50		<5					<5	<5			<50	<5			<5	<5
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg			<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg			143.0	<10	<100	<100		<10	<100		<10					<10	<10			<100	<10			<10	<10
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg			53.6	<10	<100	<100	<10	<10	<100	<10	45.1	14.0	<200	<10		<10	<10		<10	211.0	27.6		<10	<10	<10
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000																		<50	
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000																		<50	
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000																		<50	
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg						<1000																		<50	
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000																		<50	
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000																		<50	
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg						<1000																		<50	
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			3590.0	<100	53800.0	1290.0	43.3	1050.0	68.2	73.8	251.0	97.2	59.8	49.4		459.0	148.0		1170.0	<5000	1790.0		326.0	<100	<500
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg			19400.0	<100	132000.0	9400.0	248.0	10000.0	272.0	430.0	1920.0	392.0	391.0	215.0		2180.0	992.0		6420.0	<5000	5230.0		1760.0	119.0	2580.0
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg			1570.0	<100	22900.0	1880.0	123.0	886.0	55.3	142.0	581.0	90.2	229.0	70.0		806.0	353.0		2260.0	<5000	885.0		677.0	<100	<500
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg			1820.0	<100	26200.0	2670.0	106.0	1290.0	60.0	111.0	661.0	69.8	171.0	64.8		843.0	342.0		2200.0	<5000	1230.0		643.0	<100	<500
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg			3710.0	<100	45000.0	2620.0	208.0	4390.0	97.0	275.0	650.0	190.0	322.0	136.0		831.0	524.0		3640.0	1130.0	1840.0		730.0	67.8	<500
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg			28300.0	<100	166000.0	11400.0	283.0	13800.0	342.0	530.0	1710.0	464.0	434.0	253.0		2260.0	1030.0		7180.0	3510.0	9210.0		1990.0	126.0	1120.0

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP217	AEC18-LF-TP217	AEC18-LF-TP218	AEC18-LF-TP218	AEC18-LF-TP219	AEC18-LF-TP219	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP222
						Sample Top	2.50	3.50	0.50	1.50	2.50	0.80	3.10	4.10	1.80	2.80	4.50	1.50	2.50	0.50	3.50	1.50	4.50	0.50	2.50	4.50	0.20	1.20	3.50	1.00
						Sample Ref	3	4	1	2	3	2	4	5	5	6	8	2	3	1	4	2	6	1	3	5	1	3	5	2
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		1410.0	<100	20800.0	1780.0	88.8	1550.0	37.4	111.0	524.0	81.6	152.0	48.1		880.0	342.0		1170.0	<5000	1040.0		430.0	29.2	<500
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500	<100	<1000	<100	17.4	<100	<100	<12	<100	<12	28.9	14.9		<100	<100		280.0	<5000	212.0		101.0	<100	<500
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		3080.0	<100	42400.0	2910.0	122.0	2120.0	84.6	198.0	695.0	144.0	212.0	95.3		880.0	433.0		2670.0	<5000	1850.0		757.0	52.5	527.0
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg		2740.0	<100	43100.0	5020.0	139.0	3510.0	96.1	196.0	730.0	119.0	347.0	91.1		1190.0	524.0		3550.0	<5000	1950.0		960.0	65.8	559.0
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg		<500	<100	4980.0	322.0	<23	185.0	<100	29.9	114.0	<23	56.3	<23		136.0	<100		575.0	177.0	177.0		140.0	<100	170.0
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg		3410.0	<100	51000.0	5030.0	144.0	2830.0	97.9	197.0	798.0	134.0	281.0	93.9		1000.0	536.0		3380.0	906.0	2890.0		982.0	56.9	548.0
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		15100.0	<100	25800.0	686.0	<8	381.0	52.5	105.0	355.0	126.0	15.6	63.9		285.0	137.0		239.0	<5000	1860.0		30.7	<100	<500
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg		35900.0	<100	190000.0	4630.0	121.0	4800.0	145.0	241.0	1010.0	307.0	241.0	204.0		1950.0	319.0		3290.0	<5000	10900.0		1080.0	57.5	<500
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		13100.0	<10	24400.0	672.0	<10	529.0	77.5	104.0	296.0	112.0	27.7	71.8		335.0	<100		256.0	<5000	2140.0		75.2	<100	<500
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg		14000.0	<100	<1000	<100	33.2	<100	<100	13.1	<13	28.4	170.0	153.0		<100	<100		86.4	69400.0	61.8		18.9	<100	<13
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.015	0.0	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.6	<0.015	<0.015	<0.015	<0.015	<0.015
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.01	0.1	<0.01	<0.01	0.4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.0	<0.01	<0.01	<0.01	<0.01
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg					<0.02																		<0.02	
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10	<100	<100	<10	<10	<100	<10	<10	<10				<10	<10			<100	<10			<10	<10
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg		16.7	<10	<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10			<10	<10
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10			<10	<10
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg		1540.0	<10	114.0	511.0	<10	86.1	565.0	67.3	366.0	306.0				181.0	75.2			4180.0	964.0			80.2	23.2
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg		3220.0	<10	143.0	343.0	<10	61.5	545.0	41.3	174.0	256.0				160.0	60.4			3500.0	1150.0			70.8	20.0
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg		66700.0	<100	28900.0	9530.0	<100	1640.0	4910.0	<100	45700.0	14200.0				8440.0	1610.0			233000.0	41600.0			4300.0	5580.0
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		126000.0	534.0	202000.0	61200.0	5130.0	6920.0	29000.0	4590.0	328000.0	89700.0				60200.0	18400.0			332000.0	180000.0			29100.0	55500.0
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg		429000.0	7370.0	440000.0	217000.0	40600.0	23300.0	154000.0	26800.0	1850000.0	311000.0				197000.0	65500.0			1040000.0	325000.0			843000.0	378000.0
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg		163000.0	5770.0	162000.0	82100.0	14900.0	10400.0	35200.0	2370.0	335000.0	54900.0				142000.0	22400.0			210000.0	59900.0			605000.0	192000.0
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg		36.9	<10	34.8	56.0	<10	<10	12.0	<10	13.7	12.5				19.8	<10			11.6	15.3			<10	<10
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg		212.0	<10	74.4	312.0	<10	92.3	155.0	29.5	154.0	98.8				74.4	27.4			266.0	241.0			31.9	13.7
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg		2300.0	<10	140.0	664.0	<10	128.0	456.0	59.0	433.0	421.0				272.0	82.1			3990.0	1260.0			120.0	33.7
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg		4830.0	<10	214.0	515.0	<10	92.3	817.0	61.4	261.0	384.0				239.0	90.1			5240.0	1730.0			106.0	29.5
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg		28800.0	<100	6880.0	8200.0	<100	2770.0	12000.0	484.0	193000.0	25900.0				3290.0	<100			219000.0	11700.0			4720.0	8380.0
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		62800.0	<100	40100.0	55800.0	2860.0	7470.0	64900.0	9290.0	1370000.0	157000.0				13600.0	9850.0			253000.0	58100.0			34100.0	39900.0
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		819000.0	6080.0	211000.0	257000.0	55900.0	23200.0	439000.0	74300.0	6770000.0	735000.0				113000.0	37900.0			2630000.0	360000.0			959000.0	251000.0
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		228000.0	<100	71300.0	60200.0	6170.0	6040.0	58700.0	18400.0	946000.0	91400.0				59200.0	7720.0			83600.0	23000.0			583000.0	131000.0
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg						<0.3		<0.3													<0.3			
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg						0.1		0.2													<0.03			
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500	<100	<1000	<100		<100	<100		148.0					<100	<100			<5000	<100			<100	<500
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500	<100	<1000	<100		<100	<100		<100					<100	<100			<5000	<100			<100	<500

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP222	AEC18-LF-TP223	AEC18-LF-TP223	AEC18-LF-TP223	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP226	AEC18-LF-TP226	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP232	AEC18-LF-TP232
						Sample Top	2.00	0.50	3.50	4.50	0.50	1.50	3.50	4.50	0.20	1.50	4.50	1.50	3.50	0.20	2.50	4.50	1.50	2.50	3.50	0.20	3.50	4.50	1.50	2.30
						Sample Ref	3	1	4	5	1	2	4	5	1	2	5	3	5	1	4	6	3	4	5	1	4	5	3	4
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg																									
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg																									
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg																									
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg		<1	<1	<0.5	<1	<1	<1	2.1	<1	<1	2.1	4.3	<0.5	<1	<1	<1	<1	<1	<0.5	1.2	<1	<1	2.0	<1	<1
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		108.0	57.6	0.0	18.7	76.4	41.6	53.7	97.3	33.4	129.0	238.0	0.0	160.0	55.2	27.5	124.0	84.6	1590.0	308.0	43.7	554.0	197.0	46.7	97.7
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.14	<0.14	<0.0001	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	0.8	0.5	<0.0001	<0.14	<0.14	<0.14	<0.14	<0.14	<0.0001	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		25.8	22.6	0.1	12.7	22.0	12.1	38.8	24.5	28.7	12.9	56.7	0.0	38.3	16.2	21.2	36.9	20.2	0.0	32.7	48.1	34.5	29.8	36.5	21.5
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg		3.4	<0.6	0.1	<0.6	<0.6	<0.6	<0.6	3.2	<0.6	3.4	2.0	0.0	<0.6	<0.6	<0.6	<0.6	<0.6	0.0	2.8	<0.6	33.0	4.4	<0.6	<0.6
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		10.4	14.1	0.1	9.5	18.6	7.3	15.5	14.5	28.9	7.6	22.0	0.0	16.2	11.9	16.3	18.1	16.4	0.0	14.0	40.3	17.2	12.8	14.3	14.2
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		0.7	2.0	<0.001	0.2	0.6	0.5	0.5	0.6	1.0	0.4	1.4	<0.001	1.2	0.7	1.0	1.1	0.8	0.0	0.6	0.1	1.4	0.9	0.9	1.1
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		2.8	1.3	1.9	1.4	<1	1.1	2.7	1.9	1.3	1.7	3.3	<1	3.1	<1	1.5	3.1	<1	0.5	2.2	<1	2.1	1.9	1.4	1.8
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		1.2	0.1	<0.0008	0.1	<0.02	0.2	0.5	0.4	0.1	1.5	18.0	<0.0008	0.8	0.3	<0.02	0.2	0.1	<0.0008	0.3	<0.02	12.6	2.8	2.2	0.4
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		113.0	27.9	0.1	9.8	9.7	9.4	49.7	15.2	15.0	26.2	55.2	0.1	28.0	18.7	27.7	22.2	17.0	0.1	78.4	<0.9	56.4	30.9	25.6	16.5
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		64.0	49.6	0.0	59.5	21.0	41.7	65.8	39.7	20.8	127.0	234.0	0.0	63.9	26.8	18.6	83.2	30.6	0.0	95.2	30.3	177.0	159.0	21.2	48.8
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		22.0	49.1	0.0	12.8	64.5	19.5	24.3	32.6	40.5	9.5	22.2	0.0	51.5	36.0	53.2	44.1	30.5	0.1	31.9	34.8	44.1	34.7	44.8	31.3
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		176.0	97.7	0.0	47.9	91.4	68.8	246.0	299.0	80.8	456.0	74.4	0.0	229.0	118.0	54.2	149.0	97.9	1000.0	245.0	150.0	476.0	261.0	72.3	148.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<0.01	<1	<1	<1	<1	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1	<0.01	<1	<1	4.0	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.035	<0.035	<0.035	0.1	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.1	<0.035	<0.035	<0.035	<0.035	0.1	<0.035	<0.035	<0.035	0.2	<0.035	0.1
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP222	AEC18-LF-TP223	AEC18-LF-TP223	AEC18-LF-TP223	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP226	AEC18-LF-TP226	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP232	AEC18-LF-TP232
						Sample Top	2.00	0.50	3.50	4.50	0.50	1.50	3.50	4.50	0.20	1.50	4.50	1.50	3.50	0.20	2.50	4.50	1.50	2.50	3.50	0.20	3.50	4.50	1.50	2.30
						Sample Ref	3	1	4	5	1	2	4	5	1	2	5	3	5	1	4	6	3	4	5	1	4	5	3	4
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	**3860**	**Commercial**	**mg/kg**	**0**	mg/kg																								
n-Butylbenzene	**26.598**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4-Dimethylphenol	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
3/4 Methylphenol	**46000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,4-Dichlorobenzene	**4220**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,2-Dichloroethane	**0.671**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,3,5-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Bromobenzene	**91.5**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chlorobenzene	**55.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Phenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.0	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bis(2-chloroethoxy)methane	**0.956**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Bis(2-ethylhexyl)phthalate	**16600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Di-N-Octyl Phthalate	**20000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Hexachlorobenzene (HCB)	**28.9**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,4-Trichlorobenzene	**215**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4-Dichlorophenol	**977**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2,4-Dinitrotoluene	**928**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Dibromochloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Tetrachloroethene	**18.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Dimethylphthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Dibenzofuran	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Sec-Butylbenzene	**26.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
cis-1,2-Dichloroethene	**13.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
trans-1,2-Dichloroethene	**20.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Methyl tert-butyl ether (MTBE)	**7480**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,3-Dichlorobenzene	**29.9**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Tetrachloromethane (Carbon Tetra Chloride)	**2.87**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,3,4,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Chloro-3-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2,6-Dinitrotoluene	**468**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,1,1,2-Tetrachloroethane	**108**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chloroform	**99.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1,1-Trichloroethane	**660**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chloroethene	**0.0594**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Tribromomethane	**714**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Bromodichloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1-Dichloroethane	**263**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1-Dichloroethene	**24.3**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,2-Dichloropropane	**3.13**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1,2-Trichloroethane	**89.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Trichloroethene	**1.23**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Diethylphthalate	**89300**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Di-N-Butyl Phthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Butylbenzylphthalate	**254000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Carbazole	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,3 Trichlorobenzene	**102**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Hexachlorobutadiene (HCBD)	**30.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Pentachlorophenol (PCP)	**113**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2,4,6-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2-Methylnaphthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Chloronaphthalene	**370**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,3,5,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Hole Ref	AEC18-LF-TP222	AEC18-LF-TP223	AEC18-LF-TP223	AEC18-LF-TP223	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP226	AEC18-LF-TP226	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP232	AEC18-LF-TP232
					Sample Top	2.00	0.50	3.50	4.50	0.50	1.50	3.50	4.50	0.20	1.50	4.50	1.50	3.50	0.20	2.50	4.50	1.50	2.50	3.50	0.20	3.50	4.50	1.50	2.30
					Sample Ref	3	1	4	5	1	2	4	5	1	2	5	3	5	1	4	6	3	4	5	1	4	5	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.01															<0.01					<0.01			
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.6		<0.3									<0.3	<0.6					<0.3			<0.6			
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg			<0.5									<0.5						<0.5						
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg			<0.5									<0.5						<0.5						
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg	2550.0		<40	225.0		<4	29.3	<80			1760.0	10.3	<80		<80	861.0	94.5	137.0	164.0		471.0	389.0	<4	6.7
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100	<100			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100	<100			18.9	<200			<200	<10	<200			<200		<10			<200	125.0	<10	<10
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg			<110	<110			22.1	<220			<220	<11	<220			<220		<11			<220	144.0	<11	<11
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		148.0			<100	<100	<200	<500
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg			<50	117.0			<100	271.0			<500	<100	2100.0			<100		<100			<100	<100	<200	<500
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg			<50	<50			<5	<100			<100	<5	<100			<100		<5			<100	<5	<5	<5
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg			<80	176.0			113.0	311.0			433.0	71.4	321.0			267.0		43.0			387.0	744.0	<8	<8
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg			<100	<100			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg	<140		<70	<70		<7	<7	<140			<140	<7	<140		<140	<140	<7	<7	<7		<140	<7	<7	<7
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg			<50	<50			8.6	506.0			<100	<5	<100			<100		<5			<100	<5	<5	<5
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	262.0			153.0	155.0			<500	151.0	188.0			157.0		114.0			<100	<100	<200	<500
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg			710.0	2090.0			354.0	1600.0			2460.0	696.0	1230.0			436.0		2020.0			3000.0	135000.0	<200	<500
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			627.0	229.0	<200	<500
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg	<2000		<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200	<100			<100	<100			<400	<100	<100			<100		<100			<100	<100	<20	<20
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg			<100	<100			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg			<50	<50			<5	<100			<100	<5	<100			<100		<5			<100	<5	<5	<5
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg			10800.0	185.0			590.0	<100			<500	464.0	<100			<100		<100			154.0	267.0	<200	12400.0
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg			<100	<100			14.9	<200			<200	<10	<200			<200		<10			<200	75.4	<10	<10
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg			<60	<60			<6	<120			<120	<6	<120			<120		<6			<120	<6	<6	<6
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg			<100	<100			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<160	<100	<100			<100		<100			<100	<100	<200	<500
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg			<100	<100			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	6240.0			<100		<100			<100	<100	<200	<500
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100	<100			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg			<80	<80			<8	<160			<160	<8	<160			<160		<8			<160	<8	<8	<8
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg	<180		<90	<90		<9	<9	<180			<180	<9	<180		<180	<180	<9	<9	<9		<180	22.6	<9	<9
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg			<70	<70			<7	<140			<140	<7	<140			<140		<7			<140	<7	<7	<7
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg			0.5									1.2						0.4						
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg			<70	<70			<7	<140			<140	<7	<140			<140		<7			<140	<7	<7	<7
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100	<100			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP222	AEC18-LF-TP223	AEC18-LF-TP223	AEC18-LF-TP223	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP226	AEC18-LF-TP226	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP232	AEC18-LF-TP232
						Sample Top	2.00	0.50	3.50	4.50	0.50	1.50	3.50	4.50	0.20	1.50	4.50	1.50	3.50	0.20	2.50	4.50	1.50	2.50	3.50	0.20	3.50	4.50	1.50	2.30
						Sample Ref	3	1	4	5	1	2	4	5	1	2	5	3	5	1	4	6	3	4	5	1	4	5	3	4
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg			<60	<60			<6	<120			<120	<6	<120			<120		<6			<120	<6	<6	<6
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100	<100			20.2	<200			<200	21.2	<200			<200		20.5			<200	<10	<10	<10
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<70	<70			17.1	<140			<140	<7	204.0			<140		<7			<140	34.8	<7	11.3
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100	<100			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg			<70	<70			<7	<140			<140	<7	<140			<140		<7			<140	<7	<7	<7
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg			<80	<80			<8	<160			<160	<8	<160			<160		<8			<160	<8	<8	<8
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg			<100	<100			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg			<100	<100			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg			<100	<100			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg			<90	<90			<9	<180			<180	<9	<180			<180		<9			<180	<9	<9	<9
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100	<100			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	1550.0			260.0	<100			691.0	3490.0	<100			<100		308.0			371.0	267.0	<200	<500
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	600.0			<100	3610.0			<500	26800.0	1040.0			<100		114.0			35400.0	5440.0	<200	<500
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg			<500	<100			920.0	<100			<500	139.0	<100			<100		<100			<100	165.0	<200	3810.0
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200	<200			<20	<400			<400	<20	<400			<400		<20			<400	<20	<20	<20
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg			<200	<100			<100	<100			<400	<100	<100			<100		<100			<100	<100	<20	<20
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg			1410.0	404.0			413.0	<100			<500	<100	<100			<100		684.0			166.0	305.0	<200	9250.0
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg	473.0		<100	<100		<10	75.2	<200			<200	<10	<200		<200	403.0	12.9	24.1	37.6		<200	78.2	<10	<10
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100	<100			<10	<100			<200	<10	<100			<100		<10			<100	<10	<10	<10
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg			147.0	500.0			468.0	1080.0			963.0	265.0	2250.0			879.0		141.0			1070.0	2340.0	<9	25.9
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg			<50	<50			13.1	<100			<100	<5	<100			<100		<5			<100	74.2	<5	<5
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg			<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100	<100			74.2	<200			<200	<10	<200			<200		<10			<200	135.0	<10	22.7
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg	3560.0		195.0	2310.0		12.8	747.0	972.0			1980.0	104.0	499.0		<200	1940.0	262.0	354.0	463.0		4200.0	2350.0	<10	19.2
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																								
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<2000															<50					<50			
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<2000															<50					<50			
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<2000															<50					<50			
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg	<2000															<50					<50			
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<2000															<50					<50			
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<2000															<50					<50			
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg	<2000															<50					<50			
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg	519.0		28400.0	162.0		161.0	553.0	142.0			<500	960.0	344.0		86.9	<100	<80	126.0	90.1		256.0	368.0	<16	12800.0
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg	2660.0		74100.0	1170.0		1300.0	1630.0	1140.0			819.0	4250.0	2430.0		410.0	351.0	618.0	650.0	755.0		1980.0	2010.0	129.0	35600.0
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg	1260.0		17500.0	90.9		382.0	278.0	569.0			800.0	2500.0	621.0		106.0	133.0	238.0	206.0	415.0		269.0	508.0	71.9	10700.0
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg	1210.0		21300.0	58.3		388.0	1120.0	645.0			697.0	3410.0	688.0		92.4	133.0	197.0	182.0	559.0		226.0	546.0	79.2	12600.0
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg	624.0		22200.0	146.0		818.0	1120.0	873.0			<500	3340.0	875.0		234.0	<100	317.0	239.0	624.0		650.0	1950.0	139.0	15500.0
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg	2830.0		80200.0	524.0		1420.0	3750.0	1030.0			998.0	4340.0	2710.0		454.0	1330.0	645.0	604.0	796.0		2500.0	2350.0	142.0	40800.0

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP222	AEC18-LF-TP223	AEC18-LF-TP223	AEC18-LF-TP223	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP226	AEC18-LF-TP226	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP232	AEC18-LF-TP232
						Sample Top	2.00	0.50	3.50	4.50	0.50	1.50	3.50	4.50	0.20	1.50	4.50	1.50	3.50	0.20	2.50	4.50	1.50	2.50	3.50	0.20	3.50	4.50	1.50	2.30
						Sample Ref	3	1	4	5	1	2	4	5	1	2	5	3	5	1	4	6	3	4	5	1	4	5	3	4
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		935.0		17200.0	60.8		330.0	224.0	378.0			<500	1640.0	413.0		76.3	145.0	157.0	136.0	224.0		242.0	787.0	54.3	6670.0
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		112.0		<12	<100		39.2	54.7	<100			<500	267.0	<100		19.2	<100	<60	<100	48.7		<100	<100	<12	1590.0
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		956.0		26600.0	153.0		526.0	482.0	219.0			<500	2310.0	902.0		145.0	157.0	260.0	205.0	339.0		653.0	851.0	83.2	11900.0
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg		1620.0		25600.0	108.0		701.0	1390.0	689.0			<500	3890.0	938.0		164.0	169.0	329.0	244.0	530.0		381.0	940.0	107.0	13600.0
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg		240.0		3790.0	<100		102.0	75.1	<100			<500	554.0	<100		26.4	<100	<115	<100	74.5		<100	<100	<23	2030.0
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg		1060.0		34000.0	152.0		684.0	590.0	604.0			640.0	2520.0	950.0		181.0	157.0	265.0	228.0	269.0		505.0	1090.0	94.2	14300.0
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		317.0		11800.0	196.0		59.9	288.0	155.0			<500	963.0	210.0		56.3	<100	<40	<100	111.0		256.0	318.0	11.3	4360.0
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg		1690.0		98800.0	729.0		609.0	2210.0	581.0			653.0	1050.0	1490.0		324.0	290.0	208.0	445.0	516.0		1190.0	1790.0	67.0	41700.0
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		358.0		15100.0	209.0		58.1	463.0	129.0			<500	684.0	200.0		50.7	<100	<50	<100	172.0		230.0	445.0	13.2	9240.0
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg		186.0		<500	<130		15.7	234.0	490.0			<260	19.3	<100		141.0	<100	<45	37.4	68.9		243.0	330.0	<200	1880.0
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.015	<0.015	<0.075	<0.075	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.1	0.0	<0.015	0.0	0.2	<0.015	0.1
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.0	<0.01	<0.05	0.1	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.02															<0.02		<0.02			<0.02			
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg		<200		<100	<100			<10	<200			<200	<10	<200			<200	<10	<10			<200	<10	<10	<10
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg		14.3		<10	<10				<10				<10	<10				<10	<10				16.5	<10	<10
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<10	29.5				<10				<10	43.8				<10	<10				<10	<10	<10
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg		2610.0		1720.0	2260.0				3100.0				2020.0	2550.0				400.0	658.0				3840.0	181.0	348.0
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg		419.0		657.0	430.0				2110.0				517.0	1780.0				168.0	122.0				2580.0	552.0	727.0
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg		13500.0		22100.0	24800.0				5450.0				5700.0	14600.0				<100	<100				46200.0	1080.0	53000.0
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		196000.0		105000.0	89700.0				63500.0				43700.0	117000.0				<100	11000.0				86700.0	5490.0	160000.0
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg		1350000.0		343000.0	524000.0				306000.0				162000.0	323000.0				24900.0	104000.0				320000.0	19500.0	400000.0
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg		398000.0		117000.0	133000.0				45100.0				36000.0	59700.0				4560.0	18300.0				60900.0	5830.0	140000.0
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg		71.4		29.8	44.7				21.9				12.8	32.5				17.1	<10				36.8	29.5	16.1
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg		2270.0		751.0	406.0				315.0				179.0	1580.0				35.3	22.8				404.0	153.0	92.0
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg		1790.0		1720.0	1070.0				2890.0				1570.0	2780.0				120.0	264.0				3120.0	271.0	523.0
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg		628.0		987.0	645.0				3160.0				776.0	2670.0				252.0	182.0				3860.0	828.0	1090.0
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg		37700.0		15800.0	85100.0				9210.0				10100.0	19800.0				578.0	1790.0				87900.0	2260.0	28000.0
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		335000.0		73000.0	262000.0				47000.0				52200.0	90500.0				5790.0	19500.0				181000.0	7930.0	76000.0
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		3220000.0		546000.0	2010000.0				187000.0				205000.0	315000.0				72300.0	177000.0				819000.0	14500.0	349000.0
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		665000.0		185000.0	391000.0				47900.0				51500.0	74500.0				15500.0	24400.0				96100.0	<100	91200.0
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg				<0.3									<0.3						<0.3					
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg				0.4									0.1						0.1					
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg				1220.0	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg				<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg				<500	<100			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP233	AEC18-LF-TP233	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP237	AEC18-LF-TP237	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP241	AEC18-LF-TP241	AEC18-LF-TP242	AEC18-LF-TP242	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP244	AEC18-LF-TP244	AEC18-LF-TP246	AEC18-LF-TP246	AEC18-LF-TP246	AEC18-LF-TP247	AEC18-LF-TP247
						Sample Top	0.30	1.50	0.50	3.50	3.50	1.50	4.50	0.10	2.00	4.00	1.50	4.50	1.50	5.50	1.00	3.00	4.30	1.40	3.40	0.30	2.50	4.30	1.10	3.10
						Sample Ref	1	3	1	4	5	3	6	1	3	5	2	5	1	6	2	4	5	2	4	1	3	5	2	4
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg																								
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg																								
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg																								
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg		<1	<1	<1	1.1		<1	<0.5	<1	<1	13.1	5.9	<0.5	<1	155.0	<1	4.7	6.4	<1	<1	<1	<1	<1	<1	<1
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		48.9	209.0	11.0	93.2		93.3	0.0	39.8	168.0	124.0	145.0	210.0	555.0	267.0	84.9	81.9	437.0	24.2	53.1	28.5	91.6	114.0	25.1	31.9
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.14	<0.14	<0.14	<0.14		<0.14	<0.0001	<0.14	<0.14	<0.14	<1.4	<0.0001	<0.14	<0.14	<0.14	<1.4	1.4	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		27.2	14.8	7.0	86.5		24.1	0.4	13.7	17.4	30.5	1080.0	0.2	38.3	18100.0	28.5	69.4	72.7	20.5	24.5	19.0	27.4	17.7	21.0	37.5
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.6	<0.6	<0.6	<0.6		4.8	0.2	<0.6	2.7	6.0	12.0	0.1	1.8	63.3	<0.6	<6	13.7	<0.6	<0.6	<0.6	<0.6	2.1	<0.6	<0.6
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		16.0	19.3	5.4	16.4		16.1	0.1	7.6	8.7	19.3	22.8	0.0	18.6	16.0	17.0	31.1	22.0	13.8	15.2	22.6	16.0	12.2	14.8	22.6
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		1.0	0.9	0.5	1.0		0.8	<0.001	0.7	0.8	3.7	0.5	<0.001	2.2	0.6	1.1	0.7	1.4	0.9	1.0	1.0	1.2	0.5	1.0	1.0
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	1.9	<1	5.3		2.4	2.8	<1	<1	3.2	3.5	6.0	1.9	44.0	1.7	2.0	3.3	<1	<1	<1	1.5	3.1	<1	<1
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		0.2	0.2	<0.02	0.5		<0.02	<0.0008	<0.02	0.9	0.5	2.0	0.0	0.3	0.1	0.5	0.9	0.6	0.1	0.7	0.1	0.2	1.2	0.2	0.4
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		31.7	30.6	8.7	36.7		21.0	164.0	9.9	14.9	9.0	412.0	0.1	26.0	8670.0	19.1	131.0	18.2	25.2	18.0	36.5	34.1	10.8	25.5	10.2
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		26.8	25.6	8.3	58.0		34.3	0.1	70.1	46.3	1370.0	195.0	78200.0	51.2	3910.0	54.7	107.0	87600.0	19.1	297.0	24.4	23.4	36.8	16.7	18.4
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		45.4	36.6	18.5	38.3		42.9	0.0	67.4	29.5	35.0	28.9	<0.01	51.0	5.8	43.0	74.5	27.4	51.2	48.7	60.8	63.0	24.2	52.4	41.9
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		159.0	182.0	30.7	262.0		152.0	2260.0	81.0	393.0	156.0	691.0	92000.0	315.0	7900.0	222.0	185.0	445.0	60.8	172.0	88.0	80.8	147.0	85.8	104.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1		1.9	<0.01	<1	<1	<1	<10	<0.01	<1	<1	<1	<10	1.0	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.035	<0.035	<0.035	0.1		<0.035	0.4	<0.035	<0.035	<0.035	<0.035	0.3	<0.035	0.3	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP233	AEC18-LF-TP233	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP237	AEC18-LF-TP237	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP241	AEC18-LF-TP241	AEC18-LF-TP242	AEC18-LF-TP242	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP244	AEC18-LF-TP244	AEC18-LF-TP246	AEC18-LF-TP246	AEC18-LF-TP246	AEC18-LF-TP247	AEC18-LF-TP247
						Sample Top	0.30	1.50	0.50	3.50	3.50	1.50	4.50	0.10	2.00	4.00	1.50	4.50	1.50	5.50	1.00	3.00	4.30	1.40	3.40	0.30	2.50	4.30	1.10	3.10
						Sample Ref	1	3	1	4	5	3	6	1	3	5	2	5	1	6	2	4	5	2	4	1	3	5	2	4
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	**3860**	**Commercial**	**mg/kg**	**0**	mg/kg																								
n-Butylbenzene	**26.598**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4-Dimethylphenol	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
3/4 Methylphenol	**46000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,4-Dichlorobenzene	**4220**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,2-Dichloroethane	**0.671**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,3,5-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Bromobenzene	**91.5**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chlorobenzene	**55.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Phenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	0.0	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bis(2-chloroethoxy)methane	**0.956**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Bis(2-ethylhexyl)phthalate	**16600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Di-N-Octyl Phthalate	**20000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Hexachlorobenzene (HCB)	**28.9**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,4-Trichlorobenzene	**215**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4-Dichlorophenol	**977**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2,4-Dinitrotoluene	**928**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Dibromochloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Tetrachloroethene	**18.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Dimethylphthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Dibenzofuran	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Sec-Butylbenzene	**26.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
cis-1,2-Dichloroethene	**13.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
trans-1,2-Dichloroethene	**20.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Methyl tert-butyl ether (MTBE)	**7480**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,3-Dichlorobenzene	**29.9**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Tetrachloromethane (Carbon Tetra Chloride)	**2.87**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,3,4,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Chloro-3-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2,6-Dinitrotoluene	**468**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,1,1,2-Tetrachloroethane	**108**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chloroform	**99.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1,1-Trichloroethane	**660**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chloroethene	**0.0594**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Tribromomethane	**714**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Bromodichloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1-Dichloroethane	**263**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1-Dichloroethene	**24.3**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,2-Dichloropropane	**3.13**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1,2-Trichloroethane	**89.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Trichloroethene	**1.23**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Diethylphthalate	**89300**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Di-N-Butyl Phthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Butylbenzylphthalate	**254000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Carbazole	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,3 Trichlorobenzene	**102**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Hexachlorobutadiene (HCBD)	**30.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Pentachlorophenol (PCP)	**113**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2,4,6-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2-Methylnaphthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Chloronaphthalene	**370**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,3,5,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	AEC18-LF-TP233	AEC18-LF-TP233	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP237	AEC18-LF-TP237	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP241	AEC18-LF-TP241	AEC18-LF-TP242	AEC18-LF-TP242	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP244	AEC18-LF-TP244	AEC18-LF-TP246	AEC18-LF-TP246	AEC18-LF-TP246	AEC18-LF-TP247	AEC18-LF-TP247
					Hole Ref																								
					Sample Top	0.30	1.50	0.50	3.50	3.50	1.50	4.50	0.10	2.00	4.00	1.50	4.50	1.50	5.50	1.00	3.00	4.30	1.40	3.40	0.30	2.50	4.30	1.10	3.10
					Sample Ref	1	3	1	4	5	3	6	1	3	5	2	5	1	6	2	4	5	2	4	1	3	5	2	4
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg														<0.01							<0.01			
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg							<0.6					<0.3		1.4							<0.6			
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg							<0.5					<0.5		<1		<1	<1							
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg							<0.5					<0.5		346.0		4.9	8.5							
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<100			<200	<100	<200					<100				<100	<100		<100
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg		<4	<4	201.0			676.0	<4	9.5	<80	<40	180.0		<80	<4		<80	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg							<100			<200	<100	<100					<200				<10	<10		<10
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg							1130.0			<200	<100	<100					<200				<10	<10		<10
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg							568.0			<220	<110	<110					<220				<11	<11		<11
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<100			<200	<100	<200					<100				<100	<100		<100
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<100			<200	<100	<200					147.0				<100	<100		<100
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg							<100			<100	<100	<200					<100				<100	<100		<100
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg							<50			<100	<50	<50					<100				<5	<5		<5
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg							4540.0			<160	105.0	407.0					<160				<8	<8		<8
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg							<100			<200	<100	<100					<200				<10	<10		<10
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg		<7	<7	<7			<70	<7	<7	<140	<70	<70		<140	<7		<140	<7	<7	<7	<7	<7	<7	<7
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg							<50			<100	<50	<50					<100				<5	<5		<5
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<100			<200	<100	<200					113.0				<100	<100		<100
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg							<100			<200	<100	<200					<100				<100	<100		<100
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg							249.0			<200	224.0	2580.0					158.0				<100	<100		<100
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<100			<200	<100	570.0					<100				<100	<100		<100
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg							<100			<200	<100	<200		<50			<100				<100	<100		<100
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg							<100			<200	<100	<200					<100				<100	<100		<100
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<100			<200	<100	<200					<100				<100	<100		<100
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg							876.0			<200	<100	<200					<100				<100	<100		<100
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg							<100			<200	<100	<100					<200				<10	<10		<10
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg							<50			<100	<50	<50					<100				<5	<5		<5
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<100			<200	<100	<200					<100				<100	<100		<100
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg							254.0			<200	<100	<200					780.0				<100	139.0		621.0
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg							<100			<200	<100	<100					<200				<10	<10		<10
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg							<60			<120	<60	<60					<120				<6	<6		<6
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg							<100			<200	<100	<100					<200				<10	<10		<10
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg							<100			<160	<100	<200					<100				<100	<100		<100
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg							<100			<200	<100	<100					<200				<10	<10		<10
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<100			<200	<100	<200					<100				<100	<100		<100
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg							<100			<200	403.0	<200					<100				<100	<100		<100
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg							<100			<200	<100	<100					<200				<10	<10		<10
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg							<80			<160	<80	<80					<160				<8	<8		<8
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg							<100			<200	<100	<200					<100				<100	<100		<100
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg		<9	<9	<9			<90	<9	<9	<180	<90	<90		<180	<9		<180	<9	<9	<9	<9	<9	<9	<9
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg							<70			<140	<70	<70					<140				<7	<7		<7
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg							2.8					1.8												
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg							<70			<140	<70	<70					<140				<7	<7		<7
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg							<100			<200	<100	<100					<200				<10	<10		<10

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP233	AEC18-LF-TP233	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP237	AEC18-LF-TP237	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP241	AEC18-LF-TP241	AEC18-LF-TP242	AEC18-LF-TP242	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP244	AEC18-LF-TP244	AEC18-LF-TP246	AEC18-LF-TP246	AEC18-LF-TP246	AEC18-LF-TP247	AEC18-LF-TP247
						Sample Top	0.30	1.50	0.50	3.50	3.50	1.50	4.50	0.10	2.00	4.00	1.50	4.50	1.50	5.50	1.00	3.00	4.30	1.40	3.40	0.30	2.50	4.30	1.10	3.10
						Sample Ref	1	3	1	4	5	3	6	1	3	5	2	5	1	6	2	4	5	2	4	1	3	5	2	4
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg								<60			<120	<60	<60					<120				<6	<6		<6
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<100					<200				<10	<10		<10
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg								<70			203.0	<70	<70					<140				9.0	<7		<7
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<100					<200				<10	<10		<10
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg								<70			<140	<70	<70					<140				<7	<7		<7
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg								<80			<160	<80	<80					<160				<8	<8		<8
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<100					<200				<10	<10		<10
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<200					<100				<100	<100		<100
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<100					<200				<10	<10		<10
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<100					<200				<10	<10		<10
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg								<90			<180	<90	<90					<180				<9	<9		<9
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<100					<200				<10	<10		<10
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<200					<100				<100	<100		<100
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100			<200	<100	450.0					147.0				<100	<100		<100
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg								481.0			<200	459.0	630.0					588.0				<100	151.0		<100
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg								<100			<200	<100	<200					463.0				<100	189.0		690.0
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg								<200			<400	<200	<200					<400				<20	<20		<20
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<200					<100				<100	<100		<100
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<200					<100				<100	<100		<100
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<200					<100				<100	<100		<100
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<200					<100				<100	<100		<100
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg								34300.0			<200	<100	<200					328.0				<100	<100		138.0
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<200					<100				<100	<100		<100
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10	87.3				197.0	<10	<10	<200	<100	<100		<200	<10		<200	<10	<10	<10	<10	<10	<10	<10
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<200					<100				<100	<100		<100
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<100					<100				<10	<10		<10
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<200					<100				<100	<100		<100
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg								19200.0			<180	276.0	1000.0					<180				<9	<9		<9
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<200					<100				<100	<100		<100
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg								146.0			<100	<50	<50					<100				<5	<5		<5
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<200					<100				<100	<100		<100
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<100					<200				<10	<10		<10
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10	385.0				7640.0	<10	25.4	<200	<100	495.0		<200	<10		<200	<10	<10	<10	<10	<10	<10	<10
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg															<50							<500			
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg															<50							<500			
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg															<50							<500			
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg															<50							<500			
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg															<50							<500			
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg															<50							<500			
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg															<50							<500			
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		309.0	70.0	90.9				216.0	32.5	141.0	<200	<100	<200		203.0	36.5		3880.0	148.0	44.0	37.6	<100	896.0	<16	311.0
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		1270.0	550.0	413.0				868.0	309.0	680.0	1310.0	325.0	1410.0		553.0	331.0		12200.0	603.0	312.0	230.0	418.0	5250.0	29.5	1580.0
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		355.0	516.0	107.0				204.0	164.0	373.0	425.0	134.0	450.0		146.0	171.0		3830.0	130.0	119.0	60.2	139.0	1210.0	<24	364.0
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		394.0	453.0	77.8				264.0	163.0	282.0	460.0	134.0	490.0		114.0	115.0		4160.0	124.0	105.0	40.8	162.0	1320.0	<18	329.0
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg		749.0	1310.0	218.0				293.0	321.0	648.0	625.0	134.0	420.0		280.0	213.0		9990.0	375.0	267.0	76.1	186.0	1850.0	23.5	1090.0
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg		1600.0	556.0	560.0				1130.0	335.0	768.0	1510.0	302.0	1520.0		685.0	346.0		18500.0	733.0	331.0	257.0	487.0	6190.0	30.7	1810.0

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP233	AEC18-LF-TP233	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP237	AEC18-LF-TP237	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP241	AEC18-LF-TP241	AEC18-LF-TP242	AEC18-LF-TP242	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP244	AEC18-LF-TP244	AEC18-LF-TP246	AEC18-LF-TP246	AEC18-LF-TP246	AEC18-LF-TP247	AEC18-LF-TP247
						Sample Top	0.30	1.50	0.50	3.50	3.50	1.50	4.50	0.10	2.00	4.00	1.50	4.50	1.50	5.50	1.00	3.00	4.30	1.40	3.40	0.30	2.50	4.30	1.10	3.10
						Sample Ref	1	3	1	4	5	3	6	1	3	5	2	5	1	6	2	4	5	2	4	1	3	5	2	4
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg			286.0	485.0	89.3			342.0	115.0	240.0	496.0	95.2	306.0		137.0	90.8		4850.0	127.0	93.0	26.0	197.0	1220.0	<14	476.0
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg			33.9	31.5	<12			219.0	16.7	49.8	<200	<100	<200		<12	19.9		915.0	<12	14.2	<12	<100	<100	<12	46.8
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg			624.0	925.0	191.0			427.0	169.0	418.0	649.0	146.0	675.0		221.0	171.0		8180.0	228.0	157.0	64.8	209.0	2300.0	14.9	831.0
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg			556.0	756.0	126.0			400.0	237.0	461.0	519.0	168.0	720.0		180.0	224.0		8470.0	234.0	167.0	79.8	197.0	2080.0	<15	799.0
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg			89.2	172.0	<23			<100	30.9	66.1	<200	<100	<200		<23	38.2		1270.0	30.9	<23	<23	<100	<100	<23	86.9
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg			579.0	722.0	150.0			461.0	181.0	372.0	661.0	179.0	750.0		205.0	177.0		6640.0	246.0	145.0	83.4	232.0	2800.0	17.7	974.0
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg			34.0	<8	107.0			741.0	10.9	42.4	<200	<100	<200		182.0	10.1		565.0	52.9	19.2	18.1	162.0	315.0	<8	100.0
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg			741.0	95.9	447.0			787.0	115.0	386.0	602.0	179.0	1190.0		976.0	112.0		11000.0	414.0	124.0	170.0	371.0	3390.0	<15	11100.0
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg			103.0	11.6	108.0			1270.0	<10	42.6	<200	<100	<200		188.0	15.5		1370.0	49.3	14.5	15.5	128.0	353.0	<10	95.1
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg			20.0	<9	120.0			32900.0	<9	24.0	<200	<100	354.0		403.0	12.0		<260	<9	<9	<9	<100	<100	<9	<13
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.015	<0.015	<0.015	0.1		<0.015	0.4	<0.015	<0.015	<0.015	<0.015	0.0	<0.015	0.2	<0.015	0.0	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	0.0		<0.01	0.1	<0.01	<0.01	0.0	<0.01	0.2	<0.01	0.1	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg															0.1								<0.02		
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10	<10	<10			<100			<200	<100	<100					<200		<10		<10	<10		<10
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10	<10	<10			<200			<10	<10						<10		<10		<10	<10		<10
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg			<10	<10	<10			<200			<10	<10						<10		<10		<10	<10		<10
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10	<10	1790.0			117000.0			382.0	700.0						<10		117.0		45.2	189.0		181.0
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<10	10.1	2370.0			202000.0			797.0	1800.0						<10		80.0		76.6	440.0		854.0
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100	<100	26200.0			167000.0			5380.0	7230.0						23100.0		<100		2560.0	27800.0		5380.0
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg			3490.0	4560.0	206000.0			53300.0			71100.0	56900.0						192000.0		4930.0		9490.0	186000.0		28700.0
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg			18500.0	22600.0	634000.0			192000.0			293000.0	260000.0						529000.0		13800.0		32800.0	366000.0		69300.0
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg			1320.0	9440.0	114000.0			55300.0			103000.0	57500.0						125000.0		5910.0		12300.0	111000.0		21100.0
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10	<10	22.7			<200			14.2	30.2						<10		17.4		11.6	<10		23.0
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10	15.7	202.0			639.0			70.8	147.0						<10		85.8		40.6	69.3		110.0
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg			<10	12.3	2680.0			176000.0			572.0	1050.0						<10		175.0		67.3	282.0		271.0
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10	14.6	3560.0			303000.0			1200.0	2710.0						<10		121.0		115.0	659.0		1280.0
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg			2810.0	<100	85000.0			51500.0			14200.0	27300.0						30400.0		405.0		<100	57500.0		16600.0
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			6730.0	3800.0	340000.0			81500.0			76600.0	207000.0						151000.0		1190.0		1190.0	154000.0		42700.0
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			25800.0	23400.0	1660000.0			389000.0			638000.0	740000.0						482000.0		6800.0		19800.0	196000.0		52600.0
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			6490.0	2710.0	140000.0			96800.0			198000.0	102000.0						85000.0		788.0		8810.0	67100.0		6990.0
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg								<0.3					<0.3												
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg								0.6					0.5												
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<200					<100				<100	<100		<100
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<200					<100				<100	<100		<100
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<200					<100				<100	<100		<100
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100			<200	<100	<200					<100				<100	<100		<100

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP247	AEC18-LF-TP248	AEC18-LF-TP248	AEC18-LF-TP249	AEC18-LF-TP249	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP251	AEC18-LF-TP251	AEC18-LF-TP252	AEC18-LF-TP252	AEC18-LF-TP253	AEC18-LF-TP256	AEC18-LF-TP256	AEC18-LF-TP256	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP258	AEC18-LF-TP258	AEC18-LF-TP259	AEC18-LF-TP259	AEC18-LF-TP260
						Sample Top	4.10	1.50	4.50	1.30	3.70	0.90	3.00	4.10	1.30	4.00	0.30	4.10	0.40	0.20	2.60	4.40	0.20	2.00	4.40	0.40	1.50	0.30	3.60	0.50
						Sample Ref	5	2	5	2	4	2	4	5	2	5	2	6		1	4	6	1	3	6	1	2	1	4	1
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg																								
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg																								
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg																								
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg		<1	9.8	<1	<1	<1	<1	2.3	<0.5	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	8.0	<1	<1	<1	<1	<1
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		62.5	106.0	206.0	25.9	99.4	24.4	129.0	2000.0	18.5	0.0	23.4	57.1	6.1	44.5	67.2	59.8	46.5	23.4	161.0	187.0	78.2	40.0	33.7	85.9
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	0.5	<0.0001	<0.14	<0.0001	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	0.5	<0.14	<0.14	<0.14	<0.14	<0.14
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		37.4	295.0	38.2	13.9	24.0	53.4	23.6	0.1	19.3	0.3	21.4	30.8	6.1	12.5	26.9	19.4	9.3	22.0	22.4	27.6	18.1	19.9	17.2	32.2
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.6	10.8	<0.6	<0.6	1.3	<0.6	9.7	0.2	<0.6	0.3	<0.6	<0.6	<0.6	<0.6	0.8	2.5	<0.6	<0.6	16.5	1.0	<0.6	<0.6	<0.6	0.9
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		13.2	11.7	19.2	7.9	27.7	16.1	19.3	0.0	12.7	0.1	12.7	14.3	7.5	10.0	13.5	8.8	6.7	15.8	21.2	20.4	22.7	10.7	10.1	26.9
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		1.2	0.7	0.8	2.7	1.1	2.1	0.8	<0.001	0.9	<0.001	0.9	1.1	0.4	0.6	1.1	0.7	0.3	1.1	0.6	0.8	2.8	0.8	0.9	1.3
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		1.0	3.9	1.7	1.3	2.1	31.7	22.0	22.8	<1	2.4	<1	1.2	1.0	<1	<1	1.8	<1	<1	4.2	3.8	2.1	<1	<1	1.9
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		0.3	1.1	<0.02	0.3	0.5	0.6	1.0	<0.0008	0.3	0.0	0.1	0.3	0.1	0.1	0.3	1.2	0.1	0.1	0.8	0.5	0.2	0.8	0.2	0.3
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		18.2	149.0	13.7	13.8	26.9	32.3	14.1	0.1	30.8	0.1	17.4	15.5	7.8	17.1	20.6	17.1	<0.9	28.3	13.5	9.0	11.5	15.4	15.5	24.5
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		23.1	97.2	19.8	19.3	30.8	30.1	82.1	0.1	16.7	0.2	15.5	29.4	4.4	19.4	25.7	25.0	90.2	31.8	52.2	33.7	23.8	24.8	13.8	29.2
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		44.0	29.9	36.9	40.7	36.6	57.5	17.9	0.0	61.7	0.2	43.9	44.3	14.4	57.0	41.6	27.7	89.9	64.3	23.3	42.4	31.9	44.5	35.4	64.2
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		147.0	447.0	142.0	73.1	177.0	154.0	575.0	2990.0	44.4	0.4	51.5	129.0	28.5	63.6	131.0	200.0	106.0	79.9	410.0	126.0	104.0	72.4	62.0	131.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1	<1	1.2	<1	<0.01	<1	<0.01	<1	<1	<1	<1	1.1	<1	<1	<1	<1	2.8	1.4	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.035	1.6	0.1	<0.035	<0.035	<0.035	<0.035	0.3	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP247	AEC18-LF-TP248	AEC18-LF-TP248	AEC18-LF-TP249	AEC18-LF-TP249	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP251	AEC18-LF-TP251	AEC18-LF-TP252	AEC18-LF-TP252	AEC18-LF-TP253	AEC18-LF-TP256	AEC18-LF-TP256	AEC18-LF-TP256	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP258	AEC18-LF-TP258	AEC18-LF-TP259	AEC18-LF-TP259	AEC18-LF-TP260
						Sample Top	4.10	1.50	4.50	1.30	3.70	0.90	3.00	4.10	1.30	4.00	0.30	4.10	0.40	0.20	2.60	4.40	0.20	2.00	4.40	0.40	1.50	0.30	3.60	0.50
						Sample Ref	5	2	5	2	4	2	4	5	2	5	2	6		1	4	6	1	3	6	1	2	1	4	1
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg																								
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg																								
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg																								
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg																								
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg																								
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																								
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg																								
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg																								
Phenol	7600	POS PARK	mg/kg	0	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg																								
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg																								
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg																								
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg																								
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg																								
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg																								
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg																								
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg																								
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg																								
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg																								
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg																								
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg																								
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg																								
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg																								
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg																								
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																								
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg																								
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg																								
Chloroform	99.1	Commercial	mg/kg	0	mg/kg																								
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg																								
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg																								
Tribromomethane	714	Commercial	mg/kg	0	mg/kg																								
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg																								
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg																								
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg																								
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg																								
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg																								
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg																								
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg																								
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg																								
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg																								
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																								
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg																								
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg																								
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg																								
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP247	AEC18-LF-TP248	AEC18-LF-TP248	AEC18-LF-TP249	AEC18-LF-TP249	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP251	AEC18-LF-TP251	AEC18-LF-TP252	AEC18-LF-TP252	AEC18-LF-TP253	AEC18-LF-TP256	AEC18-LF-TP256	AEC18-LF-TP256	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP258	AEC18-LF-TP258	AEC18-LF-TP259	AEC18-LF-TP259	AEC18-LF-TP260
						Sample Top	4.10	1.50	4.50	1.30	3.70	0.90	3.00	4.10	1.30	4.00	0.30	4.10	0.40	0.20	2.60	4.40	0.20	2.00	4.40	0.40	1.50	0.30	3.60	0.50
						Sample Ref	5	2	5	2	4	2	4	5	2	5	2	6		1	4	6	1	3	6	1	2	1	4	1
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																	<0.01		<0.01				<0.01		
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg									<0.3		<0.3						<0.6		<0.6				<0.6		
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg			<1					<1	<0.5		<0.5														
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg			3.7					3.1	<0.5		<0.5														
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100			<100		
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg		<4	41.5	<4	<4	<40		<80	<4	<4	<4	<4	<4	<4		<4	<4	<4	<4	<80		<4	<4	<4	
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10								<10		<10						<10	<200				<10	
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	20.3								<10		<10						<10	<200				<10	
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg		<11	54.1								<11		<11						<11	<220				<11	
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	562.0								<100		<200						<100	<100				<100	
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg		<5	<5								<5		<5						<5	<100				<5	
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg		<8	178.0								<8		<8						<8	<160				<8	
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10								<10		<10						<10	<200				<10	
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg		<7	<7	<7	<7	<70		<140	<7	<7	<7	<7	<7	<7		<7	<7	<7	<7	<140		<7	<7	<7	
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg		<5	<5								<5		<5						<5	<100				<5	
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200				<500		<100	<100				<100	
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<20						<100	<100				<100	
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10								<10		<10						<10	<200				<10	
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg		<5	<5								<5		<5						<5	<100				<5	
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg		<100	628.0								173.0		<200						<100	<100				<100	
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	19.9								<10		<10						<10	<200				<10	
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg		<6	<6								<6		<6						<6	<120				<6	
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10								<10		<10						<10	<200				<10	
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10								<10		<10						<10	<200				<10	
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10								<10		<10						<10	<200				<10	
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg		<8	<8								<8		<8						<8	<160				<8	
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg		<9	<9	<9	<9	<90		<180	<9	<9	<9	<9	<9	<9		<9	<9	<9	<9	<180		<9	<9	<9	
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg		<7	<7								<7		<7						<7	<140				<7	
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg									0.9		2.1														
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg		<7	<7								<7		<7						<7	<140				<7	
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10								<10		<10						<10	<200				<10	

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP247	AEC18-LF-TP248	AEC18-LF-TP248	AEC18-LF-TP249	AEC18-LF-TP249	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP251	AEC18-LF-TP251	AEC18-LF-TP252	AEC18-LF-TP252	AEC18-LF-TP253	AEC18-LF-TP256	AEC18-LF-TP256	AEC18-LF-TP256	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP258	AEC18-LF-TP258	AEC18-LF-TP259	AEC18-LF-TP259	AEC18-LF-TP260
						Sample Top	4.10	1.50	4.50	1.30	3.70	0.90	3.00	4.10	1.30	4.00	0.30	4.10	0.40	0.20	2.60	4.40	0.20	2.00	4.40	0.40	1.50	0.30	3.60	0.50
						Sample Ref	5	2	5	2	4	2	4	5	2	5	2	6		1	4	6	1	3	6	1	2	1	4	1
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg		<6	<6								<6		<6						<6	<120				<6	
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	18.4								<10		<10						<10	<200				<10	
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<7	14.6								<7		<7						<7	<140				<7	
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10								<10		<10						<10	<200				<10	
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg		<7	<7								<7		<7						<7	<140				<7	
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg		<8	<8								<8		<8						<8	<160				<8	
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10								<10		<10						<10	<200				<10	
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10								<10		<10						<10	<200				<10	
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10								<10		<10						<10	<200				<10	
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg		<9	<9								<9		<9						<9	<180				<9	
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10								<10		<10						<10	<200				<10	
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	2200.0								346.0		<200						<100	<100				<100	
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		121.0	8290.0								1810.0		<200						<100	<100				<100	
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg		<100	258.0								186.0		<200						<100	<100				<100	
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg		<20	<20								<20		<20						<20	<400				<20	
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<20						<100	<100				<100	
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg		<100	1750.0								146.0		<200						<100	<100				<100	
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	43.9	<10	<10	<100		<200	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<200		<10	<10	<10	
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	61.3								<10		<10						<10	<100				<10	
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg		<9	446.0								<9		<9						<9	<180				<9	
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg		<5	7.7								<5		<5						<5	<100				<5	
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	52.8								<10		<10						<10	<200				<10	
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	60.6	<10	<10	<100		<200	14.6	<10	<10	<10	<10	<10		<10	<10	<10	<10	<200		<10	<10	<10	
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<500		<50					<1000		
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<500		<50					<1000		
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<500		<50					<1000		
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																<500		<50					<1000		
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<500		<50					<1000		
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																<500		<50					<1000		
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																<500		<50					<1000		
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	868.0	4820.0	<80	930.0		36.7	217.0	<80	334.0	319.0	<200	<16		57.6	993.0	389.0	<100	<100		2650.0	401.0	<100	
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		175.0	1780.0	13400.0	421.0	3420.0		290.0	1070.0	<75	1430.0	1630.0	1350.0	47.7		734.0	4180.0	1760.0	<100	264.0		20000.0	1450.0	312.0	
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		<100	797.0	3060.0	157.0	813.0		93.9	291.0	<120	798.0	457.0	667.0	<24		365.0	1270.0	365.0	<100	<100		6600.0	416.0	188.0	
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		<100	712.0	3630.0	104.0	623.0		74.4	201.0	<90	531.0	462.0	624.0	<18		305.0	1110.0	338.0	<100	<100		5030.0	294.0	159.0	
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg		<100	878.0	7290.0	355.0	1840.0		102.0	445.0	<75	1080.0	1120.0	784.0	23.7		601.0	2100.0	904.0	<100	<100		11100.0	555.0	245.0	
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg		210.0	2000.0	16900.0	463.0	4070.0		333.0	1230.0	<85	1590.0	1650.0	1360.0	54.3		762.0	5100.0	1990.0	<100	264.0		22300.0	1580.0	329.0	

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP247	AEC18-LF-TP248	AEC18-LF-TP248	AEC18-LF-TP249	AEC18-LF-TP249	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP251	AEC18-LF-TP251	AEC18-LF-TP252	AEC18-LF-TP252	AEC18-LF-TP253	AEC18-LF-TP256	AEC18-LF-TP256	AEC18-LF-TP256	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP258	AEC18-LF-TP258	AEC18-LF-TP259	AEC18-LF-TP259	AEC18-LF-TP260
						Sample Top	4.10	1.50	4.50	1.30	3.70	0.90	3.00	4.10	1.30	4.00	0.30	4.10	0.40	0.20	2.60	4.40	0.20	2.00	4.40	0.40	1.50	0.30	3.60	0.50
						Sample Ref	5	2	5	2	4	2	4	5	2	5	2	6		1	4	6	1	3	6	1	2	1	4	1
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		<100	247.0	2200.0	128.0	753.0		46.3	218.0	<70	452.0	420.0	595.0	<14		190.0	655.0	338.0	<100	120.0		5240.0	258.0	127.0	
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	199.0	701.0	<60	115.0		<12	46.8	<60	<100	<120	<120	<12		40.9	<60	<60	<100	<100		381.0	<120	<100	
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		97.1	753.0	6090.0	246.0	1470.0		126.0	510.0	<50	639.0	671.0	913.0	15.9		405.0	1820.0	700.0	<100	144.0		9120.0	637.0	188.0	
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg		<100	927.0	5750.0	220.0	1430.0		127.0	504.0	<75	756.0	787.0	854.0	20.4		531.0	2050.0	538.0	<100	120.0		11500.0	648.0	278.0	
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg		<100	<100	725.0	<115	134.0		<23	71.7	<115	<100	<230	<200	<23		73.9	225.0	<115	<100	<100		1580.0	<230	<100	
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg		101.0	805.0	6930.0	236.0	1510.0		125.0	609.0	<70	746.0	688.0	885.0	<14		453.0	2060.0	668.0	<100	144.0		11200.0	471.0	205.0	
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	690.0	1860.0	46.0	649.0		24.9	56.8	<40	271.0	122.0	<200	<8		10.2	1130.0	135.0	<100	<100		600.0	118.0	<100	
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg		96.4	2160.0	10000.0	231.0	3090.0		138.0	751.0	<75	947.0	582.0	608.0	22.6		174.0	5680.0	1260.0	<100	132.0		8160.0	1310.0	111.0	
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	1100.0	1990.0	<50	690.0		22.0	77.8	<50	241.0	<100	<100	<10		<10	1310.0	151.0	<100	<100		726.0	<100	<100	
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg		<100	480.0	1140.0	<45	162.0		<9	92.6	<45	55.9	<90	<13	<9		13.9	175.0	<45	<100	<100		<90	<90	<100	
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.015	1.2	0.1	<0.015	<0.015	<0.015	<0.015	0.2	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.0	0.4	0.0	<0.01	<0.01	<0.01	<0.01	0.2	<0.01	0.0	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg																	<0.02		<0.02					<0.02	
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10			<100		<200			<10		<10	<10		<10			<10	<200				<10	
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10			<10		<10			<10		<10	<10		<10			<10	<10				<10	
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10			<10		<10			<10		<10	<10		<10			<10	<10				<10	
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg		49.6	1200.0			49.0		4480.0			536.0		<10	78.0		<10			<10	45.6				<10	
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg		41.1	3520.0			77.5		6310.0			491.0		<10	242.0		<10			<10	37.2				<10	
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg		1110.0	190000.0			4620.0		6580.0			4210.0		1420.0	<100		163.0			438.0	3000.0				<100	
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		5310.0	461000.0			19700.0		46200.0			62000.0		12100.0	<100		5810.0			2930.0	9540.0				18000.0	
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg		14600.0	1450000.0			61600.0		220000.0			273000.0		58500.0	4770.0		46600.0			23600.0	40500.0				78400.0	
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg		1850.0	235000.0			25800.0		67000.0			69100.0		20100.0	6730.0		16700.0			20100.0	11400.0				20300.0	
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	18.4			11.4		168.0			18.6		<10	10.8		<10			<10	15.6				<10	
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg		38.7	93.2			38.8		947.0			148.0		<10	31.2		<10			<10	74.4				<10	
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg		73.8	1800.0			73.0		6710.0			803.0		<10	116.0		<10			<10	69.6				<10	
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg		61.7	5290.0			116.0		9460.0			735.0		<10	364.0		<10			<10	55.2				<10	
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg		2240.0	281000.0			6410.0		11900.0			6350.0		955.0	<100		<100			<100	11400.0				<100	
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		7200.0	1250000.0			14600.0		85800.0			71500.0		6070.0	<100		3400.0			3330.0	12500.0				<100	
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		13000.0	3160000.0			52500.0		364000.0			303000.0		23600.0	5430.0		63500.0			26300.0	20200.0				14200.0	
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		866.0	206000.0			11700.0		82100.0			58400.0		2990.0	9800.0		10200.0			14500.0	2600.0				<100	
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg									<0.3		<0.3														
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg									0.3		9.2														
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	<100								<100		<200						<100	<100				<100	

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Hole Ref	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP261	AEC18-LF-TP261	AEC18-LF-TP262	AEC18-LF-TP262	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP268	AEC18-LF-TP268A	AEC18-LF-TP268A	AEC18-LF-TP269	AEC18-LF-TP269
					Sample Top	2.50	4.30	0.20	5.50	2.50	5.70	1.50	3.50	5.55	2.00	4.00	4.50	5.70	0.40	3.50	5.60	1.00	2.70	5.60	0.50	1.50	5.40	0.20	3.50
					Sample Ref	3	5	1	6	3	6	2	4	6	3	5	6	8	1	4	6	2	4	7	2	2	6	1	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																							
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																							
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg																							
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																							
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																							
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg																							
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg																							
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg	<1	<1	<1	<0.5	<1	<1	4.5	<0.5	7.1	<1	<1	<1	<1	<1	<1	2.1	<1	<1	2.0	<1	<0.5	<1	<1	4.7
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg	114.0	55.0	58.4	3790.0	21.9	33.2	110.0	<0.002	942.0	128.0	104.0	52.4	64.6	55.3	29.4	110.0	60.4	143.0	60.1	59.2	0.0	180.0	16.0	71.4
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.14	<0.14	<0.14	<0.0001	<0.14	<0.14	<0.14	<0.0001	0.2	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	0.6	<0.14	<0.0001	<0.14	<0.14	<0.14
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg	24.2	14.9	18.0	0.0	17.3	18.3	23.2	0.2	38.6	20.0	24.6	16.5	17.1	29.1	10.4	54.1	22.3	24.6	29.2	29.6	0.1	48.5	16.8	10.0
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg	0.7	1.3	<0.6	0.4	<0.6	<0.6	1.8	<6	40.3	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	8.7	<0.6	<0.6	<0.6	<0.6	0.1	3.0	<0.6	<0.6
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg	17.3	6.9	13.4	0.0	11.4	14.2	11.7	0.0	17.0	13.4	15.0	10.6	10.5	17.4	6.4	20.4	12.4	15.2	12.2	31.9	0.0	11.1	8.9	8.9
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg	1.3	0.8	0.9	<0.001	0.8	0.8	2.7	<0.001	0.6	2.7	2.1	0.9	0.8	1.3	0.3	0.8	1.1	0.7	1.0	0.7	<0.001	0.4	0.6	0.6
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg	4.8	2.9	<1	2.4	1.2	<1	1.2	2.3	3.2	4.3	3.0	2.3	3.2	<1	1.3	2.2	<1	3.9	1.8	<1	1.7	5.7	<1	8.6
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg	0.3	1.5	0.4	<0.0008	<0.02	<0.02	0.7	<0.0008	1.6	0.3	0.1	0.2	0.4	<0.02	0.3	<0.02	<0.02	0.4	0.7	<0.02	<0.0008	22.7	0.1	0.7
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg	22.3	9.8	22.4	0.1	19.2	22.1	28.5	0.1	42.1	22.3	78.3	19.4	18.5	13.1	8.8	876.0	20.0	16.0	31.0	9.1	0.1	38.2	11.0	6.7
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg	36.8	40.0	20.2	0.1	13.9	20.4	70.8	0.0	170.0	39.8	36.9	25.3	42.3	23.8	35.8	124.0	34.6	43.2	135.0	23.5	0.0	1900.0	23.6	52.2
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	54.3	16.0	40.8	0.0	39.4	46.0	35.8	<0.01	28.0	42.3	41.0	33.7	31.0	44.9	12.6	29.2	38.0	28.0	36.1	62.4	0.0	20.7	26.4	20.2
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg	117.0	115.0	96.6	0.1	46.7	64.8	614.0	0.0	2850.0	186.0	183.0	103.0	175.0	108.0	94.3	226.0	84.4	669.0	283.0	140.0	0.1	479.0	70.3	188.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg	<1	<1	<1	<0.01	<1	<1	<1	<0.01	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.01	<1	<1	<1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.4	0.4	<0.035	<0.035	<0.035	0.6	<0.035	0.1	<0.035	<0.035	<0.035	0.8	<0.035	<0.035	1.4	<0.035	0.4
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP261	AEC18-LF-TP261	AEC18-LF-TP262	AEC18-LF-TP262	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP268	AEC18-LF-TP268A	AEC18-LF-TP268A	AEC18-LF-TP269	AEC18-LF-TP269
						Sample Top	2.50	4.30	0.20	5.50	2.50	5.70	1.50	3.50	5.55	2.00	4.00	4.50	5.70	0.40	3.50	5.60	1.00	2.70	5.60	0.50	1.50	5.40	0.20	3.50
						Sample Ref	3	5	1	6	3	6	2	4	6	3	5	6	8	1	4	6	2	4	7	2	2	6	1	4
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	**3860**	**Commercial**	**mg/kg**	**0**	mg/kg																									
n-Butylbenzene	**26.598**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4-Dimethylphenol	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
3/4 Methylphenol	**46000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,4-Dichlorobenzene	**4220**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,2-Dichloroethane	**0.671**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,3,5-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Bromobenzene	**91.5**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chlorobenzene	**55.6**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Phenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.1	<0.01	<0.01	<0.01	0.5	<0.01	<0.01	<0.01	<0.01	0.0	0.1	<0.01	<0.01	0.1	<0.01	<0.01
Bis(2-chloroethoxy)methane	**0.956**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Bis(2-ethylhexyl)phthalate	**16600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Di-N-Octyl Phthalate	**20000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Hexachlorobenzene (HCB)	**28.9**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trichlorobenzene	**215**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4-Dichlorophenol	**977**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2,4-Dinitrotoluene	**928**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Dibromochloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Tetrachloroethene	**18.6**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Dimethylphthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Dibenzofuran	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Sec-Butylbenzene	**26.6**	**Commercial**	**mg/kg**	**0**	mg/kg																									
cis-1,2-Dichloroethene	**13.6**	**Commercial**	**mg/kg**	**0**	mg/kg																									
trans-1,2-Dichloroethene	**20.7**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Methyl tert-butyl ether (MTBE)	**7480**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,3-Dichlorobenzene	**29.9**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Tetrachloromethane (Carbon Tetra Chloride)	**2.87**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,3,4,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Chloro-3-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2,6-Dinitrotoluene	**468**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,1,1,2-Tetrachloroethane	**108**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chloroform	**99.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,1,1-Trichloroethane	**660**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chloroethene	**0.0594**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Tribromomethane	**714**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Bromodichloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,1-Dichloroethane	**263**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,1-Dichloroethene	**24.3**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,2-Dichloropropane	**3.13**	**Commercial**	**mg/kg**	**0**	mg/kg																									
1,1,2-Trichloroethane	**89.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Trichloroethene	**1.23**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Diethylphthalate	**89300**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Di-N-Butyl Phthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Butylbenzylphthalate	**254000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Carbazole	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,3 Trichlorobenzene	**102**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Hexachlorobutadiene (HCBD)	**30.7**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Pentachlorophenol (PCP)	**113**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2,4,6-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
2-Methylnaphthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chloronaphthalene	**370**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,3,5,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP261	AEC18-LF-TP261	AEC18-LF-TP262	AEC18-LF-TP262	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP268	AEC18-LF-TP268A	AEC18-LF-TP268A	AEC18-LF-TP269	AEC18-LF-TP269
						Sample Top	2.50	4.30	0.20	5.50	2.50	5.70	1.50	3.50	5.55	2.00	4.00	4.50	5.70	0.40	3.50	5.60	1.00	2.70	5.60	0.50	1.50	5.40	0.20	3.50
						Sample Ref	3	5	1	6	3	6	2	4	6	3	5	6	8	1	4	6	2	4	7	2	2	6	1	4
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg			<0.01																						
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg			<0.6		<0.3				<0.3			<0.6	<0.6					<0.6			<0.3				
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg					<0.5				<0.5												<0.5				
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg					<0.5				<0.5												<0.5				
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100		<100		<200			<100	<100	<100			<100		<100		<1000	<100			
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg	<4	<4	<4		15.6		193.0	<4	324.0	17.3	<4	<4	<4	<4	5.3		<4	<4		<40	<4	2330.0	95.7	<4	<4
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<10		<200		<100			<10	<10	<10			<10		<100		<2000	<10			
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<10		<200		186.0			<10	<10	<10			<10		<100		<2000	34.7			
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg			<11		<11		<220		<110			<11	<11	<11			<11		<110		<2200	<11			
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100		<100		<200			<100	<100	<100			<100		<100		<1000	<100			
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100		<100		<200			<100	<100	<100			<100		<100		<1000	3540.0			
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100		<100		<50			<100	<100	<100			<100		<100		<1000	<100			
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg			<5		<5		<100		<50			<5	<5	<5			<5		<50		<1000	<5			
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg			<8		20.7		372.0		701.0			<8	<8	20.9			39.5		<80		4310.0	249.0			
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<10		<200		<100			<10	<10	<10			<10		<100		<2000	<10			
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg	<7	<7	<7		14.0		<140	<7	<70	<7	<7	<7	<7	<7		<7	<7		<70	<7	2580.0	<7	<7	<7	
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg			<5		<5		<100		<50			<5	<5	<5			<5		<50		7240.0	<5			
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100		<100		<200			<100	<100	<100			<100		<100		<1000	<100			
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg			<100		<100		<100		<200			<100	<100	<100			<100		<100		<1000	<100			
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		1120.0		<100		75100.0			<100	<100	162.0			<100		298.0		<1000	201.0			
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		529.0		<100		11000.0			<100	<100	<100			<100		<100		<1000	<100			
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100		<100		<200			<100	<100	<100			<100		<100		<1000	<100			
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100		<100		<200			<100	<100	<100			<100		<100		<1000	<100			
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100		<100		<200			<100	<100	<100			<100		<100		<1000	<100			
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100		<100		<200			<100	<100	<100			<100		<100		<1000	<100			
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<10		<200		<100			<10	<10	<10			<10		<100		<2000	<10			
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg			<5		<5		<100		<50			<5	<5	<5			<5		<50		<1000	<5			
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100		<100		<200			<100	<100	<100			<100		<100		<1000	290.0			
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg			<100		664.0		<100		2960.0			403.0	<100	325.0			<100		<100		<1000	<100			
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<10		<200		<100			<10	<10	<10			17.0		<100		<2000	50.9			
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg			<6		<6		<120		<60			<6	<6	<6			<6		<60		<1200	<6			
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<10		<200		<100			<10	<10	<10			<10		<100		<2000	<10			
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100		<100		<80			<100	<100	<100			<100		<100		<1000	<100			
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<10		<200		<100			<10	<10	<10			<10		<100		<2000	<10			
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100		<100		7280.0			<100	<100	<100			<100		<100		<1000	<100			
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100		<100		11200.0			<100	<100	<100			<100		<100		<1000	<100			
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<10		<200		<100			<10	<10	<10			<10		<100		<2000	<10			
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg			<8		<8		<160		<80			<8	<8	<8			<8		<80		<1600	<8			
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100		<100		<100		<200			<100	<100	<100			<100		<100		<1000	<100			
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg	<9	<9	<9		<9		<180	<9	<90	<9	<9	<9	<9	<9		<9	<9		<90	<9	<1800	<9	<9	<9	
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg			<7		<7		<140		<70			<7	<7	<7			<7		<70		<1400	<7			
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg					0.8				0.7													2.1			
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg			<7		<7		<140		<70			<7	<7	<7			<7		<70		<1400	<7			
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<10		<200		<100			<10	<10	<10			<10		<100		<2000	<10			

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP261	AEC18-LF-TP261	AEC18-LF-TP262	AEC18-LF-TP262	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP268	AEC18-LF-TP268A	AEC18-LF-TP268A	AEC18-LF-TP269	AEC18-LF-TP269
						Sample Top	2.50	4.30	0.20	5.50	2.50	5.70	1.50	3.50	5.55	2.00	4.00	4.50	5.70	0.40	3.50	5.60	1.00	2.70	5.60	0.50	1.50	5.40	0.20	3.50
						Sample Ref	3	5	1	6	3	6	2	4	6	3	5	6	8	1	4	6	2	4	7	2	2	6	1	4
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg		<6		<6		<120		<60			<6	<6	<6				<6		<60		<1200		<6		
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		61.9		<200		<100			<10	14.7	<10				166.0		<100		<2000		29.1		
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<7		30.1		<140		<70			14.5	36.2	33.5				23.6		<70		<1400		31.0		
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<10		<200		<100			<10	<10	<10				<10		<100		<2000		<10		
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg		<7		<7		<140		<70			<7	<7	<7				<7		<70		<1400		<7		
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg		<8		<8		<160		<80			<8	<8	<8				<8		<80		<1600		<8		
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<10		<200		<100			<10	<10	<10				<10		<100		<2000		<10		
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg		<100		<100		<100		<200			<100	<100	<100				<100		<100		<1000		<100		
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<10		<200		<100			<10	<10	<10				<10		<100		<2000		<10		
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<10		<200		<100			<10	<10	<10				<10		<100		<2000		<10		
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg		<9		<9		<180		<90			<9	<9	<9				<9		<90		<1800		<9		
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<10		<200		<100			<10	<10	<10				<10		<100		<2000		<10		
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100		<100		<100		<200			<100	<100	<100				<100		<100		<1000		552.0		
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		189.0		<100		<100		1500.0			<100	<100	<100				<100		<100		<1000		242.0		
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100		308.0		<100		626.0			<100	<100	<100				<100		<100		<1000		<100		
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg		<100		431.0		<100		602.0			<100	<100	534.0				<100		<100		<1000		<100		
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg		<20		<20		<400		<200			<20	<20	<20				<20		<200		<4000		<20		
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg		<100		<100		<100		<200			<100	<100	<100				<100		<100		<1000		<100		
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100		<100		<100		<200			<100	<100	<100				<100		<100		<1000		<100		
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100		<100		<100		<200			<100	<100	<100				<100		<100		<1000		<100		
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100		<100		<100		<200			<100	<100	<100				<100		<100		<1000		<100		
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg		<100		221.0		<100		2030.0			427.0	<100	186.0				<100		<100		21000.0		343.0		
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg		<100		<100		<100		<200			<100	<100	<100				<100		<100		<1000		<100		
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg	<10	<10		23.6		<200	<10	<100	<10	<10	<10	<10	<10			<10	<10		<100	<10	2780.0		105.0	<10	<10
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100		<100		<100		<200			<100	<100	<100				<100		<100		<1000		<100		
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<10		<100		<100			<10	<10	<10				<10		<100		7740.0		<10		
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100		<100		<100		<200			<100	<100	<100				<100		<100		<1000		<100		
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg		<9		109.0		1080.0		1770.0			<9	44.5	114.0				131.0		<90		14200.0		661.0		
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100		<100		<100		<200			<100	<100	<100				<100		<100		<1000		<100		
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg		<5		<5		<100		126.0			<5	<5	11.8				14.0		<50		<1000		27.7		
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg		<100		<100		<100		<200			<100	<100	<100				<100		<100		<1000		<100		
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10		<10		<200		<100			<10	<10	<10				<10		<100		<2000		227.0		
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg	<10	<10		212.0		2940.0	<10	2250.0	339.0	<10	<10	23.1	72.4			20.5	34.3		<100	37.2	5410.0		571.0	<10	151.0
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500																							
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500																							
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500																							
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		<500																							
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500																							
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<500																							
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		<500																							
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg	98.6	<100		1550.0		<100	3160.0	10100.0	198.0	585.0	488.0	222.0	1550.0			73.6	306.0		<100	280.0	399.0		<100	25.6	<160
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg	493.0	505.0		8750.0		183.0	11400.0	2630.0	1150.0	3050.0	2540.0	1460.0	7310.0			269.0	1440.0		201.0	1240.0	1150.0		350.0	259.0	710.0
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg	387.0	239.0		2240.0		<100	1260.0	268.0	396.0	859.0	661.0	433.0	1830.0			78.2	429.0		<100	352.0	<240		<100	108.0	<240
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg	239.0	254.0		2590.0		<100	1430.0	345.0	405.0	824.0	619.0	456.0	2320.0			85.1	660.0		<100	362.0	230.0		<100	79.1	<180
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg	409.0	290.0		4870.0		<100	2510.0	724.0	757.0	1680.0	1320.0	644.0	2560.0			166.0	549.0		147.0	803.0	289.0		<100	193.0	392.0
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg	574.0	596.0		10300.0		207.0	15600.0	3380.0	1280.0	3600.0	2770.0	7230.0	9650.0			323.0	5710.0		159.0	1450.0	1430.0		451.0	245.0	751.0

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP261	AEC18-LF-TP261	AEC18-LF-TP262	AEC18-LF-TP262	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP268	AEC18-LF-TP268A	AEC18-LF-TP268A	AEC18-LF-TP269	AEC18-LF-TP269
						Sample Top	2.50	4.30	0.20	5.50	2.50	5.70	1.50	3.50	5.55	2.00	4.00	4.50	5.70	0.40	3.50	5.60	1.00	2.70	5.60	0.50	1.50	5.40	0.20	3.50
						Sample Ref	3	5	1	6	3	6	2	4	6	3	5	6	8	1	4	6	2	4	7	2	2	6	1	4
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		175.0	147.0		1990.0		<100	941.0	272.0	233.0	595.0	493.0	562.0	2670.0		53.0	652.0		130.0	293.0	<140		<100	77.5	<140
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		38.5	<100		172.0		<100	2750.0	<200	314.0	164.0	<100	<100	325.0		99.0	<100		<100	<60	<1000		<100	13.5	<120
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		278.0	284.0		3160.0		<100	2380.0	680.0	514.0	1320.0	1040.0	714.0	2990.0		123.0	824.0		124.0	607.0	407.0		185.0	116.0	292.0
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg		411.0	302.0		3670.0		<100	1920.0	460.0	486.0	1250.0	934.0	749.0	3340.0		106.0	765.0		141.0	540.0	396.0		135.0	125.0	269.0
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg		91.7	<100		614.0		<100	299.0	<115	<230	204.0	<100	<100	360.0		<23	<100		<100	<115	<1000		<100	<23	<230
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg		269.0	328.0		4100.0		<100	2600.0	640.0	416.0	1210.0	956.0	866.0	4050.0		111.0	676.0		<100	582.0	511.0		204.0	113.0	226.0
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		22.7	<100		1180.0		159.0	2610.0	4890.0	306.0	250.0	683.0	211.0	325.0		102.0	201.0		<100	787.0	<1000		<100	<8	<80
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg		313.0	261.0		6410.0		183.0	15600.0	6920.0	1170.0	2520.0	1770.0	749.0	6480.0		236.0	1090.0		<100	1010.0	16300.0		467.0	61.5	458.0
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		36.4	<100		1240.0		<100	3090.0	3560.0	337.0	347.0	610.0	187.0	626.0		83.7	276.0		<100	626.0	3810.0		<100	<10	<100
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg		29.8	<100		202.0		<100	111.0	1430.0	526.0	91.4	245.0	269.0	203.0		26.8	<100		<100	566.0	11500.0		232.0	<9	223.0
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.015	<0.015	<0.015	0.0	<0.015	<0.015	<0.015	0.4	0.4	<0.015	<0.015	<0.015	0.1	<0.015	0.1	<0.015	<0.015	<0.015	0.2	<0.015	<0.015	0.2	<0.015	0.2
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	0.0	<0.01	<0.01	<0.01	0.0	0.0	<0.05	<0.01	<0.01	<0.01	0.0	<0.01	0.0	<0.01	<0.01	<0.01	0.6	<0.01	0.0	1.1	<0.01	0.1
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg			<0.02																						
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		<10		<200	<10	<100		<10	<10	<10	<10		<10	<10		<100		<2000		<10		
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg			61.7		<10			<10	<10		<10	12.2				<10	<10		<10		<200		<10		
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg			31.5		<10			<10	<10		<10	<10				<10	<10		<10		1660.0		12.5		
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg			859.0		903.0			228.0	5080.0		84.9	159.0				360.0	1070.0		288.0		109000.0		2260.0		
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg			9720.0		1590.0			192.0	3920.0		187.0	154.0				487.0	1530.0		266.0		128000.0		2620.0		
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		18800.0			19000.0	152000.0		6840.0	13100.0				<100	36100.0		8060.0		380000.0		20200.0		
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg			11900.0		104000.0			91800.0	326000.0		40900.0	26800.0				10100.0	453000.0		79500.0		1480000.0		107000.0		
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg			108000.0		323000.0			416000.0	1270000.0		159000.0	77600.0				56000.0	1260000.0		291000.0		5970000.0		472000.0		
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg			31500.0		72300.0			122000.0	610000.0		78300.0	25000.0				6010.0	287000.0		59100.0		2790000.0		80400.0		
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg			<10		16.0			14.8	33.9		12.3	24.4				<10	41.8		26.4		3330.0		29.6		
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg			54.2		221.0			133.0	1020.0		39.4	109.0				87.8	248.0		163.0		42300.0		235.0		
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg			1290.0		1350.0			341.0	7620.0		117.0	210.0				541.0	1600.0		431.0		163000.0		3390.0		
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg			14600.0		2380.0			289.0	5880.0		279.0	231.0				730.0	2300.0		400.0		191000.0		3920.0		
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		24500.0			7420.0	72400.0		8400.0	19200.0				34400.0	173000.0		17200.0		2590000.0		120000.0		
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			14600.0		106000.0			50700.0	450000.0		25000.0	25500.0				165000.0	1130000.0		74600.0		7140000.0		511000.0		
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			85700.0		438000.0			726000.0	2910000.0		167000.0	71200.0				506000.0	2650000.0		229000.0		20200000.0		707000.0		
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			18500.0		53700.0			106000.0	678000.0		67100.0	14100.0				55000.0	348000.0		39400.0		4840000.0		81000.0		
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg					<0.3				<0.3													<0.3			
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg					0.3				0.3													0.2			
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100		<100		346.0			<100	<100	<100			<100		<100		<1000		<100		
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100		<100		<200			<100	<100	<100			<100		<100		<1000		<100		
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100		<100		1040.0			<100	<100	<100			<100		<100		<1000		<100		
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg			<100		<100		<100		817.0			<100	<100	<100			<100		<100		<1000		<100		

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	AEC18-LF-TP269	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP273	AEC18-LF-TP273	AEC18-LF-TP273	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-WS201	AEC18-LF-WS201	AEC18-LF-WS203
					Hole Ref																							
					Sample Top	5.40	2.50	3.50	5.60	1.50	3.50	4.50	0.20	3.50	6.00	0.20	2.50	4.50	5.40	1.50	3.50	5.40	1.50	3.50	4.50	5.60	0.90	2.90	0.20
					Sample Ref	6	3	4	8	2	4	5	1	4	6	1	3	5	6	2	4	6	2	4	5	6	2	4	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																							
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																							
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg																							
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																							
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																							
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg																							
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg																							
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg	1.2	<1	1.9	1.8	<1	<1	<1	<1	1.2	<1	<1	45.1	<1	6.8	<1	<1	1.6	<1	8.9	2.9	<1	<1	<1	<0.5
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg	57.3	68.6	114.0	106.0	29.0	35.9	56.0	32.2	238.0	57.5	18.9	348.0	1.9	57.4	35.3	224.0	350.0	28.8	140.0	1060.0	160.0	3.7	34.0	<0.002
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<1.4	<0.14	<1.4	<0.14	<0.14	<0.14	<0.14	<0.14	<1.4	<0.14	<0.14	<0.14	<0.0001
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg	43.1	16.8	22.3	38.7	18.1	31.4	23.5	18.2	297.0	39.4	33.2	1040.0	5.8	77.6	18.2	52.1	40.0	15.8	34.0	109.0	52.1	6.7	36.8	0.0
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg	1.7	<0.6	<0.6	<0.6	<0.6	<0.6	0.7	<0.6	0.7	<0.6	<0.6	48.5	<0.6	<6	<0.6	3.7	21.3	<0.6	1.4	<6	<0.6	<0.6	<0.6	<0.01
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg	19.3	15.0	15.3	21.8	10.4	13.1	10.6	13.8	34.6	16.1	8.1	20.0	1.0	20.6	15.4	55.7	18.7	12.2	16.8	24.8	17.2	2.0	24.0	0.0
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg	1.2	1.0	0.6	1.0	0.9	1.5	1.0	3.8	1.2	1.6	1.6	0.8	0.1	0.7	0.8	1.8	2.2	0.7	1.5	0.7	1.3	0.2	1.1	<0.001
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg	2.4	<1	1.8	1.9	<1	1.0	1.3	<1	2.3	4.4	<1	11.7	<1	3.0	1.6	6.0	8.3	<1	1.3	4.2	2.8	<1	2.5	<0.1
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg	0.5	0.2	0.3	1.2	0.2	0.2	0.8	0.1	<0.02	<0.02	0.2	3.5	0.1	3.9	<0.02	14.1	0.6	0.2	0.8	4.4	0.2	0.1	<0.02	<0.0008
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg	25.9	12.9	9.6	20.5	16.7	23.2	14.4	24.1	45.1	26.4	16.2	479.0	3.2	32.5	14.5	35.1	21.7	16.6	20.5	53.9	7.9	3.8	11.1	0.1
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg	48.2	41.0	150.0	105.0	17.9	28.1	32.8	14.5	440.0	49.4	27.6	287.0	4.1	39.7	16.8	82.1	91.1	32.1	99.8	270.0	66.9	5.3	22.3	0.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	46.3	35.4	29.5	39.4	37.8	50.9	25.8	58.8	44.4	51.0	34.0	30.1	2.8	29.6	34.1	50.5	41.6	31.0	39.2	19.6	32.0	7.5	40.1	<0.01
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg	1100.0	130.0	401.0	109.0	56.2	82.2	200.0	91.7	347.0	111.0	97.6	997.0	17.9	129.0	83.2	7650.0	348.0	104.0	283.0	1200.0	957.0	26.5	119.0	<0.01
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1	<1	<1	<1	<10	<1	<1	<1	<0.01
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	12.6	0.1	1.1	<0.035	0.1	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg																							
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																							
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																							
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																							

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP269	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP273	AEC18-LF-TP273	AEC18-LF-TP273	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-WS201	AEC18-LF-WS201	AEC18-LF-WS203
						Sample Top	5.40	2.50	3.50	5.60	1.50	3.50	4.50	0.20	3.50	6.00	0.20	2.50	4.50	5.40	1.50	3.50	5.40	1.50	3.50	4.50	5.60	0.90	2.90	0.20
						Sample Ref	6	3	4	8	2	4	5	1	4	6	1	3	5	6	2	4	6	2	4	5	6	2	4	1
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	**3860**	**Commercial**	**mg/kg**	**0**	mg/kg																								
n-Butylbenzene	**26.598**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4-Dimethylphenol	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
3/4 Methylphenol	**46000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,4-Dichlorobenzene	**4220**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,2-Dichloroethane	**0.671**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,3,5-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Bromobenzene	**91.5**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chlorobenzene	**55.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Phenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bis(2-chloroethoxy)methane	**0.956**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Bis(2-ethylhexyl)phthalate	**16600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Di-N-Octyl Phthalate	**20000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Hexachlorobenzene (HCB)	**28.9**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,4-Trichlorobenzene	**215**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4-Dichlorophenol	**977**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2,4-Dinitrotoluene	**928**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Dibromochloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Tetrachloroethene	**18.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Dimethylphthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Dibenzofuran	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Sec-Butylbenzene	**26.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
cis-1,2-Dichloroethene	**13.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
trans-1,2-Dichloroethene	**20.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Methyl tert-butyl ether (MTBE)	**7480**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,3-Dichlorobenzene	**29.9**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Tetrachloromethane (Carbon Tetra Chloride)	**2.87**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,3,4,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Chloro-3-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2,6-Dinitrotoluene	**468**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,1,1,2-Tetrachloroethane	**108**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chloroform	**99.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1,1-Trichloroethane	**660**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chloroethene	**0.0594**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Tribromomethane	**714**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Bromodichloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1-Dichloroethane	**263**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1-Dichloroethene	**24.3**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,2-Dichloropropane	**3.13**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1,2-Trichloroethane	**89.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Trichloroethene	**1.23**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Diethylphthalate	**89300**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Di-N-Butyl Phthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Butylbenzylphthalate	**254000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Carbazole	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,3 Trichlorobenzene	**102**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Hexachlorobutadiene (HCBD)	**30.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Pentachlorophenol (PCP)	**113**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2,4,6-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2-Methylnaphthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Chloronaphthalene	**370**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,3,5,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP269	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP273	AEC18-LF-TP273	AEC18-LF-TP273	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-WS201	AEC18-LF-WS201	AEC18-LF-WS203
						Sample Top	5.40	2.50	3.50	5.60	1.50	3.50	4.50	0.20	3.50	6.00	0.20	2.50	4.50	5.40	1.50	3.50	5.40	1.50	3.50	4.50	5.60	0.90	2.90	0.20
						Sample Ref	6	3	4	8	2	4	5	1	4	6	1	3	5	6	2	4	6	2	4	5	6	2	4	1
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg															<0.01									
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg					<0.6								<0.6					<0.6						<0.3
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg					<1								<1											<0.5
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg					1.8								59.9											<0.5
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100			<500			<100					<200	<100			<100	<100		<100					
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg	<4	<4	<4	<40		<4	<80		<4	<4		4110.0	<4	<4		<4	36.6		<40		<4		<4	
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg	<10			<100			<200					<200	<10			<10	<10		<100					
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg	<10			<100			<200					692.0	<10			<10	108.0		<100					
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg	<11			<110			<220					1160.0	<11			<11	564.0		<110					
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100			<500			<100					<200	<100			<100	<100		<100					
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100			<500			<100					<200	<100			<100	<100		<100					
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg	<100			<50			<100					<200	<100			<100	<100		<100					
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg	<5			<50			<100					<100	<5			<5	<5		<50					
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg	21.9			<80			<160					7390.0	<8			17.2	1050.0		<80					
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg	<10			<100			<200					<200	<10			<10	<10		<100					
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg	<7	<7	<7	<70		<7	<140		<7	<7		4400.0	<7	<7		<7	<7		<70		<7		<7	
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg	<5			<50			<100					<100	<5			<5	<5		<50					
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100			<500			<100					<200	<100			<100	<100		<100					
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg	<100			<500			<100					<200	<100			<100	<100		<100					
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg	266.0			9890.0			<100					<200	<100			3080.0	<100		<100					
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100			35200.0			<100					<200	<100			<100	<100		<100					
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100			<500			<100					<200	<100	<1000		<100	<100		<100					
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg	<100			<200			<100					<200	<100			<100	<100		<100					
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100			<500			<100					<200	<100			<100	<100		<100					
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100			<500			<100					<200	<100			<100	<100		<100					
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg	<10			<100			<200					<200	<10			<10	<10		<100					
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg	<5			<50			<100					<100	<5			<5	<5		195.0					
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100			<500			<100					<200	<100			<100	<100		<100					
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg	<100			<500			<100					<200	<100			<100	<100		<100					
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg	<10			<100			<200					468.0	<10			<10	419.0		<100					
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg	<6			<60			<120					1340.0	<6			<6	<6		<60					
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg	<10			<100			<200					<200	<10			<10	<10		<100					
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg	<100			<500			<100					<160	<100			<100	<100		<100					
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg	<10			<100			<200					<200	<10			<10	<10		<100					
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100			<500			<100					<200	<100			<100	<100		<100					
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<100			<500			<100					<200	<100			<100	<100		<100					
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg	<10			<100			<200					<200	<10			<10	<10		<100					
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg	<8			<80			<160					<160	<8			<8	<8		<80					
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg	<100			<500			<100					<200	<100			<100	<100		<100					
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg	<9	<9	<9	<90		<9	<180		<9	<9		370.0	<9	<9		<9	<9		<90		<9		<9	
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg	<7			<70			<140					<140	<7			<7	<7		<70					
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg																								0.1
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg	<7			<70			<140					<140	<7			<7	<7		<70					
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg	<10			<100			<200					<200	<10			<10	<10		<100					

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP269	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP273	AEC18-LF-TP273	AEC18-LF-TP273	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-WS201	AEC18-LF-WS201	AEC18-LF-WS203
						Sample Top	5.40	2.50	3.50	5.60	1.50	3.50	4.50	0.20	3.50	6.00	0.20	2.50	4.50	5.40	1.50	3.50	5.40	1.50	3.50	4.50	5.60	0.90	2.90	0.20
						Sample Ref	6	3	4	8	2	4	5	1	4	6	1	3	5	6	2	4	6	2	4	5	6	2	4	1
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg		<6			<60			<120					<120	<6			<6	<6		<60					
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg		47.3			<100			<200					<200	<10			43.9	93.3		<100					
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg		29.6			<70			<140					388.0	<7			24.2	39.3		<70					
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<100			<200					<200	<10			<10	<10		<100					
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg		<7			<70			<140					<140	<7			<7	<7		<70					
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg		<8			<80			<160					386.0	<8			<8	<8		<80					
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<100			<200					<200	<10			<10	<10		<100					
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg		<100			<500			<100					<200	<100			<100	<100		<100					
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<100			<200					<200	<10			<10	<10		<100					
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<100			<200					<200	<10			<10	<10		<100					
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg		<9			<90			<180					240.0	<9			<9	<9		<90					
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<100			<200					<200	<10			<10	<10		<100					
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<500			<100					<200	<100			<100	<100		<100					
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			939.0			<100					4080.0	<100			428.0	<100		222.0					
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<500			<100					14900.0	<100			<100	<100		<100					
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg		<100			<500			<100					<200	<100			<100	<100		<100					
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg		<20			<200			<400					<400	<20			<20	<20		<200					
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg		<100			<200			<100					<200	<100			<100	<100		<100					
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<500			<100					<200	<100			<100	<100		<100					
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<500			<100					<200	<100			<100	<100		<100					
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<500			<100					<200	<100			<100	<100		<100					
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg		<100			<500			<100					7960.0	<100			<100	<100		<100					
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg		<100			<500			<100					<200	<100			<100	<100		<100					
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10	<10	<100		<10	<200		<10	<10		5630.0	<10	<10		<10	112.0		<100		<10		<10	
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<500			<100					<200	<100			<100	<100		<100					
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<100			<100					1140.0	<10			<10	<10		<100					
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<500			<100					<200	<100			<100	<100		<100					
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg		68.3			237.0			<180					13100.0	<9			48.4	3080.0		<90					
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<500			<100					<200	<100			<100	<100		<100					
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg		<5			<50			<100					372.0	<5			<5	51.7		<50					
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg		<100			<500			<100					<200	<100			<100	<100		<100					
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10			<100			<200					912.0	<10			<10	434.0		<100					
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg		21.5	<10	<10	<100		<10	<200		<10	<10		14700.0	<10	<10		<10	181.0		<100		<10		<10	
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg															<1000										
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg															<1000										
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg															<1000										
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg															<1000										
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg															<1000										
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg															<1000										
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg															<1000										
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	247.0	1950.0	<500		97.9	<100		75.9	<16		1480.0	<100	889.0		<100	<100		<100		1200.0		40.0	
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg		265.0	2190.0	9700.0	1760.0		368.0	187.0		1150.0	137.0		3320.0	<100	4160.0		152.0	294.0		363.0		5540.0		196.0	
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		<100	1310.0	2580.0	769.0		93.6	140.0		1170.0	111.0		689.0	<100	1060.0		<100	<240		222.0		1810.0		88.6	
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		<100	1160.0	2230.0	830.0		81.0	129.0		917.0	119.0		492.0	<100	1050.0		<100	<180		229.0		1690.0		84.9	
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg		<100	2790.0	6160.0	12900.0		247.0	152.0		1950.0	188.0		812.0	<100	1770.0		<100	247.0		316.0		2780.0		164.0	
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg		310.0	2320.0	11700.0	33000.0		445.0	187.0		1210.0	134.0		3160.0	<100	4670.0		138.0	363.0		351.0		6530.0		220.0	

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-TP269	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP273	AEC18-LF-TP273	AEC18-LF-TP273	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-WS201	AEC18-LF-WS201	AEC18-LF-WS203
						Sample Top	5.40	2.50	3.50	5.60	1.50	3.50	4.50	0.20	3.50	6.00	0.20	2.50	4.50	5.40	1.50	3.50	5.40	1.50	3.50	4.50	5.60	0.90	2.90	0.20
						Sample Ref	6	3	4	8	2	4	5	1	4	6	1	3	5	6	2	4	6	2	4	5	6	2	4	1
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		<100	920.0	2060.0	720.0		78.3	117.0		660.0	62.0		529.0	<100	606.0		<100	<140		137.0		1090.0		60.3	
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	81.8	104.0	<500		<12	<100		45.6	<12		431.0	<100	108.0		<100	<100		<100		361.0		21.1	
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		<100	1040.0	3410.0	1000.0		149.0	117.0		880.0	90.0		1240.0	<100	1410.0		<100	143.0		224.0		2420.0		109.0	
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg		<100	2110.0	4550.0	8060.0		146.0	117.0		1350.0	137.0		750.0	<100	1550.0		<100	196.0		291.0		2450.0		113.0	
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg		<100	256.0	520.0	1170.0		<23	<100		270.0	<23		<200	<100	188.0		<100	<100		<100		294.0		<23	
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg		<100	1440.0	4650.0	12100.0		153.0	117.0		820.0	86.5		1180.0	<100	1590.0		<100	<140		239.0		2450.0		94.6	
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	60.2	691.0	<500		134.0	<100		21.3	<8		1920.0	<100	995.0		<100	<100		<100		757.0		108.0	
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg		227.0	558.0	5830.0	31700.0		323.0	115.0		162.0	27.6		5230.0	<100	3380.0		<100	240.0		152.0		3710.0		216.0	
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	48.3	599.0	4290.0		97.3	<100		13.6	<10		2260.0	<100	692.0		<100	<100		<10		503.0		102.0	
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg		<100	18.0	43.5	<130		<9	<100		<9	<9		6780.0	<100	476.0		<100	<100		<100		261.0		41.6	
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.075	<0.015	<0.015	<0.015	10.0	0.0	0.8	<0.015	0.0	0.0	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	0.0	2.6	0.0	0.3	0.0	0.0	0.0	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg															<0.02										
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10		<100		<10	<200					<200	<10			<10	<10		<100		<10			
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10		<10		<10	<10					<100	<10			<10	<50		<10		<10			
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg		<10	<10		<10		<10	<10					<100	<10			<10	<50		<10		<10			
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg		386.0	<10		155.0		308.0	214.0					38100.0	35.8			1070.0	5690.0		10.5		125.0			
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg		391.0	<10		361.0		355.0	309.0					59300.0	52.5			1390.0	14400.0		<10		156.0			
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100	6290.0		30800.0		520.0	1960.0					285000.0	<100			334.0	<100		1080.0		3530.0			
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg		6720.0	69300.0		248000.0		3460.0	11200.0					968000.0	760.0			68100.0	33900.0		5250.0		16200.0			
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg		72500.0	413000.0		438000.0		13100.0	40600.0					3450000.0	4350.0			195000.0	104000.0		44700.0		85800.0			
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg		3500.0	166000.0		77600.0		2080.0	12500.0					503000.0	438.0			7780.0	4700.0		15400.0		34100.0			
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg		34.8	<10		<10		21.9	16.4					1090.0	10.2			29.0	76.1		<10		18.1			
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg		146.0	<10		15.9		134.0	72.5					13500.0	39.7			92.5	273.0		21.1		60.6			
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg		578.0	<10		233.0		462.0	321.0					57100.0	52.5			1600.0	8530.0		15.2		188.0			
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg		586.0	<10		543.0		531.0	463.0					88900.0	79.4			2080.0	21700.0		11.7		233.0			
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg		1150.0	10400.0		113000.0		1330.0	1560.0					599000.0	<100			31900.0	18800.0		<100		4430.0			
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		15200.0	34200.0		520000.0		2070.0	5060.0					2890000.0	2240.0			205000.0	94400.0		5290.0		14900.0			
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		188000.0	121000.0		977000.0		304.0	27200.0					6900000.0	7430.0			575000.0	244000.0		46900.0		92400.0			
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg		19500.0	47500.0		112000.0		<100	3670.0					743000.0	<100			57800.0	35900.0		8050.0		47200.0			
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									<0.3
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg																									<0.03
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<500			<100					<200	<100			<100	<100		<100					
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<500			<100					<200	<100			<100	<100		<100					
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<500			<100					<200	<100			<100	<100		<100					
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg		<100			<500			<100					<200	<100			<100	<100		<100					

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-WS203	AEC18-LF-WS204	AEC18-LF-WS205A	AEC18-LF-WS205A	AEC18-LF-WS206A	AEC18-LF-WS206A	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS208A	AEC18-LF-WS208A	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS211	AEC18-LF-WS211	AEC18-LF-WS212	AEC18-LF-WS212	AEC18-LF-WS213	AEC18-LF-WS213	AEC18-LF-WS214
						Sample Top	4.00	1.00	0.80	3.20	0.70	4.60	0.10	2.10	4.20	0.30	2.20	0.30	0.90	3.90	0.00	2.20	3.50	1.00	4.40	0.40	3.00	1.00	2.40	1.40
						Sample Ref	7	2	3	6	2	5	1	3	5	1	3	1	2	4	1	4	6	2	6	1	3	2	4	4
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg																								
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																								
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg																								
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg																								
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg		6.6	<1	<1	3.6	<1	12.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	16.6	<1	<1	<1
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		172.0	45.4	100.0	49.3	95.7	827.0	17.9	171.0	106.0	42.1	33.7	83.9	36.4	40.6	116.0	25.4	33.4	18.9	345.0	132.0	58.6	66.1	84.1	22.7
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.1	<0.14	<0.14	0.3	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		20.5	23.9	29.5	19.8	17.1	126.0	26.9	109.0	25.0	20.4	20.0	20.8	29.5	9.4	39.2	17.3	13.7	19.5	124.0	38.5	34.6	29.8	24.0	30.9
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg		5.4	<0.6	1.0	<0.6	1.4	6.7	<0.6	1.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	3.7	<0.6	<0.6	<0.6	1.7	0.8	7.2	<0.6	<0.6	<0.6
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		12.3	13.9	14.0	8.9	9.2	6.2	18.2	16.0	16.2	12.3	15.5	15.1	13.5	7.5	24.4	17.5	11.5	20.3	13.4	18.8	10.1	29.5	12.6	22.7
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		0.7	1.7	1.6	0.3	0.7	0.3	0.8	0.6	1.8	1.1	0.4	1.1	1.2	0.4	2.0	0.8	0.5	0.8	2.1	1.6	0.8	1.2	0.8	1.4
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		4.0	<1	2.6	2.7	1.7	3.7	<1	2.8	4.8	<1	1.6	<1	<1	<1	<1	1.4	1.6	<1	4.2	2.8	2.2	2.5	2.4	<1
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		0.6	0.2	0.6	0.3	0.2	0.4	0.0	2.9	0.5	0.1	<0.02	0.4	0.1	0.0	<0.02	<0.02	0.1	0.0	0.6	0.4	3.6	<0.02	0.3	0.2
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		17.9	18.9	21.6	7.7	13.0	146.0	19.1	14.5	22.7	17.2	3.4	11.0	17.8	8.5	20.3	25.6	24.5	11.0	31.5	18.4	16.0	5.4	67.8	31.5
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		109.0	40.0	43.7	42.7	59.3	53.2	18.9	66.7	65.4	28.5	16.5	30.6	22.9	7.5	44.2	15.9	14.3	17.7	57.0	92.1	30.3	418.0	39.2	19.4
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		22.5	46.1	41.5	15.0	30.6	12.9	49.4	18.4	51.6	41.4	39.2	30.9	38.4	27.5	50.7	61.9	46.3	35.1	49.2	45.1	26.9	65.5	33.3	50.1
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		220.0	91.9	202.0	181.0	163.0	828.0	77.6	168.0	198.0	111.0	147.0	185.0	114.0	2210.0	197.0	57.5	62.3	69.5	215.0	333.0	107.0	136.0	155.0	82.7
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.5
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg			<0.035	<0.035	0.1	<0.035		<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.1	<0.035	<0.035
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

					Hole Ref	AEC18-LF-WS203	AEC18-LF-WS204	AEC18-LF-WS205A	AEC18-LF-WS205A	AEC18-LF-WS206A	AEC18-LF-WS206A	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS208A	AEC18-LF-WS208A	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS211	AEC18-LF-WS211	AEC18-LF-WS212	AEC18-LF-WS212	AEC18-LF-WS213	AEC18-LF-WS213	AEC18-LF-WS214
					Sample Top	4.00	1.00	0.80	3.20	0.70	4.60	0.10	2.10	4.20	0.30	2.20	0.30	0.90	3.90	0.00	2.20	3.50	1.00	4.40	0.40	3.00	1.00	2.40	1.40
					Sample Ref	7	2	3	6	2	5	1	3	5	1	3	1	2	4	1	4	6	2	6	1	3	2	4	4
Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	**3860**	**Commercial**	**mg/kg**	**0**	mg/kg																								
n-Butylbenzene	**26.598**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4-Dimethylphenol	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
3/4 Methylphenol	**46000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,4-Dichlorobenzene	**4220**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,2-Dichloroethane	**0.671**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,3,5-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Bromobenzene	**91.5**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chlorobenzene	**55.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Phenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	0.0	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	0.0	<0.01	<0.01
Bis(2-chloroethoxy)methane	**0.956**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Bis(2-ethylhexyl)phthalate	**16600**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Di-N-Octyl Phthalate	**20000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Hexachlorobenzene (HCB)	**28.9**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,4-Trichlorobenzene	**215**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4-Dichlorophenol	**977**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2,4-Dinitrotoluene	**928**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Dibromochloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Tetrachloroethene	**18.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Dimethylphthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Dibenzofuran	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Sec-Butylbenzene	**26.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
cis-1,2-Dichloroethene	**13.6**	**Commercial**	**mg/kg**	**0**	mg/kg																								
trans-1,2-Dichloroethene	**20.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Methyl tert-butyl ether (MTBE)	**7480**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,3-Dichlorobenzene	**29.9**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Tetrachloromethane (Carbon Tetra Chloride)	**2.87**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,3,4,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Chloro-3-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2,6-Dinitrotoluene	**468**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,1,1,2-Tetrachloroethane	**108**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chloroform	**99.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1,1-Trichloroethane	**660**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chloroethene	**0.0594**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Tribromomethane	**714**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Bromodichloromethane	**1.96**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1-Dichloroethane	**263**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1-Dichloroethene	**24.3**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,2-Dichloropropane	**3.13**	**Commercial**	**mg/kg**	**0**	mg/kg																								
1,1,2-Trichloroethane	**89.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Trichloroethene	**1.23**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Diethylphthalate	**89300**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Di-N-Butyl Phthalate	**2630**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Butylbenzylphthalate	**254000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Carbazole	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,3 Trichlorobenzene	**102**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Hexachlorobutadiene (HCBD)	**30.7**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Pentachlorophenol (PCP)	**113**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2,4,6-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
2-Methylnaphthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Chloronaphthalene	**370**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,3,5,6-Tetrachlorophenol	**1000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	AEC18-LF-WS203 ES	AEC18-LF-WS204 ES	AEC18-LF-WS205A ES	AEC18-LF-WS205A ES	AEC18-LF-WS206A ES	AEC18-LF-WS206A ES	AEC18-LF-WS207 ES	AEC18-LF-WS207 ES	AEC18-LF-WS207 ES	AEC18-LF-WS208A ES	AEC18-LF-WS208A ES	AEC18-LF-WS209 ES	AEC18-LF-WS209 ES	AEC18-LF-WS209 ES	AEC18-LF-WS210 ES	AEC18-LF-WS210 ES	AEC18-LF-WS210 ES	AEC18-LF-WS211 ES	AEC18-LF-WS211 ES	AEC18-LF-WS212 ES	AEC18-LF-WS212 ES	AEC18-LF-WS213 ES	AEC18-LF-WS213 ES	AEC18-LF-WS214 ES
					Hole Ref	AEC18-LF-WS203	AEC18-LF-WS204	AEC18-LF-WS205A	AEC18-LF-WS205A	AEC18-LF-WS206A	AEC18-LF-WS206A	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS208A	AEC18-LF-WS208A	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS211	AEC18-LF-WS211	AEC18-LF-WS212	AEC18-LF-WS212	AEC18-LF-WS213	AEC18-LF-WS213	AEC18-LF-WS214
					Sample Top	4.00	1.00	0.80	3.20	0.70	4.60	0.10	2.10	4.20	0.30	2.20	0.30	0.90	3.90	0.00	2.20	3.50	1.00	4.40	0.40	3.00	1.00	2.40	1.40
					Sample Ref	7	2	3	6	2	5	1	3	5	1	3	1	2	4	1	4	6	2	6	1	3	2	4	4
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																								
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																								
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg																								
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg											<0.6													
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg																					<1			
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg																					2.0			
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg	6.8			94.8		12.4	<4		<4		<4			211.0		<4	<4		246.0					<4
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg						<10													<100					
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg						90.0													<100					
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg						<11													<110					
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg						2860.0													<200					
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg						<5													<50					
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg						416.0													<80					
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg						<10													<100					
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg	<7			10.8		<7	<7		<7		<7			<7		<7	<7		<70					<7
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg						<5													<50					
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg						2430.0													<200					
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg						<1000													<200					
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg						707000.0													1290.0					
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													282.0					
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000					<50								<200					
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg						<1000													<200					
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg						<10													<100					
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg						<5													<50					
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg						<1000													3930.0					
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg						16.4													<100					
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg						<6													<60					
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg						<10													<100					
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																								
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg						<1000													<200					
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg						<10													<100					
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg						<10													<100					
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg						<8													<80					
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg						<1000													<200					
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg	<9			<9		<9	<9		<9		<9			<9		<9	<9		<90					<9
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg						<7													<70					
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg						<7													<70					
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg						<10													<100					

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-WS203	AEC18-LF-WS204	AEC18-LF-WS205A	AEC18-LF-WS205A	AEC18-LF-WS206A	AEC18-LF-WS206A	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS208A	AEC18-LF-WS208A	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS211	AEC18-LF-WS211	AEC18-LF-WS212	AEC18-LF-WS212	AEC18-LF-WS213	AEC18-LF-WS213	AEC18-LF-WS214
						Sample Top	4.00	1.00	0.80	3.20	0.70	4.60	0.10	2.10	4.20	0.30	2.20	0.30	0.90	3.90	0.00	2.20	3.50	1.00	4.40	0.40	3.00	1.00	2.40	1.40
						Sample Ref	7	2	3	6	2	5	1	3	5	1	3	1	2	4	1	4	6	2	6	1	3	2	4	4
							ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg						<6													<60					
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg						<10													<100					
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg						23.5													<70					
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg						<10													<100					
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg						<7													<70					
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg						<8													<80					
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg						<10													<100					
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg						<1000													<200					
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg						<10													<100					
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg						<10													<100					
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg						<9													<90					
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg						<10													<100					
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg						37800.0													<200					
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg						<1000													1240.0					
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg						<20													<200					
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg						<1000													<200					
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg						1980.0													1640.0					
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg						<1000													<200					
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg	<10			45.0		<10	<10		<10		<10				19.5		<10	<10		125.0					<10
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg						<10													<100					
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg						1610.0													<90					
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg						32.2													<50					
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg						<1000													<200					
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg						<10													<100					
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg	153.0			373.0		4420.0	<10		<10		<10				389.0		<10	<10		1130.0					<10
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg												<50													
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg												<50													
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg												<50													
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg												<50													
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg												<50													
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg												<50													
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg												<50													
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg	136.0			4240.0		<1000	<16		<16		264.0				507.0		<16	59.8		3090.0					<16
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg	488.0			10500.0		<1000	48.4		113.0		541.0				2110.0		151.0	509.0		14800.0					<15
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg	102.0			1350.0		<1000	<24		74.4		85.2				441.0		35.8	204.0		2250.0					<24
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg	76.5			1610.0		<1000	24.7		63.3		82.7				344.0		32.5	195.0		2750.0					<18
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg	145.0			3950.0		<1000	41.8		74.8		184.0				866.0		71.1	427.0		8290.0					<15
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg	444.0			13000.0		<1000	53.3		115.0		722.0				2680.0		187.0	585.0		20800.0					<17

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	AEC18-LF-WS203	AEC18-LF-WS204	AEC18-LF-WS205A	AEC18-LF-WS205A	AEC18-LF-WS206A	AEC18-LF-WS206A	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS208A	AEC18-LF-WS208A	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS211	AEC18-LF-WS211	AEC18-LF-WS212	AEC18-LF-WS212	AEC18-LF-WS213	AEC18-LF-WS213	AEC18-LF-WS214
					Hole Ref																							
					Sample Top	4.00	1.00	0.80	3.20	0.70	4.60	0.10	2.10	4.20	0.30	2.20	0.30	0.90	3.90	0.00	2.20	3.50	1.00	4.40	0.40	3.00	1.00	2.40	1.40
					Sample Ref	7	2	3	6	2	5	1	3	5	1	3	1	2	4	1	4	6	2	6	1	3	2	4	4
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg	66.2			1110.0		<1000	<14		34.4		73.4			317.0		33.7	140.0		7760.0					<14
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<12			99.3		<1000	<12		<12		18.9			76.0		<12	30.7		7560.0					<12
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg	232.0			3760.0		<1000	25.0		64.8		181.0			625.0		57.2	276.0		8700.0					<10
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg	132.0			2490.0		<1000	31.3		70.9		127.0			674.0		51.0	287.0		9990.0					<15
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg	<23			287.0		<1000	<23		<23		<23			91.0		<23	43.3		1010.0					<23
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg	161.0			3610.0		<1000	27.1		62.8		164.0			803.0		53.2	265.0		10600.0					<14
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg	62.9			4200.0		<1000	<8		<8		523.0			2080.0		52.5	45.2		5310.0					<8
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg	624.0			13600.0		1040.0	<15		30.0		604.0			2420.0		48.0	216.0		24500.0					<15
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg	120.0			3450.0		<1000	<10		<10		481.0			1080.0		31.9	33.6		7280.0					<10
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg	233.0			1450.0		33.3	<9		<9		58.7			1020.0		<9	18.7		714.0					<9
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.015	<0.015	0.1	<0.015		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.075	<0.015	<0.015	0.0	<0.015	<0.015
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	0.0	<0.01		0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	0.0	0.1	<0.01	<0.01
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg											<0.02													
Methyl tert-butyl ether (MBTE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg						<10										<10	<10		<100					
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg						<10										<10	<10		<10					
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg						<10										<10	<10		27.6					
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg						9040.0										17.7	16.2		1950.0					
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg						1400.0										24.8	15.1		1400.0					
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg						19200.0										<100	<100		44600.0					
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg						143000.0										1950.0	1270.0		132000.0					
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg						333000.0										12700.0	9880.0		463000.0					
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg						31100.0										3410.0	1490.0		183000.0					
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg						23.6										<10	<10		26.4					
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg						199.0										10.6	16.2		132.0					
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg						3570.0										26.0	24.4		2930.0					
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg						2100.0										36.6	22.0		2100.0					
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg						26000.0										1090.0	759.0		16100.0					
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg						102000.0										2650.0	7940.0		58400.0					
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg						216000.0										44700.0	72800.0		604000.0					
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg						20300.0										2600.0	13700.0		164000.0					
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg																								
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg						<1000													<200					

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-WS214	AEC18-LF-WS215A	AEC18-LF-WS215A	AEC18-LF-WS216	AEC18-LF-WS216	AEC18-LF-WS217	AEC18-LF-WS217B	AEC18-LF-WS218	AEC18-LF-WS218	AEC18-LF-WS219	AEC18-LF-WS219	AEC18-LF-WS220	AEC18-LF-WS220	AEC18-LF-WS221	AEC18-LF-WS221	AEC18-LF-WS222	AEC18-LF-WS222	AEC18-LF-WS223	AEC18-LF-WS223	AEC18-LF-WS224	AEC18-LF-WS224	AEC18-LF-WS224	AEC18-LF-WS225	AEC18-LF-WS225
						Sample Top	3.20	0.30	4.10	0.30	2.60	1.70	4.20	0.40	3.70	0.30	2.00	0.40	3.40	1.40	4.40	1.50	3.20	0.50	1.50	1.80	3.60	4.50	0.50	2.30
						Sample Ref	7	1	6	1	4	2	6	1	4	1	4	2	6	3	5	3	5	1	3	4	6	7	2	5
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg																									
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg																									
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg																									
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg																									
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg		<1	<1	2.9	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	12.6	<1	<1	2.6	<1	<1	<1	<0.5	<1	<1	<1
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg		56.0	19.2	484.0	11.8	99.3	5.1	30.0	16.7	218.0	13.9	74.8	23.6	200.0	49.9	13.4	24.1	108.0	30.1	27.4	48.9	2430.0	29.3	125.0	57.3
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.14	<0.14	1.5	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.0001	<0.14	<0.14	<0.14
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg		48.0	14.2	37.5	7.3	21.6	5.0	21.5	22.8	1330.0	7.2	30.1	22.4	26.2	86.9	3.8	160.0	33.7	18.7	35.5	24.2	1.1	5.4	26.9	30.6
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg		0.9	<0.6	1.5	9.4	<0.6	<0.6	9.5	<0.6	2.6	<0.6	<0.6	<0.6	4.7	2.2	<0.6	<0.6	3.6	<0.6	<0.6	0.9	1.6	<0.6	4.3	<0.6
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg		20.5	7.2	19.9	2.4	13.9	1.1	11.4	7.2	17.5	2.7	17.4	12.6	14.7	14.0	1.9	16.5	12.6	10.8	14.2	13.1	0.1	5.5	13.1	20.0
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg		1.4	0.6	1.6	0.3	0.8	0.2	0.8	1.0	1.0	0.3	1.1	1.0	1.2	0.8	0.2	5.7	1.4	0.9	1.0	0.7	<0.001	9.5	1.3	1.5
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg		1.1	<1	2.1	<1	1.3	<1	4.2	<1	6.7	<1	1.5	<1	1.7	4.4	1.2	<1	3.6	1.2	1.2	1.2	4.6	3.1	1.7	2.0
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg		0.1	0.2	1.7	0.2	0.2	0.3	0.2	0.3	0.6	0.1	0.3	0.1	0.5	0.3	0.2	2.2	0.7	0.3	0.2	0.2	0.0	0.1	0.3	0.2
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg		60.5	10.6	99.3	4.0	12.6	3.4	10.8	16.2	12.7	5.7	18.1	25.5	15.7	57.2	3.2	44.5	25.4	20.8	27.3	23.4	877.0	14.3	25.8	32.8
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg		29.0	10.1	82.7	6.7	25.9	4.3	87.8	12.0	265.0	8.2	199.0	21.2	36.7	28.1	9.0	43.6	127.0	22.2	32.4	29.2	0.0	15.8	31.3	23.1
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		74.0	21.5	53.4	7.1	30.0	5.7	27.9	31.0	24.8	10.7	26.8	60.5	42.1	37.4	5.8	80.3	31.3	43.8	50.5	30.0	0.0	30.1	51.1	69.0
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg		102.0	66.9	294.0	236.0	84.0	30.0	116.0	66.4	404.0	34.9	88.5	68.9	99.7	114.0	32.7	197.0	419.0	61.4	85.2	83.4	3250.0	42.0	119.0	91.6
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg		1.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.01	2.0	<1	1.1
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg		<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	2.2	<0.035	<0.035	0.7	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	1.1	4.6	<0.035	<0.035
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg																									

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-WS214	AEC18-LF-WS215A	AEC18-LF-WS215A	AEC18-LF-WS216	AEC18-LF-WS216	AEC18-LF-WS217	AEC18-LF-WS217B	AEC18-LF-WS218	AEC18-LF-WS218	AEC18-LF-WS219	AEC18-LF-WS219	AEC18-LF-WS220	AEC18-LF-WS220	AEC18-LF-WS221	AEC18-LF-WS221	AEC18-LF-WS222	AEC18-LF-WS222	AEC18-LF-WS223	AEC18-LF-WS223	AEC18-LF-WS224	AEC18-LF-WS224	AEC18-LF-WS224	AEC18-LF-WS225	AEC18-LF-WS225
						Sample Top	3.20	0.30	4.10	0.30	2.60	1.70	4.20	0.40	3.70	0.30	2.00	0.40	3.40	1.40	4.40	1.50	3.20	0.50	1.50	1.80	3.60	4.50	0.50	2.30
						Sample Ref	7	1	6	1	4	2	6	1	4	1	4	2	6	3	5	3	5	1	3	4	6	7	2	5
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg																								
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg																								
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg																								
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg																								
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg																								
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg																								
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg																								
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg																								
Phenol	7600	POS PARK	mg/kg	0	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.1	<0.01	<0.01
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg																								
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg																								
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg																								
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg																								
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg																								
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg																								
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg																								
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg																								
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg																								
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg																								
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg																								
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg																								
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg																								
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg																								
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg																								
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg																								
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg																								
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg																								
Chloroform	99.1	Commercial	mg/kg	0	mg/kg																								
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg																								
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg																								
Tribromomethane	714	Commercial	mg/kg	0	mg/kg																								
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg																								
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg																								
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg																								
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg																								
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg																								
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg																								
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg																								
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg																								
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg																								
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg																								
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg																								
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg																								
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg																								
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg																								
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg																								
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg																								
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg																								

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-WS214	AEC18-LF-WS215A	AEC18-LF-WS215A	AEC18-LF-WS216	AEC18-LF-WS216	AEC18-LF-WS217	AEC18-LF-WS217B	AEC18-LF-WS218	AEC18-LF-WS218	AEC18-LF-WS219	AEC18-LF-WS219	AEC18-LF-WS220	AEC18-LF-WS220	AEC18-LF-WS221	AEC18-LF-WS221	AEC18-LF-WS222	AEC18-LF-WS222	AEC18-LF-WS223	AEC18-LF-WS223	AEC18-LF-WS224	AEC18-LF-WS224	AEC18-LF-WS224	AEC18-LF-WS225	AEC18-LF-WS225
						Sample Top	3.20	0.30	4.10	0.30	2.60	1.70	4.20	0.40	3.70	0.30	2.00	0.40	3.40	1.40	4.40	1.50	3.20	0.50	1.50	1.80	3.60	4.50	0.50	2.30
						Sample Ref	7	1	6	1	4	2	6	1	4	1	4	2	6	3	5	3	5	1	3	4	6	7	2	5
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
O-Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Methylphenol	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2-Dichlorobenzene	**2020**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2-Chlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
1,2,4-Trimethylbenzene	**39.4**	**Commercial**	**mg/kg**	**0**	mg/kg																									
2,4,5-Trichlorophenol	**1010**	**POS PARK**	**mg/kg**	**0**	mg/kg																					<0.01				
Isopropylbenzene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
4-Isopropyltoluene	**1300**	**Commercial**	**mg/kg**	**0**	mg/kg																									
m,p xylenes	**5923.3**	**Commercial**	**mg/kg**	**0**	mg/kg																									
Chromium - Hexavalent	**220**	**POS PARK**	**mg/kg**	**0**	mg/kg															<0.6						0.9				
Cyanide Free	**168**	**Commercial**	**mg/kg**	**0**	mg/kg															<1			<1			<0.5				
Complex Cyanide	**3460**	**POS PARK**	**mg/kg**	**0**	mg/kg															10.8			<1			<0.5				
4-Nitrophenol	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<500											<100			<100			<200	<2000	<100		
Ethylbenzene	**5705504.8**	**Commercial**	**ug/kg**	**0**	ug/kg	<4			<80	<4			<4		<40		<80	<4	<4	699.0	<4	<4	<4	<4	<4	<4	88000.0	1080.0	<4	<4
Styrene	**3170000**	**Commercial**	**ug/kg**	**0**	ug/kg				<200											<200			<10			<200	<200	<10		
n-Propylbenzene	**3860000**	**Commercial**	**ug/kg**	**0**	ug/kg				<200											<200			<10			29700.0	409.0	<10		
n-Butylbenzene	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg				<220											<220			<11			11300.0	359.0	<11		
2,4-Dimethylphenol	**9180000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<500											328.0			<100			<200	3680.0	<100		
4-Methylphenol	**46000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<500											<100			<100			<200	<2000	<100		
1,4-Dichlorobenzene	**4220000**	**Commercial**	**ug/kg**	**0**	ug/kg				<100											<100			<100			1600.0	<100	<100		
1,2-Dichloroethane	**671**	**Commercial**	**ug/kg**	**0**	ug/kg				<100											<100			<5			<100	<100	<5		
1,3,5-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**3**	ug/kg				<160											632.0			<8			184000.0	4300.0	<8		
Bromobenzene	**91500**	**Commercial**	**ug/kg**	**0**	ug/kg				<200											<200			<10			<200	<200	<10		
Toluene VOC	**56293712.79**	**Commercial**	**ug/kg**	**0**	ug/kg	<7			<140	<7			<7		<70		<140	<7	<7	495.0	<7	<7	<7	<7	<7	<7	62500.0	315.0	<7	<7
Chlorobenzene	**55600**	**Commercial**	**ug/kg**	**0**	ug/kg				<100											<100			<5			<100	<100	<5		
Phenol SVOC	**7600000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<500											<100			<100			<200	<2000	<100		
Bis(2-chloroethoxy)methane	**956**	**Commercial**	**ug/kg**	**1**	ug/kg				<500											<100			<100			<200	<2000	<100		
Bis(2-ethylhexyl)phthalate	**16600000**	**POS PARK**	**ug/kg**	**0**	ug/kg				4130.0											<100			<100			15600.0	2530.0	763.0		
n-Dioctylphthalate	**20000000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<500											<100			<100			1120.0	<2000	<100		
Hexachlorobenzene	**28900**	**POS PARK**	**ug/kg**	**0**	ug/kg				<500											<100			<100			<1000	<2000	<100		
1,2,4-Trichlorobenzene	**215000**	**Commercial**	**ug/kg**	**0**	ug/kg				<400											<100			<100			<200	<2000	<100		
2,4-Dichlorophenol	**977000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<500											<100			<100			<200	<2000	<100		
2,4-Dinitrotoluene	**928000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<500											<100			<100			<200	<2000	<100		
Dibromochloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg				<200											<200			<10			<200	<200	<10		
Tetrachloroethene	**18600**	**Commercial**	**ug/kg**	**0**	ug/kg				<100											<100			<5			197.0	<100	<5		
Dimethyl phthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<500											<100			<100			<200	<2000	<100		
Dibenzofuran	**10800**	**POS PARK**	**ug/kg**	**5**	ug/kg				<500											948.0			<100			<200	68400.0	<100		
sec-Butylbenzene	**26597.8811**	**Commercial**	**ug/kg**	**0**	ug/kg				<200											<200			<10			8240.0	<200	<10		
cis 1,2-Dichloroethene	**13600**	**Commercial**	**ug/kg**	**0**	ug/kg				<120											<120			<6			4040.0	<120	<6		
trans 1,2-Dichloroethene	**20700**	**Commercial**	**ug/kg**	**0**	ug/kg				<200											<200			<10			<200	<200	<10		
Perylene	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
1,3-Dichlorobenzene	**29900**	**Commercial**	**ug/kg**	**0**	ug/kg				<160											<100			<100			<160	<160	<100		
Carbon Tetrachloride	**2870**	**Commercial**	**ug/kg**	**0**	ug/kg				<200											<200			<10			<200	<200	<10		
4-Chloro-3-methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<500											<100			<100			988.0	<2000	<100		
2,6-Dinitrotoluene	**468000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<500											<100			<100			<200	<2000	<100		
1,1,1,2-Tetrachloroethane	**108000**	**Commercial**	**ug/kg**	**0**	ug/kg				<200											<200			<10			<200	<200	<10		
Chloroform	**99100**	**Commercial**	**ug/kg**	**0**	ug/kg				<160											<160			<8			<160	<160	<8		
Hexachloroethane	**20900000**	**Commercial**	**ug/kg**	**0**	ug/kg				<500											<100			<100			<200	<2000	<100		
Benzene VOC	**26597.9**	**Commercial**	**ug/kg**	**0**	ug/kg	<9			<180	<9			<9		<90		<180	<9	<9	<180	<9	<9	<9	<9	<9	<9	276.0	<180	<9	<9
1,1,1-Trichloroethane	**660000**	**Commercial**	**ug/kg**	**0**	ug/kg				<140											<140			<7			<140	<140	<7		
Barium	**5770**	**POS PARK**	**mg/kg**	**0**	mg/kg																					1.2				
Chloromethane	**956000**	**Commercial**	**ug/kg**	**0**	ug/kg				<140											<140			<7			<140	<140	<7		
Chloroethane	**904000000**	**Commercial**	**ug/kg**	**0**	ug/kg				<200											<200			<10			<200	<200	<10		

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-WS214	AEC18-LF-WS215A	AEC18-LF-WS215A	AEC18-LF-WS216	AEC18-LF-WS216	AEC18-LF-WS217	AEC18-LF-WS217B	AEC18-LF-WS218	AEC18-LF-WS218	AEC18-LF-WS219	AEC18-LF-WS219	AEC18-LF-WS220	AEC18-LF-WS220	AEC18-LF-WS221	AEC18-LF-WS221	AEC18-LF-WS222	AEC18-LF-WS222	AEC18-LF-WS223	AEC18-LF-WS223	AEC18-LF-WS224	AEC18-LF-WS224	AEC18-LF-WS224	AEC18-LF-WS225	AEC18-LF-WS225
						Sample Top	3.20	0.30	4.10	0.30	2.60	1.70	4.20	0.40	3.70	0.30	2.00	0.40	3.40	1.40	4.40	1.50	3.20	0.50	1.50	1.80	3.60	4.50	0.50	2.30
						Sample Ref	7	1	6	1	4	2	6	1	4	1	4	2	6	3	5	3	5	1	3	4	6	7	2	5
						Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg			<120												<120			<6				<120	<120	<6	
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200												<200			<10				<200	<200	<10	
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<140												<140			22.1				<140	<140	16.0	
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200												<200			<10				<200	<200	<10	
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg			<140												<140			<7				<140	<140	<7	
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg			<160												<160			<8				<160	<160	<8	
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg			<200												<200			<10				<200	<200	<10	
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg			<500												<100			<100				<200	<2000	<100	
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg			<200												<200			<10				<200	<200	<10	
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg			<200												<200			<10				<200	<200	<10	
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg			<180												<180			<9				<180	<180	<9	
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200												<200			<10				<200	<200	<10	
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500												<100			<100				<200	<2000	<100	
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500												<100			250.0				47300.0	<2000	<100	
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500												316.0			<100				369000.0	11800.0	<100	
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg			<500												222.0			<100				<200	48300.0	<100	
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg			<400												<400			<20				<400	<400	<20	
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg			<400												<100			<100				<200	<2000	<100	
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500												<100			<100				<200	<2000	<100	
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500												<100			<100				<200	<2000	<100	
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500												<100			<100				<200	<2000	<100	
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg			<500												2500.0			<100				14500.0	35000.0	<100	
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg			<500												<100			<100				<200	<2000	<100	
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg	<10		<200	<10			<10		<100		<200	<10	<10	788.0	<10	<10	<10	<10	<10	<10	64600.0	1000.0	<10	<10
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500												<100			<100				<200	<2000	<100	
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200												<100			<10				4360.0	<200	<10	
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500												<100			<100				<200	<2000	<100	
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg			<180												1590.0			<9				658000.0	17400.0	<9	
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg			<500												<100			<100				<200	<2000	<100	
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg			<100												<100			<5				6930.0	<100	<5	
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg			<500												<100			<100				<200	<2000	<100	
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg			<200												<200			<10				6550.0	<200	<10	
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg	<10		<200	<10			<10		<100		256.0	<10	<10	1670.0	<10	<10	<10	<10	<10	<10	327000.0	4060.0	<10	<10
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg																									
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																									
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg																					<1000				
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg																					<1000				
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg																					<1000				
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																					<1000				
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg																					<1000				
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg																					<1000				
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg																					<1000				
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg																									
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg	<16		606.0	60.5			23.0		56.2		8090.0	29.8	<16	236.0	115.0	<16	<100	32.0	34.7	45.0	256.0	130000.0	<100	79.3	
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg	128.0		3040.0	293.0			198.0		495.0		18600.0	186.0	55.5	1010.0	291.0	24.3	<100	259.0	246.0	284.0	756.0	291000.0	463.0	813.0	
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg	67.1		1550.0	67.0			132.0		319.0		3360.0	71.2	<24	199.0	72.1	<24	<100	100.0	90.6	98.9	<200	71600.0	175.0	209.0	
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg	57.6		1090.0	78.0			127.0		344.0		3980.0	65.0	<18	152.0	49.7	<18	<100	79.7	73.2	92.7	<18	80400.0	200.0	232.0	
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg	152.0		2380.0	126.0			171.0		512.0		7610.0	162.0	32.2	2040.0	121.0	23.1	1380.0	152.0	133.0	258.0	<15	103000.0	213.0	581.0	
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg	136.0		6360.0	338.0			216.0		532.0		24100.0	206.0	59.8	4470.0	348.0	25.2	<100	264.0	269.0	313.0	695.0	409000.0	525.0	965.0	

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	Hole Ref	AEC18-LF-WS214	AEC18-LF-WS215A	AEC18-LF-WS215A	AEC18-LF-WS216	AEC18-LF-WS216	AEC18-LF-WS217	AEC18-LF-WS217B	AEC18-LF-WS218	AEC18-LF-WS218	AEC18-LF-WS219	AEC18-LF-WS219	AEC18-LF-WS220	AEC18-LF-WS220	AEC18-LF-WS221	AEC18-LF-WS221	AEC18-LF-WS222	AEC18-LF-WS222	AEC18-LF-WS223	AEC18-LF-WS223	AEC18-LF-WS224	AEC18-LF-WS224	AEC18-LF-WS224	AEC18-LF-WS225	AEC18-LF-WS225
						Sample Top	3.20	0.30	4.10	0.30	2.60	1.70	4.20	0.40	3.70	0.30	2.00	0.40	3.40	1.40	4.40	1.50	3.20	0.50	1.50	1.80	3.60	4.50	0.50	2.30
						Sample Ref	7	1	6	1	4	2	6	1	4	1	4	2	6	3	5	3	5	1	3	4	6	7	2	5
Benzo(k)fluoranthene SVOC	**114000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg		48.7		893.0	51.3			80.5		184.0		2800.0	52.8	<14	212.0	52.1	<14	<100	56.0	58.0	86.3	<14	91600.0	200.0	210.0
Acenaphthylene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<12		<500	<12			16.1		<12		237.0	<12	<12	107.0	<12	<12	<100	<12	<12	<12	<200	8260.0	<100	18.5
Chrysene SVOC	**91000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg		73.5		1570.0	113.0			105.0		339.0		6380.0	99.1	25.3	359.0	90.1	14.5	<100	115.0	92.0	136.0	327.0	114000.0	225.0	371.0
Benzo(a)pyrene SVOC	**10800**	**POS PARK**	**ug/kg**	**8**	ug/kg		88.4		1600.0	109.0			151.0		383.0		6280.0	118.0	29.2	310.0	80.5	<15	<100	151.0	132.0	147.0	<15	83700.0	213.0	386.0
Dibenzo(ah)anthracene SVOC	**1150**	**POS PARK**	**ug/kg**	**10**	ug/kg		<23		<500	<23			<23		68.1		632.0	<23	<23	51.0	<23	<23	<100	<23	<23	<23	<200	7690.0	<100	45.4
Benzo(a)anthracene SVOC	**48800**	**POS PARK**	**ug/kg**	**2**	ug/kg		67.5		1380.0	124.0			93.6		293.0		7930.0	117.0	24.4	416.0	84.7	<14	<100	117.0	112.0	140.0	163.0	134000.0	238.0	427.0
Acenaphthene SVOC	**28900000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<8		<500	26.4			12.7		12.3		4960.0	16.6	<8	432.0	104.0	<8	<100	14.2	21.1	21.9	537.0	97800.0	<100	97.7
Phenanthrene SVOC	**6170000**	**POS PARK**	**ug/kg**	**0**	ug/kg		32.9		2870.0	235.0			97.2		130.0		29800.0	101.0	25.1	1100.0	394.0	<15	<100	98.6	134.0	115.0	2040.0	452000.0	313.0	293.0
Fluorene SVOC	**19600000**	**POS PARK**	**ug/kg**	**0**	ug/kg		<10		<500	28.3			<10		20.3		6680.0	14.7	<10	461.0	78.3	<10	<100	<10	18.9	15.7	988.0	82300.0	<100	81.7
Naphthalene SVOC	**193000**	**Commercial**	**ug/kg**	**1**	ug/kg		<9		<260	<9			16.7		13.5		5200.0	<9	<9	21800.0	22.8	<9	<100	<9	<9	59.1	146000.0	56200.0	<100	17.7
Xylenols	**9180**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	1.2	<0.015	<0.015	0.6	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.9	3.5	<0.015	<0.015
Cresols	**46100**	**POS PARK**	**mg/kg**	**0**	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.7	<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.2	1.1	<0.01	<0.01
Tributyltin	**42400**	**POS PARK**	**mg/kg**	**0**	mg/kg																						<0.02			
Methyl tert-butyl ether (MTBE)	**7480000**	**Commercial**	**ug/kg**	**0**	ug/kg				<200				<10		<100				<10	<200	<10		<10				<200	<200	<10	
Aromatics >C6-7	**27000000**	**Commercial**	**ug/kg**	**0**	ug/kg								<10		<10				<10	65.5	<10		<10				<200	<200	<10	
Aromatics >C7-8	**56293712.8**	**Commercial**	**ug/kg**	**0**	ug/kg								<10		<10				<10	530.0	<10		<10				204000.0	1450.0	<10	
Aromatics >C8-10	**3460000**	**Commercial**	**ug/kg**	**0**	ug/kg								21.1		154.0				13.8	6350.0	28.2		264.0				1550000.0	108000.0	223.0	
Aromatics >C10-12	**9240000**	**POS PARK**	**ug/kg**	**0**	ug/kg								32.2		134.0				11.3	5710.0	51.2		284.0				750000.0	131000.0	263.0	
Aromatics >C12-16	**10200000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100		<100				<100	69600.0	1900.0		3180.0				339000.0	750000.0	6340.0	
Aromatics >C16-21	**7630000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100		8500.0				2740.0	180000.0	7060.0		92800.0				767000.0	2430000.0	22100.0	
Aromatics >C21-35	**7820000**	**POS PARK**	**ug/kg**	**1**	ug/kg								<100		96300.0				37800.0	623000.0	17900.0		538000.0				4020000.0	3960000.0	62600.0	
Aromatics >C35-44	**7820000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100		13000.0				14800.0	92200.0	4890.0		95000.0				750000.0	786000.0	77700.0	
Aliphatics >C5-6	**3190000**	**Commercial**	**ug/kg**	**0**	ug/kg								<10		15.8				<10	129.0	<10		15.0				7070.0	203.0	13.8	
Aliphatics >C6-8	**7780000**	**Commercial**	**ug/kg**	**0**	ug/kg								28.9		85.0				<10	1820.0	20.5		62.5				141000.0	2110.0	43.8	
Aliphatics >C8-10	**2000000**	**Commercial**	**ug/kg**	**1**	ug/kg								31.1		230.0				20.0	9520.0	42.2		396.0				2320000.0	161000.0	334.0	
Aliphatics >C10-12	**9690000**	**Commercial**	**ug/kg**	**0**	ug/kg								48.8		200.0				16.3	8570.0	76.8		425.0				1130000.0	196000.0	394.0	
Aliphatics >C12-16	**24700000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100		1380.0				<100	74400.0	4190.0		7400.0				1110000.0	190000.0	9930.0	
Aliphatics >C16-21	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg								1430.0		9330.0				4730.0	443000.0	15400.0		194000.0				3910000.0	661000.0	28300.0	
Aliphatics >C21-35	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg								4330.0		117000.0				60100.0	1110000.0	27400.0		1100000.0				17000000.0	2320000.0	44700.0	
Aliphatics >C35-44	**455000000**	**POS PARK**	**ug/kg**	**0**	ug/kg								<100		46600.0				19400.0	129000.0	4950.0		255000.0				2400000.0	342000.0	63000.0	
Trivalent Chromium	**33000**	**POS PARK**	**mg/kg**	**0**	mg/kg																						<0.3			
Molybdenum	**2890**	**POS PARK**	**mg/kg**	**0**	mg/kg																						3.1			
4-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg				<500											<100			<100				<200	<2000	<100	
Azobenzene	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg				<500											<100			<100				<200	<2000	<100	
4-Chloroaniline	**10800000**	**POS PARK**	**ug/kg**	**0**	ug/kg				<500											<100			<100				<200	<2000	<100	
2-Nitroaniline	**10800**	**POS PARK**	**ug/kg**	**0**	ug/kg				<500											<100			<100				<200	<2000	<100	

Appendix E

E3 Full Human Health Screening Assessment

					Hole Ref	AEC18-LF-WS225
					Sample Top	4.55
					Sample Ref	7
Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	ES
Ethylbenzene	**5705.5**	**Commercial**	**mg/kg**	**0**	mg/kg	
Toluene	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg	
Anthracene	**149000**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Pyrene	**15100**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Xylene	**6603.1**	**Commercial**	**mg/kg**	**0**	mg/kg	
Benzo (g,h,i) perylene	**612**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	
Indeno(1,2,3-cd)pyrene	**44**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	
Benzo(b)fluoranthene	**13.2**	**POS PARK**	**mg/kg**	**4**	mg/kg	
Fluoranthene	**6300**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Benzo(k)fluoranthene	**114**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	
Acenaphthylene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Chrysene	**91**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	
Benzo(a)pyrene	**10.8**	**POS PARK**	**mg/kg**	**4**	mg/kg	
Dibenz-a-h-anthracene	**1.15**	**POS PARK**	**mg/kg**	**5**	mg/kg	
Benzo(a)anthracene	**48.8**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Cyanide	**24**	**POS PARK**	**mg/kg**	**5**	mg/kg	13.5
Benzene	**26.60**	**Commercial**	**mg/kg**	**0**	mg/kg	
Lead	**1300**	**POS PARK**	**mg/kg**	**13**	mg/kg	447.0
Mercury	**244**	**POS PARK**	**mg/kg**	**0**	mg/kg	1.2
Nickel	**804**	**POS PARK**	**mg/kg**	**8**	mg/kg	60.8
Antimony	**3290**	**POS PARK**	**mg/kg**	**0**	mg/kg	12.7
Arsenic	**168**	**POS PARK**	**mg/kg**	**0**	mg/kg	48.7
Beryllium	**11.7**	**Commercial**	**mg/kg**	**1**	mg/kg	6.6
Boron	**46200**	**POS PARK**	**mg/kg**	**0**	mg/kg	39.5
Cadmium	**190**	**Commercial**	**mg/kg**	**0**	mg/kg	0.7
Chromium	**8570**	**Commercial**	**mg/kg**	**1**	mg/kg	15.1
Copper	**44400**	**POS PARK**	**mg/kg**	**2**	mg/kg	305.0
Vanadium	**2820**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	39.7
Zinc	**173000**	**POS PARK**	**mg/kg**	**0**	mg/kg	677.0
Selenium	**1850**	**POS PARK**	**mg/kg**	**0**	mg/kg	1.5
Acenaphthene	**28900**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Phenanthrene	**6170**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Fluorene	**19600**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Napthalene	**193**	**Commercial**	**mg/kg**	**0**	mg/kg	
Phenol (Monohydric)	**7600**	**POS Maintenance**	**mg/kg**	**0**	mg/kg	<0.035
Aromatics >C7-8	**56293.7**	**Commercial**	**mg/kg**	**0**	mg/kg	
Aromatics >C8-10	**3460**	**Commercial**	**mg/kg**	**0**	mg/kg	
Aromatics >C10-12	**9240**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Aromatics >C12-16	**10200**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Aromatics >C16-21	**7630**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Aromatics >C21-35	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Aliphatics >C5-6	**3190**	**Commercial**	**mg/kg**	**0**	mg/kg	
Aliphatics >C6-8	**7780**	**Commercial**	**mg/kg**	**0**	mg/kg	
Aliphatics >C8-10	**2000**	**Commercial**	**mg/kg**	**0**	mg/kg	
Aliphatics >C10-12	**9690**	**Commercial**	**mg/kg**	**0**	mg/kg	
Aliphatics >C12-16	**24700**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Aliphatics >C16-21	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Aliphatics >C21-35	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Aromatics >C5-7	**27**	**Commercial**	**mg/kg**	**0**	mg/kg	
4-Nitroaniline	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg	
4-Nitrophenol	**7600**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Styrene	**3170**	**Commercial**	**mg/kg**	**0**	mg/kg	
Azobenzene	**10.8**	**POS PARK**	**mg/kg**	**0**	mg/kg	

Appendix E

E3 Full Human Health Screening Assessment

Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Hole Ref / Sample Top / Sample Ref / Sample Type	AEC18-LF-WS225 / 4.55 / 7 / ES
n-propylbenzene	3860	Commercial	mg/kg	0	mg/kg	
n-Butylbenzene	26.598	Commercial	mg/kg	0	mg/kg	
2,4-Dimethylphenol	9180	POS PARK	mg/kg	0	mg/kg	
3/4 Methylphenol	46000	POS PARK	mg/kg	0	mg/kg	
1,4-Dichlorobenzene	4220	Commercial	mg/kg	0	mg/kg	
1,2-Dichloroethane	0.671	Commercial	mg/kg	0	mg/kg	
1,3,5-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg	
Bromobenzene	91.5	Commercial	mg/kg	0	mg/kg	
Chlorobenzene	55.6	Commercial	mg/kg	0	mg/kg	
Phenol	7600	POS PARK	mg/kg	0	mg/kg	0.0
Bis(2-chloroethoxy)methane	0.956	Commercial	mg/kg	0	mg/kg	
Bis(2-ethylhexyl)phthalate	16600	POS PARK	mg/kg	0	mg/kg	
Di-N-Octyl Phthalate	20000	POS PARK	mg/kg	0	mg/kg	
Hexachlorobenzene (HCB)	28.9	POS PARK	mg/kg	0	mg/kg	
1,2,4-Trichlorobenzene	215	Commercial	mg/kg	0	mg/kg	
2,4-Dichlorophenol	977	POS PARK	mg/kg	0	mg/kg	
2,4-Dinitrotoluene	928	POS PARK	mg/kg	0	mg/kg	
Dibromochloromethane	1.96	Commercial	mg/kg	0	mg/kg	
Tetrachloroethene	18.6	Commercial	mg/kg	0	mg/kg	
Dimethylphthalate	2630	POS PARK	mg/kg	0	mg/kg	
Dibenzofuran	10.8	POS PARK	mg/kg	0	mg/kg	
Sec-Butylbenzene	26.6	Commercial	mg/kg	0	mg/kg	
cis-1,2-Dichloroethene	13.6	Commercial	mg/kg	0	mg/kg	
trans-1,2-Dichloroethene	20.7	Commercial	mg/kg	0	mg/kg	
Methyl tert-butyl ether (MTBE)	7480	Commercial	mg/kg	0	mg/kg	
1,3-Dichlorobenzene	29.9	Commercial	mg/kg	0	mg/kg	
Tetrachloromethane (Carbon Tetra Chloride)	2.87	Commercial	mg/kg	0	mg/kg	
2,3,4,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg	
4-Chloro-3-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg	
2,6-Dinitrotoluene	468	POS PARK	mg/kg	0	mg/kg	
1,1,1,2-Tetrachloroethane	108	Commercial	mg/kg	0	mg/kg	
Chloroform	99.1	Commercial	mg/kg	0	mg/kg	
1,1,1-Trichloroethane	660	Commercial	mg/kg	0	mg/kg	
Chloroethene	0.0594	Commercial	mg/kg	0	mg/kg	
Tribromomethane	714	Commercial	mg/kg	0	mg/kg	
Bromodichloromethane	1.96	Commercial	mg/kg	0	mg/kg	
1,1-Dichloroethane	263	Commercial	mg/kg	0	mg/kg	
1,1-Dichloroethene	24.3	Commercial	mg/kg	0	mg/kg	
1,2-Dichloropropane	3.13	Commercial	mg/kg	0	mg/kg	
1,1,2-Trichloroethane	89.1	Commercial	mg/kg	0	mg/kg	
Trichloroethene	1.23	Commercial	mg/kg	0	mg/kg	
Diethylphthalate	89300	POS PARK	mg/kg	0	mg/kg	
Di-N-Butyl Phthalate	2630	POS PARK	mg/kg	0	mg/kg	
Butylbenzylphthalate	254000	POS PARK	mg/kg	0	mg/kg	
Carbazole	10.8	POS PARK	mg/kg	0	mg/kg	
1,2,3 Trichlorobenzene	102	Commercial	mg/kg	0	mg/kg	
Hexachlorobutadiene (HCBD)	30.7	Commercial	mg/kg	0	mg/kg	
Pentachlorophenol (PCP)	113	POS PARK	mg/kg	0	mg/kg	
2,4,6-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg	
2-Nitroaniline	10.8	POS PARK	mg/kg	0	mg/kg	
2-Methylnaphthalene	193	Commercial	mg/kg	0	mg/kg	
2-Chloronaphthalene	370	Commercial	mg/kg	0	mg/kg	
2,3,5,6-Tetrachlorophenol	1000	POS PARK	mg/kg	0	mg/kg	

Appendix E

E3 Full Human Health Screening Assessment

					Hole Ref	AEC18-LF-WS225
					Sample Top	4.55
					Sample Ref	7
Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	ES
O-Xylene	6603.1	Commercial	mg/kg	0	mg/kg	
2-Methylphenol	46100	POS PARK	mg/kg	0	mg/kg	
1,2-Dichlorobenzene	2020	Commercial	mg/kg	0	mg/kg	
2-Chlorophenol	1010	POS PARK	mg/kg	0	mg/kg	
1,2,4-Trimethylbenzene	39.4	Commercial	mg/kg	0	mg/kg	
2,4,5-Trichlorophenol	1010	POS PARK	mg/kg	0	mg/kg	
Isopropylbenzene	1300	Commercial	mg/kg	0	mg/kg	
4-Isopropyltoluene	1300	Commercial	mg/kg	0	mg/kg	
m,p xylenes	5923.3	Commercial	mg/kg	0	mg/kg	
Chromium - Hexavalent	220	POS PARK	mg/kg	0	mg/kg	
Cyanide Free	168	Commercial	mg/kg	0	mg/kg	
Complex Cyanide	3460	POS PARK	mg/kg	0	mg/kg	
4-Nitrophenol	7600000	POS PARK	ug/kg	0	ug/kg	
Ethylbenzene	5705504.8	Commercial	ug/kg	0	ug/kg	<800
Styrene	3170000	Commercial	ug/kg	0	ug/kg	
n-Propylbenzene	3860000	Commercial	ug/kg	0	ug/kg	
n-Butylbenzene	26597.9	Commercial	ug/kg	0	ug/kg	
2,4-Dimethylphenol	9180000	POS PARK	ug/kg	0	ug/kg	
4-Methylphenol	46000000	POS PARK	ug/kg	0	ug/kg	
1,4-Dichlorobenzene	4220000	Commercial	ug/kg	0	ug/kg	
1,2-Dichloroethane	671	Commercial	ug/kg	0	ug/kg	
1,3,5-Trimethylbenzene	39400	Commercial	ug/kg	3	ug/kg	
Bromobenzene	91500	Commercial	ug/kg	0	ug/kg	
Toluene VOC	56293712.79	Commercial	ug/kg	0	ug/kg	<1400
Chlorobenzene	55600	Commercial	ug/kg	0	ug/kg	
Phenol SVOC	7600000	POS PARK	ug/kg	0	ug/kg	
Bis(2-chloroethoxy)methane	956	Commercial	ug/kg	1	ug/kg	
Bis(2-ethylhexyl)phthalate	16600000	POS PARK	ug/kg	0	ug/kg	
n-Dioctylphthalate	20000000	POS PARK	ug/kg	0	ug/kg	
Hexachlorobenzene	28900	POS PARK	ug/kg	0	ug/kg	
1,2,4-Trichlorobenzene	215000	Commercial	ug/kg	0	ug/kg	
2,4-Dichlorophenol	977000	POS PARK	ug/kg	0	ug/kg	
2,4-Dinitrotoluene	928000	POS PARK	ug/kg	0	ug/kg	
Dibromochloromethane	1960	Commercial	ug/kg	0	ug/kg	
Tetrachloroethene	18600	Commercial	ug/kg	0	ug/kg	
Dimethyl phthalate	2630000	POS PARK	ug/kg	0	ug/kg	
Dibenzofuran	10800	POS PARK	ug/kg	5	ug/kg	
sec-Butylbenzene	26597.8811	Commercial	ug/kg	0	ug/kg	
cis 1,2-Dichloroethene	13600	Commercial	ug/kg	0	ug/kg	
trans 1,2-Dichloroethene	20700	Commercial	ug/kg	0	ug/kg	
Perylene	10800000	POS PARK	ug/kg	0	ug/kg	
1,3-Dichlorobenzene	29900	Commercial	ug/kg	0	ug/kg	
Carbon Tetrachloride	2870	Commercial	ug/kg	0	ug/kg	
4-Chloro-3-methylphenol	46100000	POS PARK	ug/kg	0	ug/kg	
2,6-Dinitrotoluene	468000	POS PARK	ug/kg	0	ug/kg	
1,1,1,2-Tetrachloroethane	108000	Commercial	ug/kg	0	ug/kg	
Chloroform	99100	Commercial	ug/kg	0	ug/kg	
Hexachloroethane	20900000	Commercial	ug/kg	0	ug/kg	
Benzene VOC	26597.9	Commercial	ug/kg	0	ug/kg	<1800
1,1,1-Trichloroethane	660000	Commercial	ug/kg	0	ug/kg	
Barium	5770	POS PARK	mg/kg	0	mg/kg	
Chloromethane	956000	Commercial	ug/kg	0	ug/kg	
Chloroethane	904000000	Commercial	ug/kg	0	ug/kg	

Appendix E

E3 Full Human Health Screening Assessment

					Hole Ref	AEC18-LF-WS225
					Sample Top	4.55
					Sample Ref	7
Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	ES
Vinyl Chloride	**59.4**	**Commercial**	**ug/kg**	**0**	ug/kg	
Dichloromethane VOC	**257000000**	**Commercial**	**ug/kg**	**0**	ug/kg	
Carbon Disulphide	**11000000**	**Commercial**	**ug/kg**	**0**	ug/kg	
Bromoform	**714000**	**Commercial**	**ug/kg**	**0**	ug/kg	
Bromodichloromethane	**1960**	**Commercial**	**ug/kg**	**0**	ug/kg	
1,1-Dichloroethane	**263000**	**Commercial**	**ug/kg**	**0**	ug/kg	
1,1-Dichloroethene	**24300**	**Commercial**	**ug/kg**	**0**	ug/kg	
Isophorone	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg	
1,2-Dichloropropane	**3130**	**Commercial**	**ug/kg**	**0**	ug/kg	
1,1,2-Trichloroethane	**89100**	**Commercial**	**ug/kg**	**0**	ug/kg	
Trichloroethene	**1230**	**Commercial**	**ug/kg**	**0**	ug/kg	
1,1,2,2-Tetrachloroethane	**274000000**	**Commercial**	**ug/kg**	**0**	ug/kg	
Diethyl phthalate	**89300000**	**POS PARK**	**ug/kg**	**0**	ug/kg	
n-Dibutylphthalate	**2630000**	**POS PARK**	**ug/kg**	**0**	ug/kg	
Butylbenzyl phthalate SVOC	**254000000**	**POS PARK**	**ug/kg**	**0**	ug/kg	
Carbazole	**10800**	**POS PARK**	**ug/kg**	**2**	ug/kg	
1,2,3-Trichlorobenzene	**102000**	**Commercial**	**ug/kg**	**0**	ug/kg	
Hexachlorobutadiene	**30700**	**Commercial**	**ug/kg**	**0**	ug/kg	
Pentachlorophenol	**113000**	**POS PARK**	**ug/kg**	**0**	ug/kg	
2,4,6-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg	
2-Nitrophenol	**7600000000**	**POS PARK**	**ug/kg**	**0**	ug/kg	
2-Methylnaphthalene (SVOC) DEFAULT	**193000**	**Commercial**	**ug/kg**	**2**	ug/kg	
2-Chloronaphthalene	**370000**	**Commercial**	**ug/kg**	**0**	ug/kg	
o-Xylene	**6603100.7**	**Commercial**	**ug/kg**	**0**	ug/kg	<2000
2-Methylphenol	**46100000**	**POS PARK**	**ug/kg**	**0**	ug/kg	
1,2-Dichlorobenzene	**2020000**	**Commercial**	**ug/kg**	**0**	ug/kg	
2-Chlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg	
1,2,4-Trimethylbenzene	**39400**	**Commercial**	**ug/kg**	**5**	ug/kg	
2,4,5-Trichlorophenol	**1010000**	**POS PARK**	**ug/kg**	**0**	ug/kg	
Isopropylbenzene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg	
Nitrobenzene	**26597881.1**	**Commercial**	**ug/kg**	**0**	ug/kg	
4-Isopropyltoluene	**1300000**	**Commercial**	**ug/kg**	**0**	ug/kg	
m & p Xylene	**5923262.7**	**Commercial**	**ug/kg**	**0**	ug/kg	<2000
Aro >C8-C9	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Aro >C9-C10	**7220**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Tributyltin SUBCON i2	**42400000**	**POS PARK**	**ug/kg**	**0**	ug/kg	
Atrazine SUBCON Alcontrol	**379000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg	
Aldrin SUBCON Alcontrol	**7800000**	**POS PARK**	**ug/kg**	**0**	ug/kg	
alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**46500000**	**POS PARK**	**ug/kg**	**0**	ug/kg	
beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	**13300000**	**POS PARK**	**ug/kg**	**0**	ug/kg	
Endosulphan II	**1960000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg	
Dieldrin SUBCON Alcontrol	**12900000**	**POS PARK**	**ug/kg**	**0**	ug/kg	
Dichlorvos	**26000000**	**POS PARK**	**ug/kg**	**0**	ug/kg	
Endosulphan I	**1950000000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg	
Aro >C35-C44	**7820**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Ali >C35-C44	**455000**	**POS PARK**	**mg/kg**	**0**	mg/kg	
Anthracene SVOC	**149000000**	**POS PARK**	**ug/kg**	**0**	ug/kg	576.0
Pyrene SVOC	**15100000**	**POS PARK**	**ug/kg**	**0**	ug/kg	5000.0
Benzo(ghi)perylene SVOC	**612000**	**POS Maintenance**	**ug/kg**	**0**	ug/kg	3170.0
Indeno(1,2,3-cd)pyrene SVOC	**44000**	**POS Maintenance**	**ug/kg**	**1**	ug/kg	3520.0
Benzo(b)fluoranthene SVOC	**13200**	**POS PARK**	**ug/kg**	**7**	ug/kg	4910.0
Fluoranthene SVOC	**6300000**	**POS PARK**	**ug/kg**	**0**	ug/kg	6200.0

Appendix E

E3 Full Human Health Screening Assessment

					Hole Ref	AEC18-LF-WS225
					Sample Top	4.55
					Sample Ref	7
Contaminant Name	Screening value	Lowest Criteria	Screening units	No. Exceedances	Sample Type	ES
Benzo(k)fluoranthene SVOC	114000	POS Maintenance	ug/kg	0	ug/kg	1670.0
Acenaphthylene SVOC	28900000	POS PARK	ug/kg	0	ug/kg	137.0
Chrysene SVOC	91000	POS Maintenance	ug/kg	1	ug/kg	2850.0
Benzo(a)pyrene SVOC	10800	POS PARK	ug/kg	8	ug/kg	4380.0
Dibenzo(ah)anthracene SVOC	1150	POS PARK	ug/kg	10	ug/kg	598.0
Benzo(a)anthracene SVOC	48800	POS PARK	ug/kg	2	ug/kg	3500.0
Acenaphthene SVOC	28900000	POS PARK	ug/kg	0	ug/kg	65.5
Phenanthrene SVOC	6170000	POS PARK	ug/kg	0	ug/kg	1690.0
Fluorene SVOC	19600000	POS PARK	ug/kg	0	ug/kg	113.0
Naphthalene SVOC	193000	Commercial	ug/kg	1	ug/kg	<45
Xylenols	9180	POS PARK	mg/kg	0	mg/kg	<0.015
Cresols	46100	POS PARK	mg/kg	0	mg/kg	<0.01
Tributyltin	42400	POS PARK	mg/kg	0	mg/kg	
Methyl tert-butyl ether (MTBE)	7480000	Commercial	ug/kg	0	ug/kg	<2000
Aromatics >C6-7	27000000	Commercial	ug/kg	0	ug/kg	<10
Aromatics >C7-8	56293712.8	Commercial	ug/kg	0	ug/kg	<10
Aromatics >C8-10	3460000	Commercial	ug/kg	0	ug/kg	2460.0
Aromatics >C10-12	9240000	POS PARK	ug/kg	0	ug/kg	499.0
Aromatics >C12-16	10200000	POS PARK	ug/kg	0	ug/kg	5630.0
Aromatics >C16-21	7630000	POS PARK	ug/kg	0	ug/kg	48600.0
Aromatics >C21-35	7820000	POS PARK	ug/kg	1	ug/kg	316000.0
Aromatics >C35-44	7820000	POS PARK	ug/kg	0	ug/kg	115000.0
Aliphatics >C5-6	3190000	Commercial	ug/kg	0	ug/kg	33.3
Aliphatics >C6-8	7780000	Commercial	ug/kg	0	ug/kg	148.0
Aliphatics >C8-10	2000000	Commercial	ug/kg	1	ug/kg	3690.0
Aliphatics >C10-12	9690000	Commercial	ug/kg	0	ug/kg	749.0
Aliphatics >C12-16	24700000	POS PARK	ug/kg	0	ug/kg	6070.0
Aliphatics >C16-21	455000000	POS PARK	ug/kg	0	ug/kg	49000.0
Aliphatics >C21-35	455000000	POS PARK	ug/kg	0	ug/kg	408000.0
Aliphatics >C35-44	455000000	POS PARK	ug/kg	0	ug/kg	104000.0
Trivalent Chromium	33000	POS PARK	mg/kg	0	mg/kg	
Molybdenum	2890	POS PARK	mg/kg	0	mg/kg	
4-Nitroaniline	10800	POS PARK	ug/kg	0	ug/kg	
Azobenzene	10800	POS PARK	ug/kg	0	ug/kg	
4-Chloroaniline	10800000	POS PARK	ug/kg	0	ug/kg	
2-Nitroaniline	10800	POS PARK	ug/kg	0	ug/kg	

APPENDIX E

E 3.1 Airport Access Road Human Health Screening Assessment

Criteria:

Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit	Sample ID	CPPF35	PFCP20	PFCP30	PFCP35A	PFCP56	PFCP57	PFCP60	PFCP61	PFCPR01	PFCPR02	PFCPR03	PFCPRC04	PFCPRC04	PFCPRC11
					Depth	0.40	0.70	0.30	5.80	0.60	1.00	0.30	0.50	1.00	0.70	0.30	0.60	3.50	0.30
					Strata	MG	MG	MG	MG	MG	MG	MG	MG	MG	Clay	MG	MG	MG	MG
Metals																			
Arsenic	mg/kg	0	635.00				<1		5	<1		15	17	8			10	8	
Barium	mg/kg	0	22100.00				51		1180	77		67	919	89			94	134	
Beryllium	mg/kg	0	11.70				<1		1	<1		1	4	1			1	1	
Boron, Water Soluble	mg/kg	0	236000.00				<1.0		1.6	<1.0		1.3	12	1.5			1.1	2.6	
Cadmium	mg/kg	0	190.00				<0.5		2.1	<0.5		0.6	1.4	0.6			1.9	1.8	
Chromium III	mg/kg	0	8570.00				5		25	4		27	32	33			29	32	
Chromium, Hexavalent (VI)	mg/kg	0	32.80				<1		<1	<1		<1	<1	<1			<1	<1	
Copper	mg/kg	0	68300.00				7		21	4		16	147	22			20	19	
Lead	mg/kg	0	2300.00				7		43	4		21	215	27			51	27	
Mercury (Inorganic)	mg/kg	0	1120.00				0.52		<0.17	0.57		<0.17	0.7	0.17			<0.17	0.28	
Nickel	mg/kg	0	983.00				4		24	4		19	40	16			21	27	
Selenium	mg/kg	0	12261.00				<1		<1	1		<1	<1	<1			<1	<1	
Vanadium	mg/kg	0	6360.00																
Zinc	mg/kg	0	730000.00				22		127	20		56	332	54			64	67	
Acidity / Alkalinity																			
pH	pH Units	0					8.32		7.64	8.34		11.41	8.64	8.87			8.02	8.42	
Miscellaneous																			
Soil Organic Matter	%	0					0.3		2	12.6		0.1	7.5	1.2			1.9	1.6	
Physical Tests																			
Stone Content	0	0					<0.1		9.6	<0.1		<0.1	10.7	3.3			8.6	7.7	
Asbestos																			
Asbestos Screen	0	0				NAD	NAD	NAD	NAD	NAD	NAD	Amosite	NAD	NAD	NAD	NAD	NAD	NAD	NAD
Asbestos Type	0	0																	
Asbestos Type2	0	0										Loose Fibres							
Asbestos Quantification (Total)	0	0										<0.001							
Total Petroleum Hydrocarbons Criteria Working Group																			
Aliphatic C5-C6	mg/kg	0	5860	558.00			<0.01		<0.01	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	
Aliphatic C6-C8	mg/kg	0	17400	322.00			<0.01		<0.01	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	
Aliphatic C8-C10	mg/kg	0	4850	190.00			<0.01		<0.01	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	
Aliphatic C10-C12	mg/kg	0	22900	118.00			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1			0.7	<0.1	
Aliphatic C12-C16	mg/kg	0	81700	59.10			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1			24	<0.1	
Aliphatic C16-C21	mg/kg	0	10700000	21.20			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1			103	<0.1	
Aliphatic C21-C35	mg/kg	0	10700000	21.20			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1			584	<0.1	
Total Aliphatic	mg/kg	0					<0.1		<0.1	<0.1		<0.1	<0.1	<0.1			712	<0.1	
Aromatic C5-C7	mg/kg	0	47.00				<0.01		<0.01	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	
Aromatic C7-C8	mg/kg	0	106827.801	1920.00			<0.01		<0.01	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	
Aromatic C8-C10	mg/kg	0	8110	1500.00			<0.01		<0.01	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	
Aromatic C10-C12	mg/kg	0	27900	899.00			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1			1	<0.1	
Aromatic C12-C16	mg/kg	0	37300	419.00			<0.1		<0.1	<0.1		2.2	2	1.9			27.3	<0.1	
Aromatic C16-C21	mg/kg	0	27700	134.00			<0.1		<0.1	<0.1		4.1	3.2	5.5			88.3	1.6	
Aromatic C21-C35	mg/kg	0	28400	12.10			<0.1		<0.1	<0.1		2.9	5	8.4			236	12.5	
Total Aromatic C5-C35	mg/kg	0					<0.1		<0.1	<0.1		9.2	10.2	15.8			353	14.1	
TPH Ali/Aro Total	mg/kg	0					<0.1		<0.1	<0.1		9.2	10.2	15.8			1060	14.1	
BTEX																			
Benzene	mg/kg	0	47.4622464				<0.01		<0.01	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	
Toluene	mg/kg	0	106827.801	1920.00			<0.01		<0.01	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	
Ethylbenzene	mg/kg	0	12833.73	1220.00			<0.01		<0.01	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	
o-Xylene	mg/kg	0	15034.0828	1120.00			<0.01		<0.01	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	
m&p-Xylene	mg/kg	0	13552.379	1350.00			<0.01		<0.01	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	
Methyl Tert-Butyl Ether (MTBE)	mg/kg	0	12100				<0.01		<0.01	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	
PAHs																			
Naphthalene	mg/kg	0	462	183.00			<0.03		<0.03	<0.03		<0.03	<0.03	<0.03			0.18	<0.03	
Acenaphthylene	mg/kg	0	96800	212.00			<0.01		<0.01	<0.01		<0.01	0.02	0.02			0.02	0.02	
Acenaphthene	mg/kg	0	97100	141.00			<0.01		<0.01	<0.01		0.08	<0.01	0.16			0.73	0.06	
Fluorene	mg/kg	0	68400	76.50			<0.01		<0.01	<0.01		0.08	0.01	0.14			0.52	0.06	
Phenanthrene	mg/kg	0	22300	89.60			<0.03		<0.03	<0.03		0.67	0.2	0.94			1.63	0.54	
Anthracene	mg/kg	0	536000	2.91			<0.02		<0.02	<0.02		0.21	0.07	0.23			0.22	0.19	
Fluoranthene	mg/kg	0	22700	47.30			<0.08		<0.08	<0.08		1.28	0.54	2.22			1.66	1.23	
Pyrene	mg/kg	0	54400	5.49			<0.07		<0.07	<0.07		1.31	0.46	2.26			1.24	1.07	
Benzo(a)anthracene	mg/kg	0	174	4.28			<0.04		<0.04	<0.04		0.61	0.28	1.04			0.43	0.59	

Criteria:

Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit	Sample ID	CPPF35	PFCP20	PFCP30	PFCP35A	PFCP56	PFCP57	PFCP60	PFCP61	PFCPR01	PFCPR02	PFCPR03	PFCPRC04	PFCPRC04	PFCPRC11
					Depth	0.40	0.70	0.30	5.80	0.60	1.00	0.30	0.50	1.00	0.70	0.30	0.60	3.50	0.30
					Strata	MG	MG	MG	MG	MG	MG	MG	MG	MG	Clay	MG	MG	MG	MG
Chrysene	mg/kg	0	352	1.10			<0.06		<0.06	<0.06		0.64	0.34	1.15			0.58	0.64	
Benzo(b)fluoranthene	mg/kg	0	44.7	3.04			<0.05		<0.05	<0.05		0.66	0.43	1.29			0.56	0.55	
Benzo(k)fluoranthene	mg/kg	0	1180	1.72			<0.07		<0.07	<0.07		0.25	0.16	0.44			0.21	0.2	
Benzo(a)pyrene	mg/kg	0	35.5	2.28			<0.04		<0.04	<0.04		0.6	0.35	1.16			0.52	0.54	
Indeno(1,2,3-c,d)pyrene	mg/kg	0	506	0.15			<0.03		<0.03	<0.03		0.47	0.38	0.97			0.4	0.31	
Dibenzo(a,h)anthracene	mg/kg	0	3.55	0.0098			<0.04		<0.04	<0.04		0.08	0.07	0.17			0.07	0.06	
Benzo(g,h,i)perylene	mg/kg	0	3950	0.04			<0.05		<0.05	<0.05		0.43	0.34	0.88			0.32	0.23	
PAH - USEPA 16, Total	mg/kg	0					<0.08		<0.08	<0.08		7.39	3.66	13.1			9.28	6.26	
Chloroalkanes & Alkanes (VOC/SVOC)																			
1,2-Dichloroethane	mg/kg	0	0.967																
1,1,1-Trichloroethane	mg/kg	0	1350																
1,1,2,2-Tetrachloroethane	mg/kg	0	546																
1,1,1,2-Tetrachloroethane (PCA)	mg/kg	0	247																
Tetrachloroethene (Tetrachloroethyler	mg/kg	0	41.6																
Tetrachloromethane (Carbon tetrachl	mg/kg	0	6.28																
Trichloroethene (trichloroethylene)	mg/kg	0	2.57																
Trichloromethane (Chloroform)	mg/kg	0	174																
Vinyl Chloride (chloroethene , chloroe	mg/kg	0	0.0767																
Chlorobenzenes (VOC/SVOC)																			
Chlorobenzene	mg/kg	0	125																
1,2-Dichlorobenzene	mg/kg	0	4830	1370.00															
1,3-Dichlorobenzene	mg/kg	0	70.6																
1,4-Dichlorobenzene	mg/kg	0	9700	540.00															
1,2,3-Trichlorobenzene	mg/kg	0	250																
1,2,4-Trichlorobenzene	mg/kg	0	530																
Chlorophenols (VOC/SVOC)																			
Phenol	mg/kg	0	30000																
2-Chlorophenol	mg/kg	0	3980																
2,4-Dichlorophenol	mg/kg	0	3890																
2,4,6-Trichlorophenol	mg/kg	0	4160	2020.00															
Pentachlorophenol	mg/kg	0	403	39.10															
BTEX (VOC/SVOC)																			
Benzene	mg/kg	0	47.46																
Toluene	mg/kg	0	106827.80	1920.00															
Ethylbenzene	mg/kg	0	12833.73	1220.00															
o-Xylene	mg/kg	0	15034.08	1120.00															
p & m-Xylene	mg/kg	0	13552.38	1350.00															
VOCs																			
(4) p-Isopropyltoluene	mg/kg	0																	
1,1,2-Trichloroethane	mg/kg	0	180																
1,1-Dichloroethane	mg/kg	0	425																
1,1-Dichloroethene (1,1-Dichloroethylene)	mg/kg	0	43																
1,1-Dichloropropene	mg/kg	0																	
1,2,4-Trimethylbenzene	mg/kg	0	93.5																
1,2-Dibromo-3-chloropropane	mg/kg	0																	
1,2-Dibromoethane	mg/kg	0																	
1,2-Dichloropropane	mg/kg	0	5.54																
1,3,5-Trimethylbenzene	mg/kg	0																	
1,3-Dichloropropane	mg/kg	0																	
2,2-Dichloropropane	mg/kg	0																	
2,4-Dimethylphenol	mg/kg	0	23400	3140.00															
2,4-Dinitrotoluene	mg/kg	0	3750	299.00															
2,6-Dinitrotoluene	mg/kg	0	1870	622.00															
2-Chloronaphthalene	mg/kg	0	902	280.00															
2-Chlorotoluene	mg/kg	0																	
2-Methylphenol (o-Cresol , ortho-cresol)	mg/kg	0	175000	32500.00															
4-Chlorotoluene	mg/kg	0																	
Bromobenzene	mg/kg	0	211																
Bromochloromethane	mg/kg	0																	
Bromoform (Tribromomethane)	mg/kg	0	1430																
Bromomethane	mg/kg	0																	
Chloroethane	mg/kg	0	1230																
Chloromethane	mg/kg	0	1.12																

Criteria:

Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit	Sample ID	CPPF35	PFCP20	PFCP30	PFCP35A	PFCP56	PFCP57	PFCP60	PFCP61	PFCPR01	PFCPR02	PFCPR03	PFCPRC04	PFCPRC04	PFCPRC11
					Depth	0.40	0.70	0.30	5.80	0.60	1.00	0.30	0.50	1.00	0.70	0.30	0.60	3.50	0.30
					Strata	MG	MG	MG	MG	MG	MG	MG	MG	MG	Clay	MG	MG	MG	MG
Cis-1,2-dichloroethene (Cis-1,2-dichloroethylene)	mg/kg	0	22.9																
Cis-1,3-dichloropropene	mg/kg	0																	
Dibromochloromethane	mg/kg	0																	
Dibromomethane	mg/kg	0																	
Dichlorodifluoromethane	mg/kg	0																	
Dichloromethane	mg/kg	0	339																
Hexachlorobutadiene	mg/kg	0																	
Hexachloroethane	mg/kg	0	49.8	20.10															
Isopropylbenzene	mg/kg	0	3130	950.00															
n-Butylbenzene	mg/kg	0																	
n-Propylbenzene (Propylbenzene)	mg/kg	0	9150	981.00															
sec-Butylbenzene	mg/kg	0																	
Styrene	mg/kg	0	6180	1440.00															
tert-Butylbenzene	mg/kg	0																	
Trans-1,2-dichloroethene (Trans-1,2-dichloroethylene)	mg/kg	0	37.4																
Trans-1,3-dichloropropene	mg/kg	0																	
Trichlorofluoromethane	mg/kg	0																	
SVOCs																			
1,2,3-Trichloropropane	mg/kg	0																	
2,4,5-Trichlorophenol	mg/kg	0																	
2-Methylnaphthalene	mg/kg	0																	
2-Nitrophenol	mg/kg	0																	
3 & 4 Methylphenol	mg/kg	0																	
4-Chloro-3-methylphenol (p-Chlorocre	mg/kg	0																	
4-Nitrophenol	mg/kg	0																	
Bis(2-chloroethoxy)methane	mg/kg	0																	
Bis(2-chloroethyl)ether	mg/kg	0																	
Bis(2-chloroisopropyl)ether	mg/kg	0																	
bis(2-ethylhexyl)phthalate (Bis (2-ethylhexyl) phthalate)	mg/kg	0	85800	21.60															
Butyl benzyl phthalate (Benzyl butyl phthalate)	mg/kg	0	944000	64.70															
Carbazole	mg/kg	0																	
Carbon Disulphide	mg/kg	0	21.8																
Dibenzofuran	mg/kg	0																	
Dibutyl phthalate (Di-n-butyl phthalate)	mg/kg	0	15400	11.40															
Di-n-octyl phthalate	mg/kg	0	89100	81.50															
Hexachlorobutadiene	mg/kg	0	66.2																
Hexachlorocyclopentadiene	mg/kg	0																	
Isophorone	mg/kg	0																	
Nitrobenzene	mg/kg	0																	
Other/Additional																			
n-Nitroso-n-dipropylamine	mg/kg	0																	
Perylene	mg/kg	0																	

APPENDIX E

E 3.1 Airport Access Road Human Health Screening Assessment

Criteria:

Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit	Sample ID	PFCPRC12	PFCPRC12	PFCPRC15	PFCPRC16	PFCPRC17	PFCPRC17	PFCPRC21	PFCPRC22	PFCPRC22	PFCPRC23	PFCPRC23	PFCPRC23
					Depth	0.30	0.80	1.00	0.50	0.70	4.00	1.00	1.00	7.20	2.00	6.00	13.00
					Strata	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Metals																	
Arsenic	mg/kg	0	635.00				3	8	4	<1	11	2	4	<1	2	<1	3
Barium	mg/kg	0	22100.00				363	1310	37	156	2160	925	563	125	585	98	156
Beryllium	mg/kg	0	11.70				<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron, Water Soluble	mg/kg	0	236000.00				<1.0	7.1	<1.0	<1.0	2.3	<1.0	<1.0	<1.0	<1.0	<1.0	1.7
Cadmium	mg/kg	0	190.00				1.4	1.5	0.7	<0.5	8.3	<0.5	1	<0.5	0.8	<0.5	0.6
Chromium III	mg/kg	0	8570.00				84	27	18	6	210	10	20	8	13	6	15
Chromium, Hexavalent (VI)	mg/kg	0	32.80				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Copper	mg/kg	0	68300.00				112	38	4	8	312	17	20	20	21	7	46
Lead	mg/kg	0	2300.00				33	105	25	6	405	52	31	13	34	12	20
Mercury (Inorganic)	mg/kg	0	1120.00				0.82	1.32	<0.17	0.39	5.07	0.64	0.92	0.79	0.78	0.89	0.55
Nickel	mg/kg	0	983.00				66	24	7	6	67	9	49	9	11	7	19
Selenium	mg/kg	0	12261.00				<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<1
Vanadium	mg/kg	0	6360.00														
Zinc	mg/kg	0	730000.00				90	135	25	33	1680	64	81	30	142	29	35
Acidity / Alkalinity																	
pH	pH Units	0					8.2	9.66	8.34	8.44	7.5	8.17	8.4	8.32	8.29	8.37	7.96
Miscellaneous																	
Soil Organic Matter	%	0					8.4	3.9	0.2	0.4	5.9	0.8	1.2	0.3	0.5	0.3	1
Physical Tests																	
Stone Content	0	0					4	8.4	1.1	<0.1	<0.1	<0.1	7.3	2.6	<0.1	<0.1	<0.1
Asbestos																	
Asbestos Screen	0	0				NAD	NAD						NAD	NAD			
Asbestos Type	0	0															
Asbestos Type2	0	0															
Asbestos Quantification (Total)	0	0															
Total Petroleum Hydrocarbons Criteria Working Group																	
Aliphatic C5-C6	mg/kg	0	5860	558.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C6-C8	mg/kg	0	17400	322.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C8-C10	mg/kg	0	4850	190.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C10-C12	mg/kg	0	22900	118.00			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic C12-C16	mg/kg	0	81700	59.10			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	6.9
Aliphatic C16-C21	mg/kg	0	10700000	21.20			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	<0.1	<0.1	9.9
Aliphatic C21-C35	mg/kg	0	10700000	21.20			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	10.5	<0.1	<0.1	27.3
Total Aliphatic	mg/kg	0					<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	11.5	<0.1	<0.1	44.2
Aromatic C5-C7	mg/kg	0	47.00				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C7-C8	mg/kg	0	106827.801	1920.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C8-C10	mg/kg	0	8110	1500.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C10-C12	mg/kg	0	27900	899.00			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic C12-C16	mg/kg	0	37300	419.00			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic C16-C21	mg/kg	0	27700	134.00			<0.1	<0.1	<0.1	<0.1	0.4	<0.1	1.8	<0.1	<0.1	<0.1	<0.1
Aromatic C21-C35	mg/kg	0	28400	12.10			<0.1	<0.1	<0.1	<0.1	0.4	<0.1	4.6	<0.1	<0.1	<0.1	<0.1
Total Aromatic C5-C35	mg/kg	0					<0.1	<0.1	<0.1	<0.1	0.8	<0.1	6.4	<0.1	<0.1	<0.1	<0.1
TPH Ali/Aro Total	mg/kg	0					<0.1	<0.1	<0.1	<0.1	0.8	<0.1	6.4	11.5	<0.1	<0.1	44.2
BTEX																	
Benzene	mg/kg	0	47.4622464				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Toluene	mg/kg	0	106827.801	1920.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ethylbenzene	mg/kg	0	12833.73	1220.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o-Xylene	mg/kg	0	15034.0828	1120.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
m&p-Xylene	mg/kg	0	13552.379	1350.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Methyl Tert-Butyl Ether (MTBE)	mg/kg	0	12100				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PAHs																	
Naphthalene	mg/kg	0	462	183.00			<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Acenaphthylene	mg/kg	0	96800	212.00			<0.01	<0.01	<0.01	<0.01	0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthene	mg/kg	0	97100	141.00			<0.01	<0.01	<0.01	<0.01	0.04	<0.01	0.06	<0.01	<0.01	0.02	0.01
Fluorene	mg/kg	0	68400	76.50			<0.01	<0.01	<0.01	<0.01	0.04	<0.01	0.03	0.01	<0.01	<0.01	0.02
Phenanthrene	mg/kg	0	22300	89.60			0.07	0.12	<0.03	<0.03	0.4	0.19	0.43	0.22	0.06	0.18	0.13
Anthracene	mg/kg	0	536000	2.91			<0.02	0.02	<0.02	<0.02	0.06	0.05	0.1	0.1	0.03	0.05	0.05
Fluoranthene	mg/kg	0	22700	47.30			0.09	0.25	<0.08	<0.08	0.69	0.42	0.87	0.37	0.15	0.23	0.16
Pyrene	mg/kg	0	54400	5.49			0.09	0.22	<0.07	<0.07	0.59	0.39	0.73	0.31	0.15	0.18	0.16
Benzo(a)anthracene	mg/kg	0	174	4.28			<0.04	0.15	<0.04	<0.04	0.33	0.26	0.43	0.19	0.11	0.09	0.06

Criteria:

Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit			Sample ID	PFCPRC12	PFCPRC12	PFCPRC15	PFCPRC16	PFCPRC17	PFCPRC17	PFCPRC21	PFCPRC22	PFCPRC22	PFCPRC23	PFCPRC23	PFCPRC23
							Depth	0.30	0.80	1.00	0.50	0.70	4.00	1.00	1.00	7.20	2.00	6.00	13.00
							Strata	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Chrysene	mg/kg	0	352	1.10				<0.06	0.18	<0.06	<0.06	0.4	0.32	0.53	0.21	0.11	0.1	<0.06
Benzo(b)fluoranthene	mg/kg	0	44.7	3.04				<0.05	0.21	<0.05	<0.05	0.42	0.33	0.54	0.16	0.14	0.09	0.07
Benzo(k)fluoranthene	mg/kg	0	1180	1.72				<0.07	0.08	<0.07	<0.07	0.14	<0.07	0.18	<0.07	<0.07	<0.07	<0.07
Benzo(a)pyrene	mg/kg	0	35.5	2.28				<0.04	0.17	<0.04	<0.04	0.36	0.28	0.51	0.16	0.14	0.06	<0.04
Indeno(1,2,3-c,d)pyrene	mg/kg	0	506	0.15				<0.03	0.19	0.05	<0.03	0.49	0.33	0.37	0.11	0.11	0.05	0.04
Dibenzo(a,h)anthracene	mg/kg	0	3.55	0.0098				<0.04	<0.04	<0.04	<0.04	0.08	<0.04	0.08	<0.04	<0.04	<0.04	<0.04
Benzo(g,h,i)perylene	mg/kg	0	3950	0.04				<0.05	0.17	<0.05	<0.05	0.51	0.32	0.29	0.09	0.09	<0.05	<0.05
PAH - USEPA 16, Total	mg/kg	0						0.25	1.75	<0.08	<0.08	4.56	2.88	5.19	1.93	1.11	1.06	0.72
Chloroalkanes & Alkanes (VOC/SVOC)																		
1,2-Dichloroethane	mg/kg	0	0.967															
1,1,1-Trichloroethane	mg/kg	0	1350															
1,1,2,2-Tetrachloroethane	mg/kg	0	546															
1,1,1,2-Tetrachloroethane (PCA)	mg/kg	0	247															
Tetrachloroethene (Tetrachloroethyler	mg/kg	0	41.6															
Tetrachloromethane (Carbon tetrachl	mg/kg	0	6.28															
Trichloroethene (trichloroethylene)	mg/kg	0	2.57															
Trichloromethane (Chloroform)	mg/kg	0	174															
Vinyl Chloride (chloroethene , chloroe	mg/kg	0	0.0767															
Chlorobenzenes (VOC/SVOC)																		
Chlorobenzene	mg/kg	0	125															
1,2-Dichlorobenzene	mg/kg	0	4830	1370.00														
1,3-Dichlorobenzene	mg/kg	0	70.6															
1,4-Dichlorobenzene	mg/kg	0	9700	540.00														
1,2,3-Trichlorobenzene	mg/kg	0	250															
1,2,4-Trichlorobenzene	mg/kg	0	530															
Chlorophenols (VOC/SVOC)																		
Phenol	mg/kg	0	30000															
2-Chlorophenol	mg/kg	0	3980															
2,4-Dichlorophenol	mg/kg	0	3890															
2,4,6-Trichlorophenol	mg/kg	0	4160	2020.00														
Pentachlorophenol	mg/kg	0	403	39.10														
BTEX (VOC/SVOC)																		
Benzene	mg/kg	0	47.46															
Toluene	mg/kg	0	106827.80	1920.00														
Ethylbenzene	mg/kg	0	12833.73	1220.00														
o-Xylene	mg/kg	0	15034.08	1120.00														
p & m-Xylene	mg/kg	0	13552.38	1350.00														
VOCs																		
(4) p-Isopropyltoluene	mg/kg	0																
1,1,2-Trichloroethane	mg/kg	0	180															
1,1-Dichloroethane	mg/kg	0	425															
1,1-Dichloroethene (1,1-Dichloroethylene)	mg/kg	0	43															
1,1-Dichloropropene	mg/kg	0																
1,2,4-Trimethylbenzene	mg/kg	0	93.5															
1,2-Dibromo-3-chloropropane	mg/kg	0																
1,2-Dibromoethane	mg/kg	0																
1,2-Dichloropropane	mg/kg	0	5.54															
1,3,5-Trimethylbenzene	mg/kg	0																
1,3-Dichloropropane	mg/kg	0																
2,2-Dichloropropane	mg/kg	0																
2,4-Dimethylphenol	mg/kg	0	23400	3140.00														
2,4-Dinitrotoluene	mg/kg	0	3750	299.00														
2,6-Dinitrotoluene	mg/kg	0	1870	622.00														
2-Chloronaphthalene	mg/kg	0	902	280.00														
2-Chlorotoluene	mg/kg	0																
2-Methylphenol (o-Cresol , ortho-cresol)	mg/kg	0	175000	32500.00														
4-Chlorotoluene	mg/kg	0																
Bromobenzene	mg/kg	0	211															
Bromochloromethane	mg/kg	0																
Bromoform (Tribromomethane)	mg/kg	0	1430															
Bromomethane	mg/kg	0																
Chloroethane	mg/kg	0	1230															
Chloromethane	mg/kg	0	1.12															

Criteria:
Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit	Sample ID	PFCPRC12	PFCPRC12	PFCPRC15	PFCPRC16	PFCPRC17	PFCPRC17	PFCPRC21	PFCPRC22	PFCPRC22	PFCPRC23	PFCPRC23	PFCPRC23
					Depth	0.30	0.80	1.00	0.50	0.70	4.00	1.00	1.00	7.20	2.00	6.00	13.00
					Strata	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Cis-1,2-dichloroethene (Cis-1,2-dichloroethylene)	mg/kg	0	22.9														
Cis-1,3-dichloropropene	mg/kg	0															
Dibromochloromethane	mg/kg	0															
Dibromomethane	mg/kg	0															
Dichlorodifluoromethane	mg/kg	0															
Dichloromethane	mg/kg	0	339														
Hexachlorobutadiene	mg/kg	0															
Hexachloroethane	mg/kg	0	49.8	20.10													
Isopropylbenzene	mg/kg	0	3130	950.00													
n-Butylbenzene	mg/kg	0															
n-Propylbenzene (Propylbenzene)	mg/kg	0	9150	981.00													
sec-Butylbenzene	mg/kg	0															
Styrene	mg/kg	0	6180	1440.00													
tert-Butylbenzene	mg/kg	0															
Trans-1,2-dichloroethene (Trans-1,2-dichloroethylene)	mg/kg	0	37.4														
Trans-1,3-dichloropropene	mg/kg	0															
Trichlorofluoromethane	mg/kg	0															
SVOCs																	
1,2,3-Trichloropropane	mg/kg	0															
2,4,5-Trichlorophenol	mg/kg	0															
2-Methylnaphthalene	mg/kg	0															
2-Nitrophenol	mg/kg	0															
3 & 4 Methylphenol	mg/kg	0															
4-Chloro-3-methylphenol (p-Chlorocre	mg/kg	0															
4-Nitrophenol	mg/kg	0															
Bis(2-chloroethoxy)methane	mg/kg	0															
Bis(2-chloroethyl)ether	mg/kg	0															
Bis(2-chloroisopropyl)ether	mg/kg	0															
bis(2-ethylhexyl)phthalate (Bis (2-ethylhexyl) phthalate)	mg/kg	0	85800	21.60													
Butyl benzyl phthalate (Benzyl butyl phthalate)	mg/kg	0	944000	64.70													
Carbazole	mg/kg	0															
Carbon Disulphide	mg/kg	0	21.8														
Dibenzofuran	mg/kg	0															
Dibutyl phthalate (Di-n-butyl phthalate)	mg/kg	0	15400	11.40													
Di-n-octyl phthalate	mg/kg	0	89100	81.50													
Hexachlorobutadiene	mg/kg	0	66.2														
Hexachlorocyclopentadiene	mg/kg	0															
Isophorone	mg/kg	0															
Nitrobenzene	mg/kg	0															
Other/Additional																	
n-Nitroso-n-dipropylamine	mg/kg	0															
Perylene	mg/kg	0															

Criteria:
Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit	Sample ID	PFCPRC23	PFCPRC24	PFCPRC24	PFCPRC24	PFCPRC24	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC26	PFCPRC26
					Depth	13.40	1.00	5.00	10.50	15.00	1.00	4.00	6.00	12.00	0.60	3.00
					Strata	Chalk	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Metals																
Arsenic	mg/kg	0	635.00			7	3	<1	1	12	5	3	4	3	7	<1
Barium	mg/kg	0	22100.00			506	482	37	253	2140	95	299	330	284	80	47
Beryllium	mg/kg	0	11.70			1	1	<1	<1	2	1	<1	1	<1	1	<1
Boron, Water Soluble	mg/kg	0	236000.00			5	<1.0	<1.0	<1.0	4.8	<1.0	1.2	2.2	2.3	2.4	<1.0
Cadmium	mg/kg	0	190.00			<0.5	<0.5	<0.5	<0.5	2.9	2.2	0.7	1	0.9	2.2	<0.5
Chromium III	mg/kg	0	8570.00			29	13	2	12	55	41	21	24	11	36	2
Chromium, Hexavalent (VI)	mg/kg	0	32.80			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Copper	mg/kg	0	68300.00			27	18	3	24	121	13	32	39	32	12	3
Lead	mg/kg	0	2300.00			40	31	2	19	241	23	38	44	33	20	3
Mercury (Inorganic)	mg/kg	0	1120.00			0.28	0.71	0.75	0.86	1.89	<0.17	0.61	0.48	0.41	<0.17	0.56
Nickel	mg/kg	0	983.00			28	11	2	12	50	18	23	31	16	19	2
Selenium	mg/kg	0	12261.00			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1
Vanadium	mg/kg	0	6360.00													
Zinc	mg/kg	0	730000.00			85	69	18	51	429	41	57	58	103	39	14
Acidity / Alkalinity																
pH	pH Units	0				7.95	8.31	8.57	8.35	7.89	7.83	8.2	8.16	8.33	7.67	8.69
Miscellaneous																
Soil Organic Matter	%	0				2.1	<0.1	0.4	9.1	5.6	1.5	0.8	1.4	1	1.7	<0.34
Physical Tests																
Stone Content	0	0				2.6	8.4	<0.1	<0.1	7.4	9.9	<0.1	4.7	5.1	16.7	<0.1
Asbestos																
Asbestos Screen	0	0														
Asbestos Type	0	0														
Asbestos Type2	0	0														
Asbestos Quantification (Total)	0	0														
Total Petroleum Hydrocarbons Criteria Working Group																
Aliphatic C5-C6	mg/kg	0	5860	558.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C6-C8	mg/kg	0	17400	322.00		<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C8-C10	mg/kg	0	4850	190.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.02	<0.01	0.05	<0.01
Aliphatic C10-C12	mg/kg	0	22900	118.00		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	1.5	<0.1
Aliphatic C12-C16	mg/kg	0	81700	59.10		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	3.3	<0.1	13.9	<0.1
Aliphatic C16-C21	mg/kg	0	10700000	21.20		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	15.2	<0.1	27.2	<0.1
Aliphatic C21-C35	mg/kg	0	10700000	21.20		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	4.6	76.8	<0.1	95.2	<0.1
Total Aliphatic	mg/kg	0				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	4.6	96	<0.1	138	<0.1
Aromatic C5-C7	mg/kg	0	47.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C7-C8	mg/kg	0	106827.801	1920.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C8-C10	mg/kg	0	8110	1500.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	0.17	<0.01
Aromatic C10-C12	mg/kg	0	27900	899.00		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	5.3	<0.1
Aromatic C12-C16	mg/kg	0	37300	419.00		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.5	<0.1	13.4	<0.1
Aromatic C16-C21	mg/kg	0	27700	134.00		<0.1	<0.1	<0.1	1.1	4.4	<0.1	<0.1	9.6	<0.1	11.1	<0.1
Aromatic C21-C35	mg/kg	0	28400	12.10		0.3	0.4	<0.1	8.3	31.9	<0.1	<0.1	35.2	<0.1	12	<0.1
Total Aromatic C5-C35	mg/kg	0				0.3	0.4	<0.1	9.3	36.4	<0.1	<0.1	46.4	<0.1	42	<0.1
TPH Ali/Aro Total	mg/kg	0				0.3	0.4	<0.1	9.3	36.4	<0.1	4.6	142	<0.1	180	<0.1
BTEX																
Benzene	mg/kg	0	47.4622464			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Toluene	mg/kg	0	106827.801	1920.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ethylbenzene	mg/kg	0	12833.73	1220.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o-Xylene	mg/kg	0	15034.0828	1120.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
m&p-Xylene	mg/kg	0	13552.379	1350.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Methyl Tert-Butyl Ether (MTBE)	mg/kg	0	12100			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PAHs																
Naphthalene	mg/kg	0	462	183.00		<0.03	<0.03	<0.03	<0.03	0.06	<0.03	<0.03	<0.03	<0.03	0.06	<0.03
Acenaphthylene	mg/kg	0	96800	212.00		0.02	0.01	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01
Acenaphthene	mg/kg	0	97100	141.00		<0.01	<0.01	<0.01	0.05	0.06	<0.01	0.01	0.03	<0.01	0.1	<0.01
Fluorene	mg/kg	0	68400	76.50		<0.01	<0.01	<0.01	0.02	0.07	<0.01	0.01	0.05	<0.01	0.21	<0.01
Phenanthrene	mg/kg	0	22300	89.60		0.19	0.05	<0.03	0.19	0.93	<0.03	0.07	0.12	<0.03	0.43	<0.03
Anthracene	mg/kg	0	536000	2.91		0.08	0.03	<0.02	0.05	0.19	<0.02	<0.02	0.03	<0.02	<0.05	<0.02
Fluoranthene	mg/kg	0	22700	47.30		0.61	0.38	<0.08	0.33	2.62	<0.08	0.13	0.14	<0.08	0.35	<0.08
Pyrene	mg/kg	0	54400	5.49		0.57	0.9	<0.07	0.35	2.3	<0.07	0.13	0.14	<0.07	0.41	<0.07
Benzo(a)anthracene	mg/kg	0	174	4.28		0.33	0.19	<0.04	0.16	1.14	<0.04	0.06	0.06	<0.04	0.23	<0.04

Criteria:
Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit		Sample ID	PFCPRC23	PFCPRC24	PFCPRC24	PFCPRC24	PFCPRC24	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC26	PFCPRC26
						Depth	13.40	1.00	5.00	10.50	15.00	1.00	4.00	6.00	12.00	0.60	3.00
						Strata	Chalk	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Chrysene	mg/kg	0	352	1.10			0.41	0.37	<0.06	0.21	1.23	<0.06	0.1	0.09	<0.06	0.26	<0.06
Benzo(b)fluoranthene	mg/kg	0	44.7	3.04			0.48	0.42	<0.05	0.17	1.75	<0.05	0.06	<0.05	<0.05	0.18	<0.05
Benzo(k)fluoranthene	mg/kg	0	1180	1.72			0.3	0.22	<0.07	<0.07	0.59	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
Benzo(a)pyrene	mg/kg	0	35.5	2.28			0.39	0.31	<0.04	0.15	1.44	<0.04	<0.04	<0.04	<0.04	0.15	<0.04
Indeno(1,2,3-c,d)pyrene	mg/kg	0	506	0.15			0.34	0.23	<0.03	0.11	1.54	<0.03	0.05	<0.03	<0.03	0.12	<0.03
Dibenzo(a,h)anthracene	mg/kg	0	3.55	0.0098			0.04	<0.04	<0.04	<0.04	0.21	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Benzo(g,h,i)perylene	mg/kg	0	3950	0.04			0.25	0.16	<0.05	0.1	1.47	<0.05	<0.05	<0.05	<0.05	0.1	<0.05
PAH - USEPA 16, Total	mg/kg	0					4.02	3.26	<0.08	1.9	15.6	<0.08	0.62	0.66	<0.08	2.68	<0.08
Chloroalkanes & Alkanes (VOC/SVOC)																	
1,2-Dichloroethane	mg/kg	0	0.967											<2		<2	
1,1,1-Trichloroethane	mg/kg	0	1350											<1		<1	
1,1,2,2-Tetrachloroethane	mg/kg	0	546											<1		<1	
1,1,1,2-Tetrachloroethane (PCA)	mg/kg	0	247											<1		<1	
Tetrachloroethene (Tetrachloroethyler	mg/kg	0	41.6											<1		<1	
Tetrachloromethane (Carbon tetrachl	mg/kg	0	6.28											<1		<1	
Trichloroethene (trichloroethylene)	mg/kg	0	2.57											<1		<1	
Trichloromethane (Chloroform)	mg/kg	0	174											<1		<1	
Vinyl Chloride (chloroethene , chloroe	mg/kg	0	0.0767											<1		<1	
Chlorobenzenes (VOC/SVOC)																	
Chlorobenzene	mg/kg	0	125											<1		<1	
1,2-Dichlorobenzene	mg/kg	0	4830	1370.00										<1		<1	
1,3-Dichlorobenzene	mg/kg	0	70.6											<1		<1	
1,4-Dichlorobenzene	mg/kg	0	9700	540.00										<1		<1	
1,2,3-Trichlorobenzene	mg/kg	0	250											<3		<3	
1,2,4-Trichlorobenzene	mg/kg	0	530											<3		<3	
Chlorophenols (VOC/SVOC)																	
Phenol	mg/kg	0	30000														
2-Chlorophenol	mg/kg	0	3980														
2,4-Dichlorophenol	mg/kg	0	3890														
2,4,6-Trichlorophenol	mg/kg	0	4160	2020.00													
Pentachlorophenol	mg/kg	0	403	39.10													
BTEX (VOC/SVOC)																	
Benzene	mg/kg	0	47.46											<1		<1	
Toluene	mg/kg	0	106827.80	1920.00										<1		<1	
Ethylbenzene	mg/kg	0	12833.73	1220.00										<1		<1	
o-Xylene	mg/kg	0	15034.08	1120.00										<1		<1	
p & m-Xylene	mg/kg	0	13552.38	1350.00										<1		<1	
VOCs																	
(4) p-Isopropyltoluene	mg/kg	0												<1		<1	
1,1,2-Trichloroethane	mg/kg	0	180											<1		<1	
1,1-Dichloroethane	mg/kg	0	425											<1		<1	
1,1-Dichloroethene (1,1-Dichloroethylene)	mg/kg	0	43											<1		<1	
1,1-Dichloropropene	mg/kg	0												<1		<1	
1,2,4-Trimethylbenzene	mg/kg	0	93.5											<1		<1	
1,2-Dibromo-3-chloropropane	mg/kg	0												<2		<2	
1,2-Dibromoethane	mg/kg	0												<1		<1	
1,2-Dichloropropane	mg/kg	0	5.54											<1		<1	
1,3,5-Trimethylbenzene	mg/kg	0												<1		0.005	
1,3-Dichloropropane	mg/kg	0												<1		<1	
2,2-Dichloropropane	mg/kg	0												<1		<1	
2,4-Dimethylphenol	mg/kg	0	23400	3140.00													
2,4-Dinitrotoluene	mg/kg	0	3750	299.00													
2,6-Dinitrotoluene	mg/kg	0	1870	622.00													
2-Chloronaphthalene	mg/kg	0	902	280.00													
2-Chlorotoluene	mg/kg	0												<1		<1	
2-Methylphenol (o-Cresol , ortho-cresol)	mg/kg	0	175000	32500.00													
4-Chlorotoluene	mg/kg	0												<1		<1	
Bromobenzene	mg/kg	0	211											<1		<1	
Bromochloromethane	mg/kg	0												<5		<5	
Bromoform (Tribromomethane)	mg/kg	0	1430											<1		<1	
Bromomethane	mg/kg	0												<1		<1	
Chloroethane	mg/kg	0	1230											<1		<1	
Chloromethane	mg/kg	0	1.12											<10		<10	

Criteria:

Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit	Sample ID	PFCPRC23	PFCPRC24	PFCPRC24	PFCPRC24	PFCPRC24	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC26	PFCPRC26
					Depth	13.40	1.00	5.00	10.50	15.00	1.00	4.00	6.00	12.00	0.60	3.00
					Strata	Chalk	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Cis-1,2-dichloroethene (Cis-1,2-dichloroethylene)	mg/kg	0	22.9										<1		<1	
Cis-1,3-dichloropropene	mg/kg	0											<1		<1	
Dibromochloromethane	mg/kg	0											<10		<10	
Dibromomethane	mg/kg	0											<1		<1	
Dichlorodifluoromethane	mg/kg	0											<1		<1	
Dichloromethane	mg/kg	0	339										<5		<5	
Hexachlorobutadiene	mg/kg	0											<1		<1	
Hexachloroethane	mg/kg	0	49.8	20.10												
Isopropylbenzene	mg/kg	0	3130	950.00									<1		<1	
n-Butylbenzene	mg/kg	0											<1		<1	
n-Propylbenzene (Propylbenzene)	mg/kg	0	9150	981.00									<1		<1	
sec-Butylbenzene	mg/kg	0											<1		<1	
Styrene	mg/kg	0	6180	1440.00									<1		<1	
tert-Butylbenzene	mg/kg	0											<2		<2	
Trans-1,2-dichloroethene (Trans-1,2-dichloroethylene)	mg/kg	0	37.4										<1		<1	
Trans-1,3-dichloropropene	mg/kg	0											<1		<1	
Trichlorofluoromethane	mg/kg	0											<1		<1	
SVOCs																
1,2,3-Trichloropropane	mg/kg	0											<1		<1	
2,4,5-Trichlorophenol	mg/kg	0														
2-Methylnaphthalene	mg/kg	0														
2-Nitrophenol	mg/kg	0														
3 & 4 Methylphenol	mg/kg	0														
4-Chloro-3-methylphenol (p-Chlorocre	mg/kg	0														
4-Nitrophenol	mg/kg	0														
Bis(2-chloroethoxy)methane	mg/kg	0														
Bis(2-chloroethyl)ether	mg/kg	0														
Bis(2-chloroisopropyl)ether	mg/kg	0														
bis(2-ethylhexyl)phthalate (Bis (2-ethylhexyl) phthalate)	mg/kg	0	85800	21.60												
Butyl benzyl phthalate (Benzyl butyl phthalate)	mg/kg	0	944000	64.70												
Carbazole	mg/kg	0														
Carbon Disulphide	mg/kg	0	21.8										0.001		<1	
Dibenzofuran	mg/kg	0														
Dibutyl phthalate (Di-n-butyl phthalate)	mg/kg	0	15400	11.40												
Di-n-octyl phthalate	mg/kg	0	89100	81.50												
Hexachlorobutadiene	mg/kg	0	66.2										<1		<1	
Hexachlorocyclopentadiene	mg/kg	0														
Isophorone	mg/kg	0														
Nitrobenzene	mg/kg	0														
Other/Additional																
n-Nitroso-n-dipropylamine	mg/kg	0														
Perylene	mg/kg	0														

Criteria:
Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit		Sample ID	PFCPRC26	PFCPRC26	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC29
						Depth	6.00	12.00	0.60	2.00	5.00	8.00	1.00	9.00	11.00	14.80	0.70
						Strata	MG	MG	MG	MG	MG	MG	MG	MG	MG	Possible MG	MG
Metals																	
Arsenic	mg/kg	0	635.00				2	<1	2	2	3	3	3	4	3	11	5
Barium	mg/kg	0	22100.00				473	63	310	488	808	616	764	296	537	996	398
Beryllium	mg/kg	0	11.70				<1	<1	1	<1	1	<1	<1	<1	<1	1	1
Boron, Water Soluble	mg/kg	0	236000.00				1.6	2	<1.0	<1.0	1.2	1.1	<1.0	1.1	1.8	15.8	<1.0
Cadmium	mg/kg	0	190.00				0.8	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	1	0.8	10.6	1.5
Chromium III	mg/kg	0	8570.00				14	7	26	12	14	24	14	12	14	114	21
Chromium, Hexavalent (VI)	mg/kg	0	32.80				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Copper	mg/kg	0	68300.00				27	7	28	35	27	46	30	29	29	294	29
Lead	mg/kg	0	2300.00				31	8	53	22	30	36	32	25	35	431	39
Mercury (Inorganic)	mg/kg	0	1120.00				0.52	0.63	0.35	0.99	0.85	0.95	1.06	0.68	1.26	5.31	0.57
Nickel	mg/kg	0	983.00				13	8	18	9	15	23	11	14	15	67	16
Selenium	mg/kg	0	12261.00				<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1
Vanadium	mg/kg	0	6360.00														
Zinc	mg/kg	0	730000.00				65	23	68	72	67	76	82	45	66	1040	77
Acidity / Alkalinity																	
pH	pH Units	0					8.22	8.32	8.65	8.27	8.19	8.2	8.23	8.13	8.3	7.4	8.53
Miscellaneous																	
Soil Organic Matter	%	0					0.7	0.4	0.3	0.7	1.1	2.4	0.4	1.1	0.6	10.2	1.2
Physical Tests																	
Stone Content	0	0					<0.1	4	18.8	<0.1	<0.1	<0.1	7.7	4.3	1.2	4.6	17.9
Asbestos																	
Asbestos Screen	0	0															
Asbestos Type	0	0															
Asbestos Type2	0	0															
Asbestos Quantification (Total)	0	0															
Total Petroleum Hydrocarbons Criteria Working Group																	
Aliphatic C5-C6	mg/kg	0	5860	558.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C6-C8	mg/kg	0	17400	322.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C8-C10	mg/kg	0	4850	190.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C10-C12	mg/kg	0	22900	118.00			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic C12-C16	mg/kg	0	81700	59.10			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic C16-C21	mg/kg	0	10700000	21.20			<0.1	<0.1	2.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic C21-C35	mg/kg	0	10700000	21.20			<0.1	<0.1	151	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Aliphatic	mg/kg	0					<0.1	<0.1	153	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic C5-C7	mg/kg	0	47.00				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C7-C8	mg/kg	0	106827.801	1920.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C8-C10	mg/kg	0	8110	1500.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C10-C12	mg/kg	0	27900	899.00			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic C12-C16	mg/kg	0	37300	419.00			<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic C16-C21	mg/kg	0	27700	134.00			<0.1	<0.1	19.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic C21-C35	mg/kg	0	28400	12.10			<0.1	<0.1	188	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<0.1	1.9
Total Aromatic C5-C35	mg/kg	0					<0.1	<0.1	208	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<0.1	1.9
TPH Ali/Aro Total	mg/kg	0					<0.1	<0.1	361	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<0.1	1.9
BTEX																	
Benzene	mg/kg	0	47.4622464				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Toluene	mg/kg	0	106827.801	1920.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ethylbenzene	mg/kg	0	12833.73	1220.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o-Xylene	mg/kg	0	15034.0828	1120.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
m&p-Xylene	mg/kg	0	13552.379	1350.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Methyl Tert-Butyl Ether (MTBE)	mg/kg	0	12100				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PAHs																	
Naphthalene	mg/kg	0	462	183.00			<0.03	<0.03	<0.30	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Acenaphthylene	mg/kg	0	96800	212.00			<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthene	mg/kg	0	97100	141.00			<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01
Fluorene	mg/kg	0	68400	76.50			<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01
Phenanthrene	mg/kg	0	22300	89.60			<0.03	<0.03	0.75	0.06	0.05	0.08	0.13	0.06	<0.03	0.05	0.17
Anthracene	mg/kg	0	536000	2.91			<0.02	<0.02	0.64	0.04	<0.02	0.04	0.03	<0.02	<0.02	<0.02	0.03
Fluoranthene	mg/kg	0	22700	47.30			<0.08	<0.08	2.35	0.2	0.12	0.19	0.38	0.12	<0.08	0.1	0.44
Pyrene	mg/kg	0	54400	5.49			<0.07	<0.07	2.02	0.2	0.11	0.16	0.37	0.11	<0.07	0.09	0.38
Benzo(a)anthracene	mg/kg	0	174	4.28			<0.04	<0.04	1.25	0.1	0.07	0.09	0.19	0.06	<0.04	0.05	0.22

Criteria:
Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit		Sample ID	PFCPRC26	PFCPRC26	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC29
						Depth	6.00	12.00	0.60	2.00	5.00	8.00	1.00	9.00	11.00	14.80	0.70
						Strata	MG	MG	MG	MG	MG	MG	MG	MG	MG	Possible MG	MG
Chrysene	mg/kg	0	352	1.10			<0.06	<0.06	1.35	0.15	0.08	0.11	0.27	0.08	<0.06	0.08	0.31
Benzo(b)fluoranthene	mg/kg	0	44.7	3.04			<0.05	<0.05	1.44	0.14	0.08	0.09	0.28	<0.05	<0.05	0.07	0.29
Benzo(k)fluoranthene	mg/kg	0	1180	1.72			<0.07	<0.07	0.92	0.11	<0.07	<0.07	0.12	<0.07	<0.07	<0.07	0.15
Benzo(a)pyrene	mg/kg	0	35.5	2.28			<0.04	<0.04	1.47	0.12	0.1	0.06	0.21	<0.04	<0.04	0.06	0.21
Indeno(1,2,3-c,d)pyrene	mg/kg	0	506	0.15			<0.03	<0.03	1.39	0.12	0.07	0.06	0.24	0.05	<0.03	0.07	0.21
Dibenzo(a,h)anthracene	mg/kg	0	3.55	0.0098			<0.04	<0.04	<0.40	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Benzo(g,h,i)perylene	mg/kg	0	3950	0.04			<0.05	<0.05	1.28	0.11	0.07	<0.05	0.19	<0.05	<0.05	0.07	0.16
PAH - USEPA 16, Total	mg/kg	0					<0.08	<0.08	15.2	1.36	0.77	0.9	2.4	0.51	<0.08	0.65	2.58
Chloroalkanes & Alkanes (VOC/SVOC)																	
1,2-Dichloroethane	mg/kg	0	0.967											<2		<2	
1,1,1-Trichloroethane	mg/kg	0	1350											<1		<1	
1,1,2,2-Tetrachloroethane	mg/kg	0	546											<1		<1	
1,1,1,2-Tetrachloroethane (PCA)	mg/kg	0	247											<1		<1	
Tetrachloroethene (Tetrachloroethyler	mg/kg	0	41.6											<1		<1	
Tetrachloromethane (Carbon tetrachl	mg/kg	0	6.28											<1		<1	
Trichloroethene (trichloroethylene)	mg/kg	0	2.57											<1		<1	
Trichloromethane (Chloroform)	mg/kg	0	174											<1		<1	
Vinyl Chloride (chloroethene , chloroe	mg/kg	0	0.0767											<1		<1	
Chlorobenzenes (VOC/SVOC)																	
Chlorobenzene	mg/kg	0	125											<1		<1	
1,2-Dichlorobenzene	mg/kg	0	4830	1370.00										<1		<1	
1,3-Dichlorobenzene	mg/kg	0	70.6											<1		<1	
1,4-Dichlorobenzene	mg/kg	0	9700	540.00										<1		<1	
1,2,3-Trichlorobenzene	mg/kg	0	250											<3		<3	
1,2,4-Trichlorobenzene	mg/kg	0	530											<3		<3	
Chlorophenols (VOC/SVOC)																	
Phenol	mg/kg	0	30000														
2-Chlorophenol	mg/kg	0	3980														
2,4-Dichlorophenol	mg/kg	0	3890														
2,4,6-Trichlorophenol	mg/kg	0	4160	2020.00													
Pentachlorophenol	mg/kg	0	403	39.10													
BTEX (VOC/SVOC)																	
Benzene	mg/kg	0	47.46											<1		<1	
Toluene	mg/kg	0	106827.80	1920.00										<1		<1	
Ethylbenzene	mg/kg	0	12833.73	1220.00										<1		<1	
o-Xylene	mg/kg	0	15034.08	1120.00										<1		<1	
p & m-Xylene	mg/kg	0	13552.38	1350.00										<1		<1	
VOCs																	
(4) p-Isopropyltoluene	mg/kg	0												<1		<1	
1,1,2-Trichloroethane	mg/kg	0	180											<1		<1	
1,1-Dichloroethane	mg/kg	0	425											<1		<1	
1,1-Dichloroethene (1,1-Dichloroethylene)	mg/kg	0	43											<1		<1	
1,1-Dichloropropene	mg/kg	0												<1		<1	
1,2,4-Trimethylbenzene	mg/kg	0	93.5											<1		<1	
1,2-Dibromo-3-chloropropane	mg/kg	0												<2		<2	
1,2-Dibromoethane	mg/kg	0												<1		<1	
1,2-Dichloropropane	mg/kg	0	5.54											<1		<1	
1,3,5-Trimethylbenzene	mg/kg	0												<1		<1	
1,3-Dichloropropane	mg/kg	0												<1		<1	
2,2-Dichloropropane	mg/kg	0												<1		<1	
2,4-Dimethylphenol	mg/kg	0	23400	3140.00													
2,4-Dinitrotoluene	mg/kg	0	3750	299.00													
2,6-Dinitrotoluene	mg/kg	0	1870	622.00													
2-Chloronaphthalene	mg/kg	0	902	280.00													
2-Chlorotoluene	mg/kg	0												<1		<1	
2-Methylphenol (o-Cresol , ortho-cresol)	mg/kg	0	175000	32500.00													
4-Chlorotoluene	mg/kg	0												<1		<1	
Bromobenzene	mg/kg	0	211											<1		<1	
Bromochloromethane	mg/kg	0												<5		<5	
Bromoform (Tribromomethane)	mg/kg	0	1430											<1		<1	
Bromomethane	mg/kg	0												<1		<1	
Chloroethane	mg/kg	0	1230											<1		<1	
Chloromethane	mg/kg	0	1.12											<10		<10	

Criteria:

Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit	Sample ID	PFCPRC26	PFCPRC26	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC29
					Depth	6.00	12.00	0.60	2.00	5.00	8.00	1.00	9.00	11.00	14.80	0.70
					Strata	MG	MG	MG	MG	MG	MG	MG	MG	MG	Possible MG	MG
Cis-1,2-dichloroethene (Cis-1,2-dichloroethylene)	mg/kg	0	22.9										<1		<1	
Cis-1,3-dichloropropene	mg/kg	0											<1		<1	
Dibromochloromethane	mg/kg	0											<10		<10	
Dibromomethane	mg/kg	0											<1		<1	
Dichlorodifluoromethane	mg/kg	0											<1		<1	
Dichloromethane	mg/kg	0	339										<5		<5	
Hexachlorobutadiene	mg/kg	0											<1		<1	
Hexachloroethane	mg/kg	0	49.8	20.10												
Isopropylbenzene	mg/kg	0	3130	950.00									<1		<1	
n-Butylbenzene	mg/kg	0											<1		<1	
n-Propylbenzene (Propylbenzene)	mg/kg	0	9150	981.00									<1		<1	
sec-Butylbenzene	mg/kg	0											<1		<1	
Styrene	mg/kg	0	6180	1440.00									<1		<1	
tert-Butylbenzene	mg/kg	0											<2		<2	
Trans-1,2-dichloroethene (Trans-1,2-dichloroethylene)	mg/kg	0	37.4										<1		<1	
Trans-1,3-dichloropropene	mg/kg	0											<1		<1	
Trichlorofluoromethane	mg/kg	0											<1		<1	
SVOCs																
1,2,3-Trichloropropane	mg/kg	0											<1		<1	
2,4,5-Trichlorophenol	mg/kg	0														
2-Methylnaphthalene	mg/kg	0														
2-Nitrophenol	mg/kg	0														
3 & 4 Methylphenol	mg/kg	0														
4-Chloro-3-methylphenol (p-Chlorocre	mg/kg	0														
4-Nitrophenol	mg/kg	0														
Bis(2-chloroethoxy)methane	mg/kg	0														
Bis(2-chloroethyl)ether	mg/kg	0														
Bis(2-chloroisopropyl)ether	mg/kg	0														
bis(2-ethylhexyl)phthalate (Bis (2-ethylhexyl) phthalate)	mg/kg	0	85800	21.60												
Butyl benzyl phthalate (Benzyl butyl phthalate)	mg/kg	0	944000	64.70												
Carbazole	mg/kg	0														
Carbon Disulphide	mg/kg	0	21.8										<1		<1	
Dibenzofuran	mg/kg	0														
Dibutyl phthalate (Di-n-butyl phthalate)	mg/kg	0	15400	11.40												
Di-n-octyl phthalate	mg/kg	0	89100	81.50												
Hexachlorobutadiene	mg/kg	0	66.2										<1		<1	
Hexachlorocyclopentadiene	mg/kg	0														
Isophorone	mg/kg	0														
Nitrobenzene	mg/kg	0														
Other/Additional																
n-Nitroso-n-dipropylamine	mg/kg	0														
Perylene	mg/kg	0														

Criteria:

Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit		Sample ID	PFCPRC29	PFCPRC29	PFCPRC55	PFCPRC55	PFCPRC55	PFCPRC58	PFCPRC59	PFPRC10	PFTPH03	PFTPH06A	PFTPH13	PFWS01
						Depth	4.00	7.00	0.80	2.50	6.00	0.50	1.00	0.30	1.20	0.60	0.60	0.60
						Strata	MG	MG	MG	MG	Clay	MG	Unknown	Unknown	MG	MG	MG	MG
Metals																		
Arsenic	mg/kg	0	635.00				<1	<1		1	3			5	<1	3	9	6
Barium	mg/kg	0	22100.00				311	48		69	242			88	213	2180	119	71
Beryllium	mg/kg	0	11.70				<1	<1		<1	1			1	<1	<1	2	1
Boron, Water Soluble	mg/kg	0	236000.00				<1.0	<1.0		1.6	7.4			<1.0	1.6	1.7	3.2	<1.0
Cadmium	mg/kg	0	190.00				0.6	<0.5		<0.5	1.1			1.1	<0.5	1.8	1.7	1.3
Chromium III	mg/kg	0	8570.00				10	5		7	17			13	11	28	33	28
Chromium, Hexavalent (VI)	mg/kg	0	32.80				<1	<1		<1	<1			<1	<1	<1	<1	<1
Copper	mg/kg	0	68300.00				19	3		8	26			21	20	49	178	31
Lead	mg/kg	0	2300.00				31	4		11	18			32	24	66	36	27
Mercury (Inorganic)	mg/kg	0	1120.00				0.75	0.74		0.75	0.6			<0.17	0.61	1.4	<0.17	<0.17
Nickel	mg/kg	0	983.00				9	3		7	18			11	10	16	28	14
Selenium	mg/kg	0	12261.00				<1	<1		<1	<1			<1	<1	<1	<1	<1
Vanadium	mg/kg	0	6360.00															
Zinc	mg/kg	0	730000.00				68	16		28	61			70	49	209	75	41
Acidity / Alkalinity																		
pH	pH Units	0					8.25	8.55		9.31	8.11			8.05	8.24	8.07	7.96	7.88
Miscellaneous																		
Soil Organic Matter	%	0					0.7	<0.34		0.7	0.9			1.2	1.8	1.1	2.3	2
Physical Tests																		
Stone Content	0	0					4.1	<0.1		<0.1	<0.1			34.1	3.2	2.2	12	20.9
Asbestos																		
Asbestos Screen	0	0							NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
Asbestos Type	0	0													N/A	N/A	N/A	
Asbestos Type2	0	0																
Asbestos Quantification (Total)	0	0																
Total Petroleum Hydrocarbons Criteria Working Group																		
Aliphatic C5-C6	mg/kg	0	5860	558.00			<0.01	<0.01		<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C6-C8	mg/kg	0	17400	322.00			<0.01	<0.01		<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C8-C10	mg/kg	0	4850	190.00			<0.01	<0.01		<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic C10-C12	mg/kg	0	22900	118.00			<0.1	<0.1		<0.1	<0.1			<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic C12-C16	mg/kg	0	81700	59.10			<0.1	<0.1		<0.1	<0.1			<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic C16-C21	mg/kg	0	10700000	21.20			<0.1	<0.1		<0.1	<0.1			<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic C21-C35	mg/kg	0	10700000	21.20			<0.1	<0.1		<0.1	<0.1			<0.1	<0.1	<0.1	<0.1	<0.1
Total Aliphatic	mg/kg	0					<0.1	<0.1		<0.1	<0.1			<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic C5-C7	mg/kg	0	47.00				<0.01	<0.01		<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C7-C8	mg/kg	0	106827.801	1920.00			<0.01	<0.01		<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C8-C10	mg/kg	0	8110	1500.00			<0.01	<0.01		<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic C10-C12	mg/kg	0	27900	899.00			<0.1	<0.1		<0.1	<0.1			<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic C12-C16	mg/kg	0	37300	419.00			<0.1	<0.1		<0.1	<0.1			<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic C16-C21	mg/kg	0	27700	134.00			<0.1	<0.1		<0.1	<0.1			<0.1	<0.1	<0.1	2	<0.1
Aromatic C21-C35	mg/kg	0	28400	12.10			<0.1	<0.1		<0.1	<0.1			<0.1	<0.1	<0.1	8	<0.1
Total Aromatic C5-C35	mg/kg	0					<0.1	<0.1		<0.1	<0.1			<0.1	<0.1	<0.1	10	<0.1
TPH Ali/Aro Total	mg/kg	0					<0.1	<0.1		<0.1	<0.1			<0.1	<0.1	<0.1	10	<0.1
BTEX																		
Benzene	mg/kg	0	47.4622464				<0.01	<0.01		<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01
Toluene	mg/kg	0	106827.801	1920.00			<0.01	<0.01		<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01
Ethylbenzene	mg/kg	0	12833.73	1220.00			<0.01	<0.01		<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01
o-Xylene	mg/kg	0	15034.0828	1120.00			<0.01	<0.01		<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01
m&p-Xylene	mg/kg	0	13552.379	1350.00			<0.01	<0.01		<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01
Methyl Tert-Butyl Ether (MTBE)	mg/kg	0	12100				<0.01	<0.01		<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01
PAHs																		
Naphthalene	mg/kg	0	462	183.00			<0.03	<0.03		<0.03	<0.03			<0.03	<0.03	<0.03	<0.03	<0.03
Acenaphthylene	mg/kg	0	96800	212.00			<0.01	<0.01		<0.01	<0.01			<0.01	<0.01	0.01	0.01	<0.01
Acenaphthene	mg/kg	0	97100	141.00			<0.01	<0.01		0.05	<0.01			<0.01	<0.01	<0.01	0.08	<0.01
Fluorene	mg/kg	0	68400	76.50			<0.01	<0.01		0.04	<0.01			<0.01	<0.01	<0.01	0.05	<0.01
Phenanthrene	mg/kg	0	22300	89.60			0.06	<0.03		0.14	<0.03			<0.03	<0.03	0.12	0.85	<0.03
Anthracene	mg/kg	0	536000	2.91			<0.02	<0.02		0.02	<0.02			<0.02	<0.02	<0.02	0.29	<0.02
Fluoranthene	mg/kg	0	22700	47.30			0.1	<0.08		<0.08	<0.08			<0.08	<0.08	0.36	1.9	<0.08
Pyrene	mg/kg	0	54400	5.49			0.09	<0.07		<0.07	<0.07			<0.07	<0.07	0.31	1.7	<0.07
Benzo(a)anthracene	mg/kg	0	174	4.28			<0.04	<0.04		<0.04	<0.04			<0.04	0.05	0.21	0.92	<0.04

Criteria:

Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit		Sample ID	PFCPRC29	PFCPRC29	PFCPRC55	PFCPRC55	PFCPRC55	PFCPRC58	PFCPRC59	PFPRC10	PFTPH03	PFTPH06A	PFTPH13	PFWS01
						Depth	4.00	7.00	0.80	2.50	6.00	0.50	1.00	0.30	1.20	0.60	0.60	0.60
						Strata	MG	MG	MG	MG	Clay	MG	Unknown	Unknown	MG	MG	MG	MG
Chrysene	mg/kg	0	352	1.10			<0.06	<0.06		<0.06	<0.06			<0.06	<0.06	0.27	1	<0.06
Benzo(b)fluoranthene	mg/kg	0	44.7	3.04			<0.05	<0.05		<0.05	<0.05			<0.05	0.09	0.36	1.31	<0.05
Benzo(k)fluoranthene	mg/kg	0	1180	1.72			<0.07	<0.07		<0.07	<0.07			<0.07	<0.07	0.15	0.51	<0.07
Benzo(a)pyrene	mg/kg	0	35.5	2.28			<0.04	<0.04		<0.04	<0.04			<0.04	0.08	0.36	1.19	<0.04
Indeno(1,2,3-c,d)pyrene	mg/kg	0	506	0.15			<0.03	<0.03		<0.03	<0.03			<0.03	0.06	0.31	0.88	<0.03
Dibenzo(a,h)anthracene	mg/kg	0	3.55	0.0098			<0.04	<0.04		<0.04	<0.04			<0.04	<0.04	0.06	0.19	<0.04
Benzo(g,h,i)perylene	mg/kg	0	3950	0.04			<0.05	<0.05		<0.05	<0.05			<0.05	0.05	0.29	0.7	<0.05
PAH - USEPA 16, Total	mg/kg	0					0.25	<0.08		0.25	<0.08			<0.08	0.34	2.8	11.6	<0.08
Chloroalkanes & Alkanes (VOC/SVOC)																		
1,2-Dichloroethane	mg/kg	0	0.967															<2
1,1,1-Trichloroethane	mg/kg	0	1350															<1
1,1,2,2-Tetrachloroethane	mg/kg	0	546															<1
1,1,1,2-Tetrachloroethane (PCA)	mg/kg	0	247															<1
Tetrachloroethene (Tetrachloroethyler	mg/kg	0	41.6															<1
Tetrachloromethane (Carbon tetrachl	mg/kg	0	6.28															<1
Trichloroethene (trichloroethylene)	mg/kg	0	2.57															<1
Trichloromethane (Chloroform)	mg/kg	0	174															<1
Vinyl Chloride (chloroethene , chloroe	mg/kg	0	0.0767															<1
Chlorobenzenes (VOC/SVOC)																		
Chlorobenzene	mg/kg	0	125															<1
1,2-Dichlorobenzene	mg/kg	0	4830	1370.00														<1
1,3-Dichlorobenzene	mg/kg	0	70.6															<1
1,4-Dichlorobenzene	mg/kg	0	9700	540.00														<1
1,2,3-Trichlorobenzene	mg/kg	0	250															<3
1,2,4-Trichlorobenzene	mg/kg	0	530															<3
Chlorophenols (VOC/SVOC)																		
Phenol	mg/kg	0	30000															<100
2-Chlorophenol	mg/kg	0	3980															<100
2,4-Dichlorophenol	mg/kg	0	3890															<100
2,4,6-Trichlorophenol	mg/kg	0	4160	2020.00														<100
Pentachlorophenol	mg/kg	0	403	39.10														<100
BTEX (VOC/SVOC)																		
Benzene	mg/kg	0	47.46															<1
Toluene	mg/kg	0	106827.80	1920.00														<1
Ethylbenzene	mg/kg	0	12833.73	1220.00														<1
o-Xylene	mg/kg	0	15034.08	1120.00														<1
p & m-Xylene	mg/kg	0	13552.38	1350.00														<1
VOCs																		
(4) p-Isopropyltoluene	mg/kg	0																<1
1,1,2-Trichloroethane	mg/kg	0	180															<1
1,1-Dichloroethane	mg/kg	0	425															<1
1,1-Dichloroethene (1,1-Dichloroethylene)	mg/kg	0	43															<1
1,1-Dichloropropene	mg/kg	0																<1
1,2,4-Trimethylbenzene	mg/kg	0	93.5															<1
1,2-Dibromo-3-chloropropane	mg/kg	0																<2
1,2-Dibromoethane	mg/kg	0																<1
1,2-Dichloropropane	mg/kg	0	5.54															<1
1,3,5-Trimethylbenzene	mg/kg	0																<1
1,3-Dichloropropane	mg/kg	0																<1
2,2-Dichloropropane	mg/kg	0																<1
2,4-Dimethylphenol	mg/kg	0	23400	3140.00														<100
2,4-Dinitrotoluene	mg/kg	0	3750	299.00														<100
2,6-Dinitrotoluene	mg/kg	0	1870	622.00														<100
2-Chloronaphthalene	mg/kg	0	902	280.00														<100
2-Chlorotoluene	mg/kg	0																<1
2-Methylphenol (o-Cresol , ortho-cresol)	mg/kg	0	175000	32500.00														<100
4-Chlorotoluene	mg/kg	0																<1
Bromobenzene	mg/kg	0	211															<1
Bromochloromethane	mg/kg	0																<5
Bromoform (Tribromomethane)	mg/kg	0	1430															<1
Bromomethane	mg/kg	0																<1
Chloroethane	mg/kg	0	1230															<1
Chloromethane	mg/kg	0	1.12															<10

Criteria:

Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit	Sample ID	PFCPRC29	PFCPRC29	PFCPRC55	PFCPRC55	PFCPRC55	PFCPRC58	PFCPRC59	PFPRC10	PFTPH03	PFTPH06A	PFTPH13	PFWS01
					Depth	4.00	7.00	0.80	2.50	6.00	0.50	1.00	0.30	1.20	0.60	0.60	0.60
					Strata	MG	MG	MG	MG	Clay	MG	Unknown	Unknown	MG	MG	MG	MG
Cis-1,2-dichloroethene (Cis-1,2-dichloroethylene)	mg/kg	0	22.9														<1
Cis-1,3-dichloropropene	mg/kg	0															<1
Dibromochloromethane	mg/kg	0															<10
Dibromomethane	mg/kg	0															<1
Dichlorodifluoromethane	mg/kg	0															<1
Dichloromethane	mg/kg	0	339														<5
Hexachlorobutadiene	mg/kg	0															<1
Hexachloroethane	mg/kg	0	49.8	20.10													<100
Isopropylbenzene	mg/kg	0	3130	950.00													<1
n-Butylbenzene	mg/kg	0															<1
n-Propylbenzene (Propylbenzene)	mg/kg	0	9150	981.00													<1
sec-Butylbenzene	mg/kg	0															<1
Styrene	mg/kg	0	6180	1440.00													<1
tert-Butylbenzene	mg/kg	0															<2
Trans-1,2-dichloroethene (Trans-1,2-dichloroethylene)	mg/kg	0	37.4														<1
Trans-1,3-dichloropropene	mg/kg	0															<1
Trichlorofluoromethane	mg/kg	0															<1
SVOCs																	
1,2,3-Trichloropropane	mg/kg	0															<1
2,4,5-Trichlorophenol	mg/kg	0															<0.1
2-Methylnaphthalene	mg/kg	0															<100
2-Nitrophenol	mg/kg	0															<100
3 & 4 Methylphenol	mg/kg	0															<100
4-Chloro-3-methylphenol (p-Chlorocre	mg/kg	0															<100
4-Nitrophenol	mg/kg	0															<100
Bis(2-chloroethoxy)methane	mg/kg	0															<100
Bis(2-chloroethyl)ether	mg/kg	0															<100
Bis(2-chloroisopropyl)ether	mg/kg	0															<100
bis(2-ethylhexyl)phthalate (Bis (2-ethylhexyl) phthalate)	mg/kg	0	85800	21.60													<100
Butyl benzyl phthalate (Benzyl butyl phthalate)	mg/kg	0	944000	64.70													<100
Carbazole	mg/kg	0															<100
Carbon Disulphide	mg/kg	0	21.8														<1
Dibenzofuran	mg/kg	0															<100
Dibutyl phthalate (Di-n-butyl phthalate)	mg/kg	0	15400	11.40													<100
Di-n-octyl phthalate	mg/kg	0	89100	81.50													<100
Hexachlorobutadiene	mg/kg	0	66.2														<1
Hexachlorocyclopentadiene	mg/kg	0															<100
Isophorone	mg/kg	0															<100
Nitrobenzene	mg/kg	0															<100
Other/Additional																	
n-Nitroso-n-dipropylamine	mg/kg	0															<100
Perylene	mg/kg	0															<100

Criteria:
Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit	Sample ID	PFWS01	PFWS02A	PFWS05	PFWS07	PFWS08	PFWS09	PFWS10	PFWS12	PFWS12	PFWS13	PFWS16	PFWS18A	PFWS26	PFWS27	PFWS28
					Depth	1.20	0.30	0.80	0.60	0.90	0.50	1.00	0.20	1.00	0.60	0.30	0.20	0.20	0.30	0.40
					Strata	MG	MG	Clay	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Metals																				
Arsenic	mg/kg	0	635.00			5	5	<1	2	7	4	36	9	<1	11	6		3	6	4
Barium	mg/kg	0	22100.00			80	37	46	85	531	579	69	29	202	77	58		50	145	163
Beryllium	mg/kg	0	11.70			1	<1	1	<1	1	1	1	1	3	1	<1		1	1	2
Boron, Water Soluble	mg/kg	0	236000.00			<1.0	<1.0	3	<1.0	2	1.7	<1.0	<1.0	2.2	1.5	<1.0		<1.0	<1.0	<1.0
Cadmium	mg/kg	0	190.00			1	1.2	0.9	0.7	1.8	1.3	4	0.6	0.7	2.5	1.1		1.1	1.1	1.9
Chromium III	mg/kg	0	8570.00			16	13	12	8	29	21	16	12	17	59	18		25	17	41
Chromium, Hexavalent (VI)	mg/kg	0	32.80			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1
Copper	mg/kg	0	68300.00			27	3	6	11	33	18	12	57	22	25	27		13	16	54
Lead	mg/kg	0	2300.00			27	9	8	17	36	29	44	7	16	37	49		13	42	58
Mercury (Inorganic)	mg/kg	0	1120.00			<0.17	<0.17	0.6	0.6	0.66	<0.17	<0.17	<0.17	<0.17	0.18	0.63		<0.17	<0.17	<0.17
Nickel	mg/kg	0	983.00			10	5	15	7	26	18	55	29	8	23	12		18	13	36
Selenium	mg/kg	0	12261.00			1	<1	<1	<1	<1	<1	<1	<1	2	1	<1		<1	<1	<1
Vanadium	mg/kg	0	6360.00																	
Zinc	mg/kg	0	730000.00			34	20	29	55	98	74	121	27	38	73	217		38	49	125
Acidity / Alkalinity																				
pH	pH Units	0				7.99	8.05	8.02	8.6	7.91	7.66	8.56	11.14	8.78	7.85	8.81		10.02	8.14	8.04
Miscellaneous																				
Soil Organic Matter	%	0				2.3	0.2	0.4	<0.1	1.4	1.5	0.8	4.7	3.5	0.7	4.2		2.6	2.4	0.6
Physical Tests																				
Stone Content	0	0				35.1	<0.1	<0.1	5.6	<0.1	24.9	23	37.9	17.8	<0.1	3.4		15.8	29.4	5.1
Asbestos																				
Asbestos Screen	0	0				NAD			NAD	NAD	NAD	Chrysotile	Chrysotile	Chrysotile	NAD	NAD	NAD	NAD	NAD	NAD
Asbestos Type	0	0										Loose Fibres	Loose Fibres	Loose Fibres				N/A	N/A	N/A
Asbestos Type2	0	0																		
Asbestos Quantification (Total)	0	0										<0.001	0.002	0.004						
Total Petroleum Hydrocarbons Criteria Working Group																				
Aliphatic C5-C6	mg/kg	0	5860	558.00		<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
Aliphatic C6-C8	mg/kg	0	17400	322.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
Aliphatic C8-C10	mg/kg	0	4850	190.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
Aliphatic C10-C12	mg/kg	0	22900	118.00		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Aliphatic C12-C16	mg/kg	0	81700	59.10		<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<0.1	1.4	3.8	14.1	<0.1		<0.1	5	<0.1
Aliphatic C16-C21	mg/kg	0	10700000	21.20		1.4	<0.1	14.6	<0.1	<0.1	<0.1	<0.1	6.7	8.6	1.2	<0.1		<0.1	5.5	<0.1
Aliphatic C21-C35	mg/kg	0	10700000	21.20		108	<0.1	77.1	<0.1	<0.1	<0.1	<0.1	12.1	6.8	<0.1	<0.1		<0.1	93.4	<0.1
Total Aliphatic	mg/kg	0				109	<0.1	92.7	<0.1	<0.1	<0.1	<0.1	20.2	19.2	15.3	<0.1		<0.1	104	<0.1
Aromatic C5-C7	mg/kg	0	47.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
Aromatic C7-C8	mg/kg	0	106827.801	1920.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
Aromatic C8-C10	mg/kg	0	8110	1500.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
Aromatic C10-C12	mg/kg	0	27900	899.00		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Aromatic C12-C16	mg/kg	0	37300	419.00		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	50.4	<0.1	<0.1		1.1	2.1	<0.1
Aromatic C16-C21	mg/kg	0	27700	134.00		3.2	<0.1	12.8	<0.1	<0.1	<0.1	<0.1	2	282	1	<0.1		5.8	3.5	<0.1
Aromatic C21-C35	mg/kg	0	28400	12.10		84.1	<0.1	68.6	<0.1	<0.1	<0.1	<0.1	5.5	342	<0.1	<0.1		30.2	73.1	<0.1
Total Aromatic C5-C35	mg/kg	0				87.4	<0.1	81.3	<0.1	<0.1	<0.1	<0.1	7.8	675	1	<0.1		36.9	78.7	<0.1
TPH Ali/Aro Total	mg/kg	0				196	<0.1	174	<0.1	<0.1	<0.1	<0.1	28	694	16.4	<0.1		36.9	183	<0.1
BTEX																				
Benzene	mg/kg	0	47.4622464			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
Toluene	mg/kg	0	106827.801	1920.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
Ethylbenzene	mg/kg	0	12833.73	1220.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
o-Xylene	mg/kg	0	15034.0828	1120.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
m&p-Xylene	mg/kg	0	13552.379	1350.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
Methyl Tert-Butyl Ether (MTBE)	mg/kg	0	12100			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
PAHs																				
Naphthalene	mg/kg	0	462	183.00		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03		<0.03	<0.03	<0.03
Acenaphthylene	mg/kg	0	96800	212.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07	0.12	0.07	<0.01	<0.01		<0.01	<0.01	<0.01
Acenaphthene	mg/kg	0	97100	141.00		<0.01	<0.01	0.01	<0.01	0.01	<0.01	0.05	<0.01	1.19	0.01	<0.01		<0.01	0.03	<0.01
Fluorene	mg/kg	0	68400	76.50		0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.09	<0.01	1.26	<0.01	<0.01		<0.01	0.05	<0.01
Phenanthrene	mg/kg	0	22300	89.60		0.06	<0.03	0.24	<0.03	0.12	0.13	1.45	0.09	12.8	0.26	0.06		0.15	0.11	<0.03
Anthracene	mg/kg	0	536000	2.91		<0.02	<0.02	0.05	<0.02	<0.02	<0.02	0.33	0.04	5.24	0.05	<0.02		0.03	<0.02	<0.02
Fluoranthene	mg/kg	0	22700	47.30		0.09	<0.08	0.69	<0.08	0.3	0.46	3.74	0.68	26.7	0.73	0.27		0.75	<0.08	<0.08
Pyrene	mg/kg	0	54400	5.49		0.09	<0.07	0.56	<0.07	0.26	0.47	3.1	1.33	23.6	0.68	0.27		0.66	<0.07	<0.07
Benzo(a)anthracene	mg/kg	0	174	4.28		0.04	<0.04	0.25	<0.04	0.16	0.2	1.94	0.68	12.6	0.39	0.14		0.44	<0.04	<0.04

Criteria:

Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit		Sample ID	PFWS01	PFWS02A	PFWS05	PFWS07	PFWS08	PFWS09	PFWS10	PFWS12	PFWS12	PFWS13	PFWS16	PFWS18A	PFWS26	PFWS27	PFWS28
						Depth	1.20	0.30	0.80	0.60	0.90	0.50	1.00	0.20	1.00	0.60	0.30	0.20	0.20	0.30	0.40
						Strata	MG	MG	Clay	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Chrysene	mg/kg	0	352	1.10			0.09	<0.06	0.29	<0.06	0.18	0.3	1.71	0.59	10.6	0.5	0.23		0.46	<0.06	<0.06
Benzo(b)fluoranthene	mg/kg	0	44.7	3.04			0.06	<0.05	0.42	<0.05	0.23	0.29	1.81	0.51	10.3	0.62	0.27		0.65	<0.05	<0.05
Benzo(k)fluoranthene	mg/kg	0	1180	1.72			<0.07	<0.07	0.15	<0.07	0.1	0.11	0.78	0.23	4.76	0.25	0.12		0.27	<0.07	<0.07
Benzo(a)pyrene	mg/kg	0	35.5	2.28			0.04	<0.04	0.28	<0.04	0.23	0.24	1.71	0.63	9.32	0.6	0.2		0.61	<0.04	<0.04
Indeno(1,2,3-c,d)pyrene	mg/kg	0	506	0.15			0.04	<0.03	0.23	<0.03	0.19	0.2	0.92	0.31	4.81	0.42	0.28		0.42	<0.03	<0.03
Dibenzo(a,h)anthracene	mg/kg	0	3.55	0.0098			<0.04	<0.04	<0.04	<0.04	<0.04	0.05	0.23	0.08	1.09	0.08	<0.04		0.1	<0.04	<0.04
Benzo(g,h,i)perylene	mg/kg	0	3950	0.04			0.06	<0.05	0.24	<0.05	0.17	0.16	0.66	0.23	3.42	0.35	0.25		0.34	<0.05	<0.05
PAH - USEPA 16, Total	mg/kg	0					0.58	<0.08	3.45	<0.08	1.96	2.64	18.6	5.55	128	4.97	2.08		4.89	0.19	<0.08
Chloroalkanes & Alkanes (VOC/SVOC)																					
1,2-Dichloroethane	mg/kg	0	0.967				<2							<2							
1,1,1-Trichloroethane	mg/kg	0	1350				<1							<1							
1,1,2,2-Tetrachloroethane	mg/kg	0	546				<1							<1							
1,1,1,2-Tetrachloroethane (PCA)	mg/kg	0	247				<1							<1							
Tetrachloroethene (Tetrachloroethyler	mg/kg	0	41.6				<1							<1							
Tetrachloromethane (Carbon tetrachl	mg/kg	0	6.28				<1							<1							
Trichloroethene (trichloroethylene)	mg/kg	0	2.57				<1							<1							
Trichloromethane (Chloroform)	mg/kg	0	174				<1							<1							
Vinyl Chloride (chloroethene , chloroe	mg/kg	0	0.0767				<1							<1							
Chlorobenzenes (VOC/SVOC)																					
Chlorobenzene	mg/kg	0	125				<1							<1							
1,2-Dichlorobenzene	mg/kg	0	4830	1370.00			<1							<1							
1,3-Dichlorobenzene	mg/kg	0	70.6				<1							<1							
1,4-Dichlorobenzene	mg/kg	0	9700	540.00			<1							<1							
1,2,3-Trichlorobenzene	mg/kg	0	250				<3							<3							
1,2,4-Trichlorobenzene	mg/kg	0	530				<3							<3							
Chlorophenols (VOC/SVOC)																					
Phenol	mg/kg	0	30000				<100							<200							
2-Chlorophenol	mg/kg	0	3980				<100							<200							
2,4-Dichlorophenol	mg/kg	0	3890				<100							<200							
2,4,6-Trichlorophenol	mg/kg	0	4160	2020.00			<100							<200							
Pentachlorophenol	mg/kg	0	403	39.10			<100							<200							
BTEX (VOC/SVOC)																					
Benzene	mg/kg	0	47.46				<1							<1							
Toluene	mg/kg	0	106827.80	1920.00			<1							<1							
Ethylbenzene	mg/kg	0	12833.73	1220.00			<1							<1							
o-Xylene	mg/kg	0	15034.08	1120.00			<1							<1							
p & m-Xylene	mg/kg	0	13552.38	1350.00			<1							<1							
VOCs																					
(4) p-Isopropyltoluene	mg/kg	0					<1							<1							
1,1,2-Trichloroethane	mg/kg	0	180				<1							<1							
1,1-Dichloroethane	mg/kg	0	425				<1							<1							
1,1-Dichloroethene (1,1-Dichloroethylene)	mg/kg	0	43				<1							<1							
1,1-Dichloropropene	mg/kg	0					<1							<1							
1,2,4-Trimethylbenzene	mg/kg	0	93.5				<1							<1							
1,2-Dibromo-3-chloropropane	mg/kg	0					<2							<2							
1,2-Dibromoethane	mg/kg	0					<1							<1							
1,2-Dichloropropane	mg/kg	0	5.54				<1							<1							
1,3,5-Trimethylbenzene	mg/kg	0					<1							<1							
1,3-Dichloropropane	mg/kg	0					<1							<1							
2,2-Dichloropropane	mg/kg	0					<1							<1							
2,4-Dimethylphenol	mg/kg	0	23400	3140.00			<100							<200							
2,4-Dinitrotoluene	mg/kg	0	3750	299.00			<100							<200							
2,6-Dinitrotoluene	mg/kg	0	1870	622.00			<100							<200							
2-Chloronaphthalene	mg/kg	0	902	280.00			<100							<200							
2-Chlorotoluene	mg/kg	0					<1							<1							
2-Methylphenol (o-Cresol , ortho-cresol)	mg/kg	0	175000	32500.00			<100							<200							
4-Chlorotoluene	mg/kg	0					<1							<1							
Bromobenzene	mg/kg	0	211				<1							<1							
Bromochloromethane	mg/kg	0					<5							<5							
Bromoform (Tribromomethane)	mg/kg	0	1430				<1							<1							
Bromomethane	mg/kg	0					<1							<1							
Chloroethane	mg/kg	0	1230				<1							<1							
Chloromethane	mg/kg	0	1.12				<10							<10							

APPENDIX E

E 3.1 Airport Access Road Human Health Screening Assessment

Criteria:

Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit		Sample ID	PFWS01	PFWS02A	PFWS05	PFWS07	PFWS08	PFWS09	PFWS10	PFWS12	PFWS12	PFWS13	PFWS16	PFWS18A	PFWS26	PFWS27	PFWS28
						Depth	1.20	0.30	0.80	0.60	0.90	0.50	1.00	0.20	1.00	0.60	0.30	0.20	0.20	0.30	0.40
						Strata	MG	MG	Clay	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Cis-1,2-dichloroethene (Cis-1,2-dichloroethylene)	mg/kg	0	22.9				<1							<1							
Cis-1,3-dichloropropene	mg/kg	0					<1							<1							
Dibromochloromethane	mg/kg	0					<10							<10							
Dibromomethane	mg/kg	0					<1							<1							
Dichlorodifluoromethane	mg/kg	0					<1							<1							
Dichloromethane	mg/kg	0	339				<5							<5							
Hexachlorobutadiene	mg/kg	0					<1							<1							
Hexachloroethane	mg/kg	0	49.8	20.10			<100							<200							
Isopropylbenzene	mg/kg	0	3130	950.00			<1							<1							
n-Butylbenzene	mg/kg	0					<1							<1							
n-Propylbenzene (Propylbenzene)	mg/kg	0	9150	981.00			<1							<1							
sec-Butylbenzene	mg/kg	0					<1							<1							
Styrene	mg/kg	0	6180	1440.00			<1							<1							
tert-Butylbenzene	mg/kg	0					<2							<2							
Trans-1,2-dichloroethene (Trans-1,2-dichloroethylene)	mg/kg	0	37.4				<1							<1							
Trans-1,3-dichloropropene	mg/kg	0					<1							<1							
Trichlorofluoromethane	mg/kg	0					<1							<1							
SVOCs																					
1,2,3-Trichloropropane	mg/kg	0					<1							<1							
2,4,5-Trichlorophenol	mg/kg	0					<100							<200							
2-Methylnaphthalene	mg/kg	0					<100							<200							
2-Nitrophenol	mg/kg	0					<100							<200							
3 & 4 Methylphenol	mg/kg	0					<100							<200							
4-Chloro-3-methylphenol (p-Chlorocre	mg/kg	0					<100							<200							
4-Nitrophenol	mg/kg	0					<100							<200							
Bis(2-chloroethoxy)methane	mg/kg	0					<100							<200							
Bis(2-chloroethyl)ether	mg/kg	0					<100							<200							
Bis(2-chloroisopropyl)ether	mg/kg	0					<100							<200							
bis(2-ethylhexyl)phthalate (Bis (2-ethylhexyl) phthalate)	mg/kg	0	85800	21.60			<100							<200							
Butyl benzyl phthalate (Benzyl butyl phthalate)	mg/kg	0	944000	64.70			<100							<200							
Carbazole	mg/kg	0					<100							<200							
Carbon Disulphide	mg/kg	0	21.8				<1							<1							
Dibenzofuran	mg/kg	0					<100							<200							
Dibutyl phthalate (Di-n-butyl phthalate)	mg/kg	0	15400	11.40			<100							<200							
Di-n-octyl phthalate	mg/kg	0	89100	81.50			<100							<200							
Hexachlorobutadiene	mg/kg	0	66.2				<1							<1							
Hexachlorocyclopentadiene	mg/kg	0					<100							<200							
Isophorone	mg/kg	0					<100							<200							
Nitrobenzene	mg/kg	0					<100							<200							
Other/Additional																					
n-Nitroso-n-dipropylamine	mg/kg	0					<100							<200							
Perylene	mg/kg	0					<100							<200							

E 3.1 Airport Access Road Human Health Screening Assessment

Criteria:

Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit	Sample ID	PFWS31	PFWS31	PFWS32	PFWS34	PFWS37	PFWS41	PFWS41	PFWS43	PFWS44	PFWSHH01	PFWSHH03	PFWSHH04	CP62	CP63A
					Depth	0.20	0.50	0.40	0.50	0.70	1.00	2.00	0.20	0.50	0.50	0.50	1.00	2.00-2.10	2.00-2.10
					Strata	MG	Clay	MG	MG	MG	MG	Clay	MG	MG	MG	MG	MG	MG	MG
Metals																			
Arsenic	mg/kg	0	635.00			4	2	9	3	8	6			5	10	<1	3	13	11
Barium	mg/kg	0	22100.00			85	106	76	102	62	71			113	118	134	185	140	130
Beryllium	mg/kg	0	11.70			1	3	1	1	1	1			3	1	<1	<1		
Boron, Water Soluble	mg/kg	0	236000.00			<1.0	<1.0	1.2	<1.0	<1.0	1.4			2.9	<1.0	<1.0	<1.0	1.9	1.9
Cadmium	mg/kg	0	190.00			1	1.5	1.4	0.6	1.6	1.3			1.5	1.4	<0.5	0.8	0.3	0.7
Chromium III	mg/kg	0	8570.00			12	27	26	10	31	29			15	17	6	10	21	30
Chromium, Hexavalent (VI)	mg/kg	0	32.80			<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1.0	<1.0
Copper	mg/kg	0	68300.00			44	20	11	15	11	9			33	22	15	18	34	73
Lead	mg/kg	0	2300.00			32	14	26	21	19	13			45	36	13	27	38	28
Mercury (Inorganic)	mg/kg	0	1120.00			0.19	<0.17	<0.17	0.22	<0.17	<0.17			<0.17	<0.17	0.61	0.44	0.12	0.11
Nickel	mg/kg	0	983.00			12	68	19	8	19	12			30	15	6	9	16	30
Selenium	mg/kg	0	12261.00			<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<0.5	<0.5
Vanadium	mg/kg	0	6360.00															39	36
Zinc	mg/kg	0	730000.00			43	82	47	50	42	28			91	64	40	51	120	140
Acidity / Alkalinity																			
pH	pH Units	0				8.28	7.8	7.72	8.49	8.17	8.3			7.9	8.85	8.43	9.8	10.1	8.9
Miscellaneous																			
Soil Organic Matter	%	0				5.1	0.7	2.4	0.6	0.4	0.7			16.3	2.2	0.5	0.6	3.1	2.1
Physical Tests																			
Stone Content	0	0				32.3	<0.1	5.4	41.5	<0.1	1			<0.1	17.3	5.9	23.5		
Asbestos																			
Asbestos Screen	0	0				NAD	NAD	NAD	NAD	NAD	NAD	Amosite	NAD	Chrysotile	Chrysotile	NAD	NAD		
Asbestos Type	0	0				N/A			N/A			Board			Loose Fibres				
Asbestos Type2	0	0										Loose fibres		Loose Fibres					
Asbestos Quantification (Total)	0	0										6.622		0.002	<0.001				
Total Petroleum Hydrocarbons Criteria Working Group																			
Aliphatic C5-C6	mg/kg	0	5860	558.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	< 0.01	< 0.01
Aliphatic C6-C8	mg/kg	0	17400	322.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	< 0.01	< 0.01
Aliphatic C8-C10	mg/kg	0	4850	190.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	< 0.01	< 0.01
Aliphatic C10-C12	mg/kg	0	22900	118.00		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	<0.1	<0.1	1.2	28	< 1.5
Aliphatic C12-C16	mg/kg	0	81700	59.10		<0.1	<0.1	<0.1	1	<0.1	<0.1			<0.1	<0.1	<0.1	34.5	310	< 1.2
Aliphatic C16-C21	mg/kg	0	10700000	21.20		<0.1	<0.1	<0.1	0.8	<0.1	<0.1			<0.1	<0.1	<0.1	65.3	550	< 1.5
Aliphatic C21-C35	mg/kg	0	10700000	21.20		15	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	<0.1	<0.1	43.2	1000	< 3.4
Total Aliphatic	mg/kg	0				15	<0.1	<0.1	1.8	<0.1	<0.1			<0.1	<0.1	<0.1	144	1900	< 10
Aromatic C5-C7	mg/kg	0	47.00			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	< 0.01	< 0.01
Aromatic C7-C8	mg/kg	0	106827.801	1920.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	< 0.01	< 0.01
Aromatic C8-C10	mg/kg	0	8110	1500.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	< 0.01	< 0.01
Aromatic C10-C12	mg/kg	0	27900	899.00		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	<0.1	<0.1	<0.1	15	< 0.9
Aromatic C12-C16	mg/kg	0	37300	419.00		1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	<0.1	1.8	2.8	240	< 0.5
Aromatic C16-C21	mg/kg	0	27700	134.00		6.6	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	4.9	0.7	27.6	370	< 0.6
Aromatic C21-C35	mg/kg	0	28400	12.10		43.6	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	0.5	0.5	43.6	510	< 1.4
Total Aromatic C5-C35	mg/kg	0				51.2	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	5.4	3	74.1	1100	< 10
TPH Ali/Aro Total	mg/kg	0				66.2	<0.1	<0.1	1.8	<0.1	<0.1			<0.1	5.4	3	218	3000	< 10
BTEX																			
Benzene	mg/kg	0	47.4622464			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01		
Toluene	mg/kg	0	106827.801	1920.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01		
Ethylbenzene	mg/kg	0	12833.73	1220.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01		
o-Xylene	mg/kg	0	15034.0828	1120.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01		
m&p-Xylene	mg/kg	0	13552.379	1350.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01		
Methyl Tert-Butyl Ether (MTBE)	mg/kg	0	12100			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01		
PAHs																			
Naphthalene	mg/kg	0	462	183.00		0.04	<0.03	<0.03	<0.03	<0.03	<0.03			<0.03	<0.03	<0.03	<0.03	0.53	< 0.03
Acenaphthylene	mg/kg	0	96800	212.00		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	< 0.03	< 0.03
Acenaphthene	mg/kg	0	97100	141.00		0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	1.1	0.08
Fluorene	mg/kg	0	68400	76.50		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	2.6	0.08
Phenanthrene	mg/kg	0	22300	89.60		0.15	<0.03	<0.03	0.05	<0.03	<0.03			0.03	0.21	0.09	0.09	7.4	0.69
Anthracene	mg/kg	0	536000	2.91		0.04	<0.02	<0.02	<0.02	<0.02	<0.02			<0.02	0.04	<0.02	<0.02	1.4	0.16
Fluoranthene	mg/kg	0	22700	47.30		0.35	<0.08	<0.08	0.15	<0.08	<0.08			<0.08	0.58	0.37	0.31	5.5	0.54
Pyrene	mg/kg	0	54400	5.49		0.31	<0.07	<0.07	0.14	<0.07	<0.07			<0.07	0.54	0.32	0.29	4.8	0.4
Benzo(a)anthracene	mg/kg	0	174	4.28		0.21	<0.04	<0.04	0.1	<0.04	<0.04			<0.04	0.31	0.24	0.19	1.6	0.13

APPENDIX E

E 3.1 Airport Access Road Human Health Screening Assessment

Criteria:

Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit		Sample ID	PFWS31	PFWS31	PFWS32	PFWS34	PFWS37	PFWS41	PFWS41	PFWS43	PFWS44	PFWSHH01	PFWSHH03	PFWSHH04	CP62	CP63A
						Depth	0.20	0.50	0.40	0.50	0.70	1.00	2.00	0.20	0.50	0.50	0.50	1.00	2.00-2.10	2.00-2.10
						Strata	MG	Clay	MG	MG	MG	MG	Clay	MG	MG	MG	MG	MG	MG	MG
Chrysene	mg/kg	0	352	1.10			0.27	<0.06	<0.06	0.1	<0.06	<0.06			<0.06	0.4	0.24	0.19	1.7	0.11
Benzo(b)fluoranthene	mg/kg	0	44.7	3.04			0.43	<0.05	<0.05	0.14	<0.05	<0.05			<0.05	0.49	0.3	0.24	1.8	0.08
Benzo(k)fluoranthene	mg/kg	0	1180	1.72			0.16	<0.07	<0.07	<0.07	<0.07	<0.07			<0.07	0.2	0.15	0.11	0.7	< 0.03
Benzo(a)pyrene	mg/kg	0	35.5	2.28			0.28	<0.04	0.05	0.14	<0.04	<0.04			<0.04	0.47	0.3	0.24	1.3	< 0.03
Indeno(1,2,3-c,d)pyrene	mg/kg	0	506	0.15			0.21	<0.03	0.03	0.11	<0.03	<0.03			<0.03	0.33	0.23	0.18	0.7	< 0.03
Dibenzo(a,h)anthracene	mg/kg	0	3.55	0.0098			0.06	<0.04	<0.04	<0.04	<0.04	<0.04			<0.04	0.07	0.06	0.04	<.03	< 0.03
Benzo(g,h,i)perylene	mg/kg	0	3950	0.04			0.2	<0.05	<0.05	0.09	<0.05	<0.05			<0.05	0.27	0.18	0.16	0.77	< 0.03
PAH - USEPA 16, Total	mg/kg	0					2.71	<0.08	0.09	1.1	<0.08	<0.08			<0.08	3.93	2.49	2.05	32	2.3
Chloroalkanes & Alkanes (VOC/SVOC)																				
1,2-Dichloroethane	mg/kg	0	0.967				<2													
1,1,1-Trichloroethane	mg/kg	0	1350				<1													
1,1,2,2-Tetrachloroethane	mg/kg	0	546				<1													
1,1,1,2-Tetrachloroethane (PCA)	mg/kg	0	247				<1													
Tetrachloroethene (Tetrachloroethyler	mg/kg	0	41.6				<1													
Tetrachloromethane (Carbon tetrachl	mg/kg	0	6.28				<1													
Trichloroethene (trichloroethylene)	mg/kg	0	2.57				<1													
Trichloromethane (Chloroform)	mg/kg	0	174				<1													
Vinyl Chloride (chloroethene , chloroe	mg/kg	0	0.0767				<1													
Chlorobenzenes (VOC/SVOC)																				
Chlorobenzene	mg/kg	0	125				<1													
1,2-Dichlorobenzene	mg/kg	0	4830	1370.00			<1													
1,3-Dichlorobenzene	mg/kg	0	70.6				<1													
1,4-Dichlorobenzene	mg/kg	0	9700	540.00			<1													
1,2,3-Trichlorobenzene	mg/kg	0	250				<3													
1,2,4-Trichlorobenzene	mg/kg	0	530				<3													
Chlorophenols (VOC/SVOC)																				
Phenol	mg/kg	0	30000				<100												<0.3	<0.3
2-Chlorophenol	mg/kg	0	3980				<100													
2,4-Dichlorophenol	mg/kg	0	3890				<100													
2,4,6-Trichlorophenol	mg/kg	0	4160	2020.00			<100													
Pentachlorophenol	mg/kg	0	403	39.10			<100													
BTEX (VOC/SVOC)																				
Benzene	mg/kg	0	47.46				<1													
Toluene	mg/kg	0	106827.80	1920.00			<1													
Ethylbenzene	mg/kg	0	12833.73	1220.00			<1													
o-Xylene	mg/kg	0	15034.08	1120.00			<1													
p & m-Xylene	mg/kg	0	13552.38	1350.00			<1													
VOCs																				
(4) p-Isopropyltoluene	mg/kg	0					<1													
1,1,2-Trichloroethane	mg/kg	0	180				<1													
1,1-Dichloroethane	mg/kg	0	425				<1													
1,1-Dichloroethene (1,1-Dichloroethylene)	mg/kg	0	43				<1													
1,1-Dichloropropene	mg/kg	0					<1													
1,2,4-Trimethylbenzene	mg/kg	0	93.5				<1													
1,2-Dibromo-3-chloropropane	mg/kg	0					<2													
1,2-Dibromoethane	mg/kg	0					<1													
1,2-Dichloropropane	mg/kg	0	5.54				<1													
1,3,5-Trimethylbenzene	mg/kg	0					<1													
1,3-Dichloropropane	mg/kg	0					<1													
2,2-Dichloropropane	mg/kg	0					<1													
2,4-Dimethylphenol	mg/kg	0	23400	3140.00			<100													
2,4-Dinitrotoluene	mg/kg	0	3750	299.00			<100													
2,6-Dinitrotoluene	mg/kg	0	1870	622.00			<100													
2-Chloronaphthalene	mg/kg	0	902	280.00			<100													
2-Chlorotoluene	mg/kg	0					<1													
2-Methylphenol (o-Cresol , ortho-cresol)	mg/kg	0	175000	32500.00			<100													
4-Chlorotoluene	mg/kg	0					<1													
Bromobenzene	mg/kg	0	211				<1													
Bromochloromethane	mg/kg	0					<5													
Bromoform (Tribromomethane)	mg/kg	0	1430				<1													
Bromomethane	mg/kg	0					<1													
Chloroethane	mg/kg	0	1230				<1													
Chloromethane	mg/kg	0	1.12				<10													

APPENDIX E

E 3.1 Airport Access Road Human Health Screening Assessment

Criteria:

Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit		Sample ID	PFWS31	PFWS31	PFWS32	PFWS34	PFWS37	PFWS41	PFWS41	PFWS43	PFWS44	PFWSHH01	PFWSHH03	PFWSHH04	CP62	CP63A
						Depth	0.20	0.50	0.40	0.50	0.70	1.00	2.00	0.20	0.50	0.50	0.50	1.00	2.00-2.10	2.00-2.10
						Strata	MG	Clay	MG	MG	MG	MG	Clay	MG	MG	MG	MG	MG	MG	MG
Cis-1,2-dichloroethene (Cis-1,2-dichloroethylene)	mg/kg	0	22.9				<1													
Cis-1,3-dichloropropene	mg/kg	0					<1													
Dibromochloromethane	mg/kg	0					<10													
Dibromomethane	mg/kg	0					<1													
Dichlorodifluoromethane	mg/kg	0					<1													
Dichloromethane	mg/kg	0	339				<5													
Hexachlorobutadiene	mg/kg	0					<1													
Hexachloroethane	mg/kg	0	49.8	20.10			<100													
Isopropylbenzene	mg/kg	0	3130	950.00			<1													
n-Butylbenzene	mg/kg	0					<1													
n-Propylbenzene (Propylbenzene)	mg/kg	0	9150	981.00			<1													
sec-Butylbenzene	mg/kg	0					<1													
Styrene	mg/kg	0	6180	1440.00			<1													
tert-Butylbenzene	mg/kg	0					<2													
Trans-1,2-dichloroethene (Trans-1,2-dichloroethylene)	mg/kg	0	37.4				<1													
Trans-1,3-dichloropropene	mg/kg	0					<1													
Trichlorofluoromethane	mg/kg	0					<1													
SVOCs																				
1,2,3-Trichloropropane	mg/kg	0					<1													
2,4,5-Trichlorophenol	mg/kg	0					<100													
2-Methylnaphthalene	mg/kg	0					<100													
2-Nitrophenol	mg/kg	0					<100													
3 & 4 Methylphenol	mg/kg	0					<100													
4-Chloro-3-methylphenol (p-Chlorocre	mg/kg	0					<100													
4-Nitrophenol	mg/kg	0					<100													
Bis(2-chloroethoxy)methane	mg/kg	0					<100													
Bis(2-chloroethyl)ether	mg/kg	0					<100													
Bis(2-chloroisopropyl)ether	mg/kg	0					<100													
bis(2-ethylhexyl)phthalate (Bis (2-ethylhexyl) phthalate)	mg/kg	0	85800	21.60			<100													
Butyl benzyl phthalate (Benzyl butyl phthalate)	mg/kg	0	944000	64.70			<100													
Carbazole	mg/kg	0					<100													
Carbon Disulphide	mg/kg	0	21.8				<1													
Dibenzofuran	mg/kg	0					<100													
Dibutyl phthalate (Di-n-butyl phthalate)	mg/kg	0	15400	11.40			<100													
Di-n-octyl phthalate	mg/kg	0	89100	81.50			<100													
Hexachlorobutadiene	mg/kg	0	66.2				<1													
Hexachlorocyclopentadiene	mg/kg	0					<100													
Isophorone	mg/kg	0					<100													
Nitrobenzene	mg/kg	0					<100													
Other/Additional																				
n-Nitroso-n-dipropylamine	mg/kg	0					<100													
Perylene	mg/kg	0					0.104													

APPENDIX E

E 3.1 Airport Access Road Human Health Screening Assessment

Criteria:

Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit	Sample ID	CP66	CP66	CPRC67	CPRC67	PFCP68
					Depth	0.90	2.00-2.10	1.00-1.10	4.00-4.10	0.60
					Strata	MG	MG	MG	MG	MG
Metals										
Arsenic	mg/kg	0	635.00			16	10	4.7	13	13
Barium	mg/kg	0	22100.00			72	160	380	69	120
Beryllium	mg/kg	0	11.70							
Boron, Water Soluble	mg/kg	0	236000.00			0.7	0.5	0.9	3.2	0.3
Cadmium	mg/kg	0	190.00			<0.1	0.3	0.3	0.1	0.3
Chromium III	mg/kg	0	8570.00			44	31	14	23	34
Chromium, Hexavalent (VI)	mg/kg	0	32.80			<1.0	<1.0	<1.0	<1.0	<1.0
Copper	mg/kg	0	68300.00			35	26	18	15	31
Lead	mg/kg	0	2300.00			30	28	16	15	25
Mercury (Inorganic)	mg/kg	0	1120.00			0.25	0.11	0.18	0.09	0.16
Nickel	mg/kg	0	983.00			27	18	11	23	29
Selenium	mg/kg	0	12261.00			<0.5	0.6	<0.5	<0.5	<0.5
Vanadium	mg/kg	0	6360.00			91	51	18	33	59
Zinc	mg/kg	0	730000.00			87	87	79	88	81
Acidity / Alkalinity										
pH	pH Units	0				7.9	8.5	8.5	11.1	8.2
Miscellaneous										
Soil Organic Matter	%	0				0.5	3	0.8	1.3	0.9
Physical Tests										
Stone Content	0	0								
Asbestos										
Asbestos Screen	0	0								
Asbestos Type	0	0								
Asbestos Type2	0	0								
Asbestos Quantification (Total)	0	0								
Total Petroleum Hydrocarbons Criteria Working Group										
Aliphatic C5-C6	mg/kg	0	5860	558.00		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C6-C8	mg/kg	0	17400	322.00		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C8-C10	mg/kg	0	4850	190.00		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C10-C12	mg/kg	0	22900	118.00		< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatic C12-C16	mg/kg	0	81700	59.10		< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatic C16-C21	mg/kg	0	10700000	21.20		< 1.5	2.6	< 1.5	< 1.5	< 1.5
Aliphatic C21-C35	mg/kg	0	10700000	21.20		< 3.4	94	< 3.4	< 3.4	< 3.4
Total Aliphatic	mg/kg	0				< 10	97	< 10	< 10	< 10
Aromatic C5-C7	mg/kg	0	47.00			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C7-C8	mg/kg	0	106827.801	1920.00		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C8-C10	mg/kg	0	8110	1500.00		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C10-C12	mg/kg	0	27900	899.00		< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatic C12-C16	mg/kg	0	37300	419.00		< 0.5	0.7	< 0.5	< 0.5	< 0.5
Aromatic C16-C21	mg/kg	0	27700	134.00		< 0.6	9.6	< 0.6	< 0.6	< 0.6
Aromatic C21-C35	mg/kg	0	28400	12.10		< 1.4	220	< 1.4	< 1.4	< 1.4
Total Aromatic C5-C35	mg/kg	0				< 10	230	< 10	< 10	< 10
TPH Ali/Aro Total	mg/kg	0				< 10	330	< 10	< 10	< 10
BTEX										
Benzene	mg/kg	0	47.4622464							
Toluene	mg/kg	0	106827.801	1920.00						
Ethylbenzene	mg/kg	0	12833.73	1220.00						
o-Xylene	mg/kg	0	15034.0828	1120.00						
m&p-Xylene	mg/kg	0	13552.379	1350.00						
Methyl Tert-Butyl Ether (MTBE)	mg/kg	0	12100							
PAHs										
Naphthalene	mg/kg	0	462	183.00		< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	mg/kg	0	96800	212.00		< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	mg/kg	0	97100	141.00		< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	mg/kg	0	68400	76.50		< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	mg/kg	0	22300	89.60		0.04	0.13	< 0.03	< 0.03	0.05
Anthracene	mg/kg	0	536000	2.91		< 0.03	0.04	< 0.03	< 0.03	< 0.03
Fluoranthene	mg/kg	0	22700	47.30		0.19	0.21	0.05	< 0.03	0.15
Pyrene	mg/kg	0	54400	5.49		0.19	0.17	0.04	< 0.03	0.14
Benzo(a)anthracene	mg/kg	0	174	4.28		0.08	0.06	< 0.03	< 0.03	0.06

APPENDIX E

E 3.1 Airport Access Road Human Health Screening Assessment

Criteria:

Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit		Sample ID	CP66	CP66	CPRC67	CPRC67	PFCP68
						Depth	0.90	2.00-2.10	1.00-1.10	4.00-4.10	0.60
						Strata	MG	MG	MG	MG	MG
Chrysene	mg/kg	0	352	1.10			0.09	0.07	< 0.03	< 0.03	0.08
Benzo(b)fluoranthene	mg/kg	0	44.7	3.04			0.12	0.07	< 0.03	< 0.03	0.09
Benzo(k)fluoranthene	mg/kg	0	1180	1.72			0.05	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	mg/kg	0	35.5	2.28			0.09	0.06	< 0.03	< 0.03	0.06
Indeno(1,2,3-c,d)pyrene	mg/kg	0	506	0.15			0.05	0.04	< 0.03	< 0.03	0.04
Dibenzo(a,h)anthracene	mg/kg	0	3.55	0.0098			< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(g,h,i)perylene	mg/kg	0	3950	0.04			0.05	0.04	< 0.03	< 0.03	0.04
PAH - USEPA 16, Total	mg/kg	0					0.95	0.87	< 0.1	< 0.1	0.7
Chloroalkanes & Alkanes (VOC/SVOC)											
1,2-Dichloroethane	mg/kg	0	0.967								
1,1,1-Trichloroethane	mg/kg	0	1350								
1,1,2,2-Tetrachloroethane	mg/kg	0	546								
1,1,1,2-Tetrachloroethane (PCA)	mg/kg	0	247								
Tetrachloroethene (Tetrachloroethyler	mg/kg	0	41.6								
Tetrachloromethane (Carbon tetrachl	mg/kg	0	6.28								
Trichloroethene (trichloroethylene)	mg/kg	0	2.57								
Trichloromethane (Chloroform)	mg/kg	0	174								
Vinyl Chloride (chloroethene , chloroe	mg/kg	0	0.0767								
Chlorobenzenes (VOC/SVOC)											
Chlorobenzene	mg/kg	0	125								
1,2-Dichlorobenzene	mg/kg	0	4830	1370.00							
1,3-Dichlorobenzene	mg/kg	0	70.6								
1,4-Dichlorobenzene	mg/kg	0	9700	540.00							
1,2,3-Trichlorobenzene	mg/kg	0	250								
1,2,4-Trichlorobenzene	mg/kg	0	530								
Chlorophenols (VOC/SVOC)											
Phenol	mg/kg	0	30000				<0.3	<0.3	<0.3	<0.3	<0.3
2-Chlorophenol	mg/kg	0	3980								
2,4-Dichlorophenol	mg/kg	0	3890								
2,4,6-Trichlorophenol	mg/kg	0	4160	2020.00							
Pentachlorophenol	mg/kg	0	403	39.10							
BTEX (VOC/SVOC)											
Benzene	mg/kg	0	47.46								
Toluene	mg/kg	0	106827.80	1920.00							
Ethylbenzene	mg/kg	0	12833.73	1220.00							
o-Xylene	mg/kg	0	15034.08	1120.00							
p & m-Xylene	mg/kg	0	13552.38	1350.00							
VOCs											
(4) p-Isopropyltoluene	mg/kg	0									
1,1,2-Trichloroethane	mg/kg	0	180								
1,1-Dichloroethane	mg/kg	0	425								
1,1-Dichloroethene (1,1-Dichloroethylene)	mg/kg	0	43								
1,1-Dichloropropene	mg/kg	0									
1,2,4-Trimethylbenzene	mg/kg	0	93.5								
1,2-Dibromo-3-chloropropane	mg/kg	0									
1,2-Dibromoethane	mg/kg	0									
1,2-Dichloropropane	mg/kg	0	5.54								
1,3,5-Trimethylbenzene	mg/kg	0									
1,3-Dichloropropane	mg/kg	0									
2,2-Dichloropropane	mg/kg	0									
2,4-Dimethylphenol	mg/kg	0	23400	3140.00							
2,4-Dinitrotoluene	mg/kg	0	3750	299.00							
2,6-Dinitrotoluene	mg/kg	0	1870	622.00							
2-Chloronaphthalene	mg/kg	0	902	280.00							
2-Chlorotoluene	mg/kg	0									
2-Methylphenol (o-Cresol , ortho-cresol)	mg/kg	0	175000	32500.00							
4-Chlorotoluene	mg/kg	0									
Bromobenzene	mg/kg	0	211								
Bromochloromethane	mg/kg	0									
Bromoform (Tribromomethane)	mg/kg	0	1430								
Bromomethane	mg/kg	0									
Chloroethane	mg/kg	0	1230								
Chloromethane	mg/kg	0	1.12								

APPENDIX E

E 3.1 Airport Access Road Human Health Screening Assessment

Criteria:

Commercial 2.5%

Contaminant Name	Units	No. of Exceedances	Screening Value	Saturation Limit	Sample ID	CP66	CP66	CPRC67	CPRC67	PFCP68
					Depth	0.90	2.00-2.10	1.00-1.10	4.00-4.10	0.60
					Strata	MG	MG	MG	MG	MG
Cis-1,2-dichloroethene (Cis-1,2-dichloroethylene)	mg/kg	0	22.9							
Cis-1,3-dichloropropene	mg/kg	0								
Dibromochloromethane	mg/kg	0								
Dibromomethane	mg/kg	0								
Dichlorodifluoromethane	mg/kg	0								
Dichloromethane	mg/kg	0	339							
Hexachlorobutadiene	mg/kg	0								
Hexachloroethane	mg/kg	0	49.8	20.10						
Isopropylbenzene	mg/kg	0	3130	950.00						
n-Butylbenzene	mg/kg	0								
n-Propylbenzene (Propylbenzene)	mg/kg	0	9150	981.00						
sec-Butylbenzene	mg/kg	0								
Styrene	mg/kg	0	6180	1440.00						
tert-Butylbenzene	mg/kg	0								
Trans-1,2-dichloroethene (Trans-1,2-dichloroethylene)	mg/kg	0	37.4							
Trans-1,3-dichloropropene	mg/kg	0								
Trichlorofluoromethane	mg/kg	0								
SVOCs										
1,2,3-Trichloropropane	mg/kg	0								
2,4,5-Trichlorophenol	mg/kg	0								
2-Methylnaphthalene	mg/kg	0								
2-Nitrophenol	mg/kg	0								
3 & 4 Methylphenol	mg/kg	0								
4-Chloro-3-methylphenol (p-Chlorocre	mg/kg	0								
4-Nitrophenol	mg/kg	0								
Bis(2-chloroethoxy)methane	mg/kg	0								
Bis(2-chloroethyl)ether	mg/kg	0								
Bis(2-chloroisopropyl)ether	mg/kg	0								
bis(2-ethylhexyl)phthalate (Bis (2-ethylhexyl) phthalate)	mg/kg	0	85800	21.60						
Butyl benzyl phthalate (Benzyl butyl phthalate)	mg/kg	0	944000	64.70						
Carbazole	mg/kg	0								
Carbon Disulphide	mg/kg	0	21.8							
Dibenzofuran	mg/kg	0								
Dibutyl phthalate (Di-n-butyl phthalate)	mg/kg	0	15400	11.40						
Di-n-octyl phthalate	mg/kg	0	89100	81.50						
Hexachlorobutadiene	mg/kg	0	66.2							
Hexachlorocyclopentadiene	mg/kg	0								
Isophorone	mg/kg	0								
Nitrobenzene	mg/kg	0								
Other/Additional										
n-Nitroso-n-dipropylamine	mg/kg	0								
Perylene	mg/kg	0								

Appendix E

E4 Groundwater Vapour Analysis

Lab Sample ID	Substitue GAC	Screening value	Units	Screening standard	Units	Limit of Detection - ALS analysis	Number of Exceedances										19507794
Client Sample No								BH206	BH209	BH209	BH210	BH213	BH214	BH214	BH214	BH223	BH228	BH228
Depth to Top								7.22	12.54	12.82	9.58	16.79	18.41	18.4	18.46	8.1	5.29	6.65
Depth to Bottom								8.15	12.54-13.35	13.33	not supplied	17.69	19.27	19.05	19.20	8.88	8.15	8.23
Date Sampled								15/08/2018	11/09/2018	08/10/2018	15/01/2019	16/08/2018	16/08/2018	12/09/2018	08/10/2018	15/01/2019	06/02/2019	07/03/2019
Sample Type								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Matrix Code																		
Inorganics																		
Organics																		
General inorganics																		
pH		n/a	pH units	Default	mg/l			7.4	7.44	7.74	7.37	7.35	6.98	7.48	7.43	7.28	7.93	7.4
Total Cyanide		n/a	µg/l	Default	µg/l	50.00	0	< 50	50	< 50	< 50	< 50	< 50	< 50	< 50		< 50	< 50
Complex Cyanides		n/a	µg/l	Default	µg/l	50.00	0	< 50	50	< 50	< 50	< 50	< 50	< 50	< 50		< 50	< 50
Free Cyanide		n/a	µg/l	Default	µg/l	50.00	0	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50		< 50	< 50
Thiocyanate as SCN		n/a	µg/l	Default	µg/l	50.00	0	< 50	100	119	< 50	< 50	< 50	< 50	66		< 50	< 50
Sulphate as SO4		n/a	µg/l	Default	µg/l	2000.00	0	322000	104000	98400	259000	8100	29800	29200	8800	24000	99200	90700
Sulphide		n/a	µg/l	Default	µg/l	10.00	0	< 10	< 10	1360	< 10	109	< 10	< 10	95	< 10	< 10	< 10
Chloride		n/a	mg/l	Default	mg/l	2.00	0	223	544	503	192	250	390	395	482		1500	742
Fluoride		n/a	µg/l	Default	µg/l	500.00	0	< 500	892	715	830	< 500	< 500	< 500	< 500	< 500	< 500	< 500
Ammoniacal Nitrogen as N		n/a	µg/l	Default	µg/l	200.00	0	104000	293000	289000	29600	224000	97900	103000	110000	119000	294	350
Nitrate as NO_3		n/a	mg/l	Default	mg/l	0.30	0	< 0.3	0.302	2.07	0.316	0.446	19.1	< 0.3	< 0.3		3.32	0.326
Nitrite as NO_2		n/a	µg/l	Default	µg/l	50.00	0	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50		324	87
Alkalinity		n/a	mg/l	Default	mg/l	2.00	0	1510	3700	2930	1000	1940	1870	1880	4050	2200	157	241
Chemical Oxygen Demand (COD)		n/a	mg/l	Default	mg/l	7.00	0	243	565	852	1250	198	306	580	976	9460	47.8	24.5
Biological Oxygen Demand (BOD)		n/a	mg/l	Default	mg/l	1.00	0	16.1	41.2	52.3	< 500	< 5	< 50	127	121	104	< 1	< 1
Total Oxidised N (Nitrate/-ite)		n/a	mg/l	Default	mg/l	0.10	0	< 0.1	< 0.1	0.477	< 0.1	0.107	4.32	< 0.1	< 0.1		0.849	0.1
Total Suspended Solids		n/a	mg/l	Default	mg/l	2.00	0	475	3620	4900	22200	67.3	790	2730	17100	110000	8.55	21.4
Hardness - Total		n/a	mg/l	Default	mg/l	0.350	0	1260	1470	1520	287	565	1490	3240	1630	14500	738	475
Bromide		n/a	mg/l	Default	mg/l	0.060	0	2.24	6.81	< 0.06		2.5	4.59	4.72	< 0.06	1.49	0.568	0.354
Bromate		n/a	mg/l	Default	mg/l	0.005	0	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005
Phenols																		
Cresols	4-Methylphenol	n/a	µg/l	Default	µg/l	6	0	20	10	10	< 6	< 6	< 6	< 6	10	< 6	< 6	< 6
Isopropylphenol	Phenol	n/a	µg/l	Default	µg/l	6	0	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Phenol		n/a	µg/l	Default	µg/l	2	0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Trimethylphenol	Phenol	n/a	µg/l	Default	µg/l	3	0	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Speciated PAHs																		
Naphthalene		23000	µg/l	Default	µg/l	0.01	0	0.0771	0.562		0.0353	0.0251	0.0432	0.0286	0.0232	0.858	0.0363	0.184
Acenaphthylene		20000000	µg/l	Default	µg/l	0.005	0	0.104	0.19		< 0.005	0.0094	< 0.005	< 0.005	0.017	0.134	< 0.005	0.00551
Acenaphthene		15000000	µg/l	Default	µg/l	0.005	0	2.32	4.57		0.284	0.281	0.0288	0.116	0.234	0.711	0.141	0.112
Fluorene		18000000	µg/l	Default	µg/l	0.005	0	0.588	3.5		0.188	0.072	0.0197	0.0779	0.113	0.714	0.0817	0.0371
Phenanthrene		n/a	µg/l	Default	µg/l	0.005	0	1.21	9.69		0.768	0.0127	0.12	0.531	0.338	3.78	0.105	0.00828
Anthracene		n/a	µg/l	Default	µg/l	0.005	0	0.5	2.51		0.192	0.00505	0.0325	0.157	0.0523	0.993	0.0234	0.0124
Fluoranthene		n/a	µg/l	Default	µg/l	0.005	0	7.55	10.6		1.47	0.0573	0.315	1.47	0.947	6.96	0.0593	0.0806
Pyrene		n/a	µg/l	Default	µg/l	0.005	0	6.54	8.72		1.23	0.0527	0.293	1.4	0.939	6.31	0.0418	0.0674
Benzo(a)anthracene		n/a	µg/l	Default	µg/l	0.005	0	2.23	4.51		0.461	< 0.005	0.0926	0.707	0.303	3.18	< 0.005	0.0163
Chrysene		n/a	µg/l	Default	µg/l	0.005	0	2.09	3.89		0.374	< 0.005	0.113	0.705	0.344	2.83	< 0.005	0.0107
Benzo(b)fluoranthene		n/a	µg/l	Default	µg/l	0.005	0	3.62	8.27		0.777	0.0173	0.211	1.84	0.436	7.07	0.00982	0.0191
Benzo(k)fluoranthene		n/a	µg/l	Default	µg/l	0.005	0	1.38	3.59		0.324	0.00969	0.0896	0.705	0.138	3.39	< 0.005	0.00997
Benzo(a)pyrene		n/a	µg/l	Default	µg/l	0.002	0	2.7	6.62		0.535	0.0143	0.129	1.27	0.259	5.18	0.00657	0.0113
Indeno(1,2,3-cd)pyrene		n/a	µg/l	Default	µg/l	0.005	0	1.27	4.38		0.207	0.0113	0.0898	0.721	0.199	3.34	< 0.005	0.00692
Dibenzo(a,h)anthracene		n/a	µg/l	Default	µg/l	0.005	0	0.312	0.817		0.062	< 0.005	0.0293	0.189	< 0.01	0.971	< 0.005	< 0.005
Benzo(g,h,i)perylene		n/a	µg/l	Default	µg/l	0.005	0	1.61	4.44		0.288	< 0.005	0.0894	1.05	0.265	5.27	< 0.005	0.0149
Heavy metals and metalloids																		
Antimony		n/a	µg/l	Default	µg/l	1	0	1.16	1.64	1.57	< 1	< 1	< 1	1.09	< 1	1.23	1.9	1.3
Arsenic		n/a	µg/l	Default	µg/l	0.5	0	6.02	10.4	12.2	6.87	3.7	25.2	29.3	32	6.86	1.96	1.17
Barium		n/a	µg/l	Default	µg/l	0.2	0	432	882	850	2800	777	458	473	520	3080	206	122
Beryllium		n/a	µg/l	Default	µg/l	0.1	0	0.348	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron		n/a	µg/l	Default	µg/l	10	0	2040	28000	24500	3150	2890	2330	2180	2560	2540	36.8	55
Cadmium >200mg/l $CaCO_3$		n/a	µg/l	Default	µg/l	0.08	0	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	0.132	< 0.08	< 0.08
Calcium		n/a	mg/l	Default	mg/l	0.200	0	294	141	146	205	127	257	285	230	175	249	179
Chromium VI		n/a	µg/l	Default	µg/l	30.000	0	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 0.03
Chromium III		n/a	µg/l	Default	µg/l	30	0	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	0.0384
Chromium Total		n/a	µg/l	Default	µg/l	1	0	1.16	7.7	7.61	< 1	5.51	2.09	1.99	1.78	2.09	1.59	38.4
Copper (bioavailable), DOC <1mg/l		n/a	µg/l	Default	µg/l	0.3	0	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	0.377	< 0.3	11.6	< 0.3	< 0.3
Iron		n/a	mg/l	Default	mg/l	0.019	0	5.61	15	10.4	6.88	15.9	27	12.5	31.4	9.88	0.776	1.14
Lead		n/a	µg/l	Default	µg/l	0.2	0	< 0.2	0.208	< 0.2	0.387	< 0.2	0.427	0.392	0.504	40.8	0.335	0.312
Magnesium		n/a	mg/l	Default	mg/l	0.036	0	61.4	65.6	65.9	93.1	49.3	88	81.1	101	36.1	7.12	4.35
Manganese (bioavailable)		n/a	µg/l	Default	µg/l	3	0	5590	344	292	3460	163	3880	3740	3920	1870	154	165
Mercury		n/a	µg/l	Default	µg/l	0.01	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Molybdenum		n/a	µg/l	Default	µg/l	3	0	8.98	< 3	< 3	10.8	< 3	4.43	9	< 3	10.9	11.3	13.9
Nickel >200 mg/l $CaCO_3$		n/a	µg/l	Default	µg/l	0.4	0	54.9	27.2	28.7	6.31	36.5	30.3	39.8	23.8	20.5	2.65	2.75
Potassium		n/a	mg/l	Default	mg/l	0.2	0	90.8	172	175	53.1	128	49.3	44.7	49.6	48.1	21	19.6
Selenium		n/a	µg/l	Default	µg/l	1	0	< 1	< 1	< 1	1.68	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium		n/a	mg/l	Default	mg/l	0.076	0	242	556	577	309	323	303	295	332	172	696	402
Vanadium		n/a	µg/l	Default	µg/l	1	0	2.43	4.7	4.62	1.24	2.93	2.72	2.01	3.03	2.01	4.17	4.12
Zinc >250 mg/l $CaCO_3$		n/a	µg/l	Default	µg/l	1	0	2.92	16.9	8.65	538	6.92	7.95	3.4	3.89	349	23.5	14.7
Monoaromatics																		
Benzene		20000	µg/l	Default	µg/l	1.000	0	2.4	1.41	< 1	< 1	1.32	< 1	< 1	< 1	1.49	< 1	< 1
Toluene		21000000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	6.04	< 1	< 1	< 1	1.99	< 1	1.37
Ethylbenzene		960000	µg/l	Default	µg/l	1.000	0	1.36	3.78	1.6	< 1	< 1	< 1	< 1	< 1	4.86	< 1	< 1
Xylenes		940000	µg/l	Default	µg/l	2.000	0	6.39	41.4	30.3	< 2	< 2	< 2	< 2	< 2	7.65	< 2	6.9
MTBE		7800000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Petroleum hydrocarbons																		
TPH >C5-C6 Aliphatics		190000	µg/l	Default	µg/l	10.000	0	< 10	17	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C6-C8 Aliphatics		150000	µg/l	Default	µg/l	10.000	0	12	21	< 10	24	11	< 10	< 10	< 10	13	< 10	< 10
TPH >C8-C10 Aliphatics		5700	µg/l	Default	µg/l	10.000	0	12	23	< 10	18	15	< 10	< 10	< 10	38	< 10	< 10
TPH >C10-C12 Aliphatics		3600	µg/l	Default	µg/l	10.000	2	21	32	18	15	19	< 10	< 10	< 10	56	< 10	< 10
TPH >C12-C16 Aliphatics		n/a	µg/l	Default	µg/l	10.000	0	23	33		< 200	< 10	< 10	22	71	2220	< 10	< 10
TPH >C16-C21 Aliphatics		n/a	µg/l	Default	µg/l	10.000	0	104	80		371	30	34	199	1340	12000	< 10	22
TPH >C21-C35 Aliphatics		n/a	µg/l	Default	µg/l	10.000	0	405	528		2370	142	297	1810	9050	77600	< 10	62
TPH-CWG - Aliphatic >C16 - C35		n/a	µg/l	Default	µg/l	10.000	0	509	608		2740	172	331	2010	10400	89600	< 10	
C5-C35 Aliphatics		n/a	µg/l	Default	µg/l	-	0											119
TPH >C5-C6 Aromatics		20000000	µg/l	Default	µg/l	10.000	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C7-C8 Aromatics		21000000	µg/l	Default	µg/l	10.000	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C8-C10 Aromatics		190000	µg/l	Default	µg/l	10.000	0	19	54	38	14	10	< 10	< 10	< 10	39	< 10	15

Compound	Notes
PFOA	PHE guidance details that both PFOS and PFOA are essentially non-volatile and general public would not be expected to be exposed via inhalation (Public Heath England – PFOS and PFOA Toxicological Overview (2009))
2,4,5-T 2,4,5-TP 2,4-D Dichlorprop MCPA Mecoprop Fluroxypyr Trichlorpyr Diuron Monuron	According to the Pesticide Properties Database- chemical has low volatility (https://sitem.herts.ac.uk/aeru/ppdb/en/atoz.htm)

Appendix E

E4 Groundwater Vapour Analysis

Lab Sample ID	Substitue GAC	Screening value	Units	Screening standard	Units	Limit of Detection - ALS analysis	Number of Exceedances										19507794
Client Sample No								BH206	BH209	BH209	BH210	BH213	BH214	BH214	BH214	BH223	BH228	BH228
Depth to Top								7.22	12.54	12.82	9.58	16.79	18.41	18.4	18.46	8.1	5.29	6.65
Depth to Bottom								8.15	12.54-13.35	13.33	not supplied	17.69	19.27	19.05	19.20	8.88	8.15	8.23
Date Sampled								15/08/2018	11/09/2018	08/10/2018	15/01/2019	16/08/2018	16/08/2018	12/09/2018	08/10/2018	15/01/2019	06/02/2019	07/03/2019
Sample Type								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Matrix Code																		
TPH >C10-C12 Aromatics		660000	µg/l	Default	µg/l	10.000	0	14	21	12	10	12	< 10	< 10	< 10	37	< 10	< 10
TPH >C12-C16 Aromatics		3700000	µg/l	Default	µg/l	10.000	0	65	48		< 200	< 10	< 10	< 20	41	1470	< 10	< 10
TPH >C16-C21 Aromatics		n/a	µg/l	Default	µg/l	10.000	0	71	91		< 200	< 10	16	114	136	5170	< 10	< 10
TPH >C21-C35 Aromatics		n/a	µg/l	Default	µg/l	10.000	0	159	281		< 200	31	60	440	2050	18500	< 10	< 10
VOCs																		
Chloromethane		1400	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane		1000000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	Bromodichloromethane	1600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Chloride		63	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	Bromodichloromethane	1600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene		16000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cis-1,2 Dichloroethene		13000	µg/l	Default	µg/l	1.000	0	2.45	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2.08	< 1	< 1
MTBE		7800000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1 -Dichloroethane		260000	µg/l	Default	µg/l	1.000	0	1.05	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane	1,2-Dichloropropane	2600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloromethane		85000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane		290000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane		850	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	1,2-Dichloropropane	2600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,2 Dichloroethene		16000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene		20000	µg/l	Default	µg/l	1.000	0	2.4	1.41	< 1	< 1	1.32	< 1	< 1	< 1	1.49	< 1	< 1
Tetrachloromethane		770	µg/l	Default	µg/l	-	0											< 1
1,2-Dichloropropane		2600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene		530	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	Dichloromethane	370,000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane		1600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cis-1,3 Dichloropropene	1,2-Dichloropropane	2600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3 Dichloropropene	1,2-Dichloropropane	2600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene		21000000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	6.04	< 1	< 1	< 1	1.99	< 1	1.37
1,1,2-Trichloroethane		49000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	1,2-Dichloropropane	2600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	Dichloromethane	370000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene		4600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	1,2-Dichloroethane	850	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene		15000	µg/l	Default	µg/l	1.000	0	2.33	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane		22000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene		960000	µg/l	Default	µg/l	1.000	0	1.36	3.78	1.6	< 1	< 1	< 1	< 1	< 1	4.86	< 1	< 1
m,p-Xylenes		940000	µg/l	Default	µg/l	1.000	0	6.39	41.4	30.3	< 1	< 1	< 1	< 1	< 1	5.68	< 1	5.66
Styrene		8800	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene		1100000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.97	< 1	1.24
1,1,2,2-Tetrachloroethane		150000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Iso-propylbenzene		86000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene		20000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Propylbenzene		240000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Chlorotoluene		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Chlorotoluene		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5 Trimethylbenzene	1,2,4-TrimethylBenzene	2200	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.3	< 1	1.33
tert-Butylbenzene	Benzene	20000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4 Trimethylbenzene		2200	µg/l	Default	µg/l	1.000	2	1.12	1.36	< 1	< 1	< 1	< 1	< 1	< 1	4.12	< 1	4.11
sec-Butylbenzene	Benzene	20000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3 Dichlorobenzene		2800	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene	Benzene	20000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene		220000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4 Dichlorobenzene		460000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Butylbenzene	Benzene	20000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	Benzene	20000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene		7200	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene		230	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene		3100	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	1,2-Dichloropropane	2600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trichlorobenzene		660	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	Bromodichloromethane	1600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichloromethane		370000	µg/l	Default	µg/l	3.000	0	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Carbon disulphide		5600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.16	< 1	< 1
Dichlorodifluoromethane	Dichloromethane	370000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
SVOCs																		
Phenol		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
2-Chlorophenol		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
Bis(2-chloroethyl)ether		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
2-Methylphenol		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
Hexachloroethane		740	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
Nitrobenzene	Benzene	20000	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
4-Methylphenol		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
Isophorone	Benzene	20000	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
2-Nitrophenol		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
2,4-Dimethylphenol		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
Bis(2-chloroethoxy)methane		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
2,4-Dichlorophenol		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
4-Chloro-3-methylphenol	2-chloronaphthalene	14000	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
2,4,6-trichlorophenol		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
2,4,5-Trichlorophenol	2,4,6-trichlorophenol	n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
2-Methylnaphthalene	naphthalene	23000	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
2-Chloronaphthalene		14000	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
Dimethylphthalate		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	401	< 1	< 1
2,6-Dinitrotoluene		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
2,4-Dinitrotoluene		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
Dibenzofuran	Benzene	20000	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1

Compound	Notes
PFOA	PHE guidance details that both PFOS and PFOA are essentially non-volatile and general public would not be expected to be exposed via inhalation (Public Heath England – PFOS and PFOA Toxicological Overview (2009))
2,4,5-T 2,4,5-TP 2,4-D Dichlorprop MCPA Mecoprop Fluroxypyr Trichlorpyr Diuron Monuron	According to the Pesticide Properties Database- chemical has low volatility (https://sitem.herts.ac.uk/aeru/ppdb/en/atoz.htm)

Appendix E

E4 Groundwater Vapour Analysis

Lab Sample ID	Substitue GAC	Screening value	Units	Screening standard	Units	Limit of Detection - ALS analysis	Number of Exceedances										19507794
Client Sample No								BH206	BH209	BH209	BH210	BH213	BH214	BH214	BH214	BH223	BH228	BH228
Depth to Top								7.22	12.54	12.82	9.58	16.79	18.41	18.4	18.46	8.1	5.29	6.65
Depth to Bottom								8.15	12.54-13.35	13.33	not supplied	17.69	19.27	19.05	19.20	8.88	8.15	8.23
Date Sampled								15/08/2018	11/09/2018	08/10/2018	15/01/2019	16/08/2018	16/08/2018	12/09/2018	08/10/2018	15/01/2019	06/02/2019	07/03/2019
Sample Type								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Matrix Code																		
Diethyl phthalate		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
Bromophenyl phenyl ether		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
Hexachlorobenzene		1400	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
Phenanthrene		n/a	µg/l	Default	µg/l	0.005	0	1.21	9.69		0.768	0.0127	0.12	0.531	0.338	3.78	0.105	0.00828
Carbazole	Benzene	20000	µg/l	Default	µg/l	1.000	0	1.44	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
Di-n-butyl phthalate		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	6.22		< 8	< 10	241	< 1	< 1
Butyl benzyl phthalate		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	113	< 1	< 1
PCBs by GC-ECD - WHO 12																		
PCB Congener 77		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015
PCB Congener 81		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015
PCB Congener 105		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015
PCB Congener 114		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015
PCB Congener 118		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015
PCB Congener 123		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015
PCB Congener 126		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015
PCB Congener 156		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015
PCB Congener 157		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015
PCB Congener 167		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015
PCB Congener 169		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015
PCB Congener 189		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015
Environmental Forensics																		
PFOS		n/a	µg/l	Default	µg/l	0.100	0	0.136	0.207		< 0.1	0.216	0.0307		0.0628		0.00978	0.0172
PFOA		n/a	µg/l	Default	µg/l	0.065	0	0.0569	0.0786		< 0.065	0.0653	0.0341		0.0487		0.00446	0.00501
Chloroxuron		n/a	µg/l	Default	µg/l	0.010	0	< 0.1	< 0.1	< 0.01		< 0.1	< 0.1	< 0.1	< 0.01		< 0.01	< 0.01
Chlorpropham		n/a	µg/l	Default	µg/l	0.050	0	< 0.5	< 0.5	< 0.05		< 0.5	< 0.5	< 0.5	< 0.05		< 0.05	< 0.05
Ethiofencarb		n/a	µg/l	Default	µg/l	0.020	0	< 0.2	< 0.2	< 0.02		< 0.2	< 0.2	< 0.2	< 0.02		< 0.02	< 0.02
Propham		n/a	µg/l	Default	µg/l	0.050	0	< 0.5	< 0.5	< 0.05		< 0.5	< 0.5	< 0.5	< 0.05		< 0.05	< 0.05
Dimefuron		n/a	µg/l	Default	µg/l	0.020	0	< 0.2	< 0.2	< 0.02		< 0.2	< 0.2	< 0.2	< 0.02		< 0.02	< 0.02
Metoxuron		n/a	µg/l	Default	µg/l	0.010	0	< 0.1	< 0.1	< 0.01		< 0.1	< 0.1	< 0.1	< 0.01		< 0.01	< 0.01
Pencycuron		n/a	µg/l	Default	µg/l	0.020	0	< 0.2	< 0.2	< 0.02		< 0.2	< 0.2	< 0.2	< 0.02		< 0.02	< 0.02
o,p-Methoxychlor		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.2		< 0.2	< 0.01	-	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Demeton-s-methyl		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01
Diclofop		n/a	µg/l	Default	µg/l	0.020	0	< 0.02	< 0.02	< 1		< 0.02	< 0.02	< 0.02	< 1		< 0.02	< 0.2
Cyhalothrin		n/a	µg/l	Default	µg/l	0.050	0	< 0.05	< 0.05	< 0.05	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 0.05	< 0.05
Atrazine-methoxy		n/d	µg/l	Default	µg/l	-	0											< 0.01
Bromacil		n/a	µg/l	Default	µg/l	0.010	0	< 0.1	< 0.1	< 0.01		< 0.1	< 0.1	< 0.1	< 0.01		< 0.01	< 0.01
4-Nitrophenol		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
Hexachlorocyclopentadiene	Chlorobenzene	15000	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
n-Nitroso-n-dipropylamine	1,2-Dichloropropane	2600	µg/l	Default	µg/l	1.000	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1
Carbamates																		
Pirimicarb		n/a	ng/l	Default	ng/l	10.000	0	< 100	< 100	< 10		< 10	< 100	< 100	< 10		< 10	< 0.01
Carbetamide		n/a	ng/l	Default	ng/l	100.000	0	< 100	< 100	< 100		< 100	< 100	< 100	< 100		< 100	< 0.01
Phthalates																		
Bis(2-ethylhexyl)phthalate		n/a	µg/l	Default	µg/l	2.000	0	< 2	< 16	< 20	< 40	< 2		< 16	< 20	468	< 2	< 2
Di-n-octyl phthalate		n/a	µg/l	Default	µg/l	5.000	0	< 5	< 40	< 50	< 100	< 5		< 40	< 50	< 250	< 5	< 5
Glycols																		
Rodenticides																		
Triazine Pesticides																		
Atrazine		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01
Simazine		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01
Prometryn		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
Propazine		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
Terbuthylazine		n/d	µg/l	Default	µg/l	-	0											
Terbutryn		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
Acid herbicides esters																		
Acid Herbicides																		
2,3,6-TBA		n/a	µg/l	Default	µg/l	0.100	0	< 0.1	< 1	< 100		< 0.1	< 1	< 1	< 100		< 1	< 10
Benazolin		n/a	µg/l	Default	µg/l	0.050	0	< 0.05	< 0.05	< 2.5		< 0.05	< 0.05	< 0.05	< 2.5		< 0.05	< 0.5
Bromoxynil		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.5		< 0.01	< 0.01	< 0.01	< 0.5		< 0.01	< 0.1
Clopyralid		n/a	µg/l	Default	µg/l	0.030	0	< 0.03	< 0.3	< 1.5		< 0.03	< 0.03	< 0.3	< 1.5		< 0.03	< 0.3
Ioxynil		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.5		< 0.01	< 0.01	< 0.01	< 0.5		< 0.01	< 0.1
2,4,5-T		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.5		< 0.01	< 0.01	< 0.01	< 0.5		< 0.01	< 0.1
2,4,5-TP		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	0.079	< 0.5		< 0.01	< 0.01	< 0.01	< 0.5		< 0.1	< 0.1
2,4-D		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.5		< 0.01	< 0.01	0.045	< 0.5		< 0.01	< 0.1
2,4-DB		n/a	µg/l	Default	µg/l	0.020	0	< 0.02	< 0.02	< 1		< 0.02	< 0.02	< 0.02	< 1		< 0.02	< 0.2
Dicamba		n/a	µg/l	Default	µg/l	0.030	0	< 0.03	< 0.03	< 1.5		< 0.03	< 0.03	< 0.03	< 1.5		< 0.03	< 0.3
Dichlorprop		n/a	µg/l	Default	µg/l	0.010	0	0.167	0.042	< 0.5		< 0.01	< 0.01	< 0.01	< 0.5		< 0.01	< 0.1
MCPA		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.5		< 0.01	< 0.01	< 0.01	< 0.5		< 0.01	< 0.1
MCPB		n/a	µg/l	Default	µg/l	0.020	0	< 0.02	< 0.02	< 1		< 0.02	< 0.02	< 0.02	< 1		< 0.02	< 0.2
Mecoprop		n/a	µg/l	Default	µg/l	0.010	0	0.865	1.26	< 0.5		1.64	< 0.258	0.184	< 0.5		< 0.01	< 0.1
Picloram		n/a	µg/l	Default	µg/l	0.020	0	< 0.02	< 0.2	< 1		< 0.02	< 0.02	< 0.2	< 1		< 0.02	< 0.2
4-Chlorophenoxyacetic acid		n/d	µg/l	Default	µg/l	-	0											
Organochlorine Pesticides																		
Aldrin		3700	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
alpha-HCH (alpha-BHC)		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
beta-HCH (beta-BHC)		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
delta-HCH (delta-BHC)		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Dieldrin		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	2.09		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Endosulfan		590000	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Endosulfan		600000	µg/l	Default	µg/l	0.020	0	< 0.02	< 0.4		< 0.4	< 0.02		< 0.02	< 0.02	< 0.04	< 0.02	< 0.02
Endosulfan Sulphate		n/a	µg/l	Default	µg/l	0.020	0	< 0.02	< 0.4		< 0.4	< 0.02		< 0.02	< 0.02	< 0.08	< 0.02	< 0.04
Endrin		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
gamma-HCH (gamma-BHC)		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Heptachlor		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Heptachlor Epoxide		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Isodrin		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Methoxychlor		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.04	< 0.01	< 0.01
o,p-DDE		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01

Compound	Notes
PFOA	PHE guidance details that both PFOS and PFOA are essentially non-volatile and general public would not be expected to be exposed via inhalation (Public Heath England – PFOS and PFOA Toxicological Overview (2009))
2,4,5-T 2,4,5-TP 2,4-D Dichlorprop MCPA Mecoprop Fluroxypyr Trichlorpyr Diuron Monuron	According to the Pesticide Properties Database- chemical has low volatility (https://sitem.herts.ac.uk/aeru/ppdb/en/atoz.htm)

Appendix E

E4 Groundwater Vapour Analysis

Lab Sample ID	Substitue GAC	Screening value	Units	Screening standard	Units	Limit of Detection - ALS analysis	Number of Exceedances										19507794
Client Sample No								BH206	BH209	BH209	BH210	BH213	BH214	BH214	BH214	BH223	BH228	BH228
Depth to Top								7.22	12.54	12.82	9.58	16.79	18.41	18.4	18.46	8.1	5.29	6.65
Depth to Bottom								8.15	12.54-13.35	13.33	not supplied	17.69	19.27	19.05	19.20	8.88	8.15	8.23
Date Sampled								15/08/2018	11/09/2018	08/10/2018	15/01/2019	16/08/2018	16/08/2018	12/09/2018	08/10/2018	15/01/2019	06/02/2019	07/03/2019
Sample Type								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Matrix Code																		
DDT		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
o,p-TDE (o,p-DDD)	DDT	n/a	µg/l	Default	µg/l	0.010	0	< 0.01	0.316		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
p,p-DDE		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT		n/a	µg/l	Default	µg/l	0.010	0	< 0.02	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.04	< 0.01	< 0.01
p,p-TDE (o,p-DDD)	DDT	n/a	µg/l	Default	µg/l	0.010	0	< 0.01	1.16		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Trifluralin		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Organonitrogen pesticides																		
Bentazone		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.5		< 0.01	< 0.01	< 0.01	< 0.5		< 0.01	< 0.1
Fluroxypyr		n/a	µg/l	Default	µg/l	0.020	0	< 0.02	< 0.02	< 1		< 0.02	< 0.02	0.045	< 1		< 0.02	< 0.2
Triclorpyr		n/a	µg/l	Default	µg/l	0.030	0	< 0.03	< 0.03	< 1.5		< 0.03	< 0.03	< 0.03	< 1.5		< 0.03	< 0.3
Organophosphorous pesticides																		
Azinphos-ethyl		n/a	µg/l	Default	µg/l	0.020	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.08	< 0.02	< 0.02	< 0.02	< 0.02
Azinphos-methyl		n/a	µg/l	Default	µg/l	0.020	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.16	< 0.02	< 0.02	< 0.02	< 0.02
Chlorfenvinphos		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01
Diazinon		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01
Dichlorvos		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01
Dimethoate		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01
E-mevinphos		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01
Z-Mevinphos		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01
Ethion		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01
Fenitrothion		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01
Fenthion		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01
Malathion		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-ethyl		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-methyl		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01
Phenylurea herbicides																		
Isoproturon		n/a	ng/l	Default	ng/l	10.000	0	< 100	< 100	< 10		< 100	< 100	< 100	< 10		< 10	< 0.01
Chlortoluron		n/a	ng/l	Default	ng/l	10.000	0	< 100	< 100	< 10		< 100	< 100	< 100	< 10		< 10	< 0.01
Diflubenzuron		n/a	ng/l	Default	ng/l	20.000	0	< 200	< 200	< 20		< 200	< 200	< 200	< 20		< 20	< 0.02
Diuron		n/a	ng/l	Default	ng/l	10.000	0	< 100	< 100	< 10		< 100	< 100	< 100	< 10		17	18
Linuron		n/a	ng/l	Default	ng/l	20.000	0	< 200	< 200	< 20		< 200	< 200	< 200	< 20		< 20	< 0.02
Methabenzthiazuron		n/a	ng/l	Default	ng/l	10.000	0	< 100	< 100	< 10		< 100	< 100	< 100	< 10		< 10	< 0.01
Monolinuron		n/a	ng/l	Default	ng/l	20.000	0	< 200	< 200	< 20		< 200	< 200	< 200	< 20		< 20	< 0.02
Monuron		n/a	ng/l	Default	ng/l	20.000	0	< 200	< 200	112		< 200	< 200	< 200	< 20		< 20	<20
VFAs																		
Acetic acid		n/a	mg/l	Default	mg/l	10.000	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Propanoic acid		n/a	mg/l	Default	mg/l	10.000	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Butyric acid		n/a	mg/l	Default	mg/l	10.000	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutyric acid		n/a	mg/l	Default	mg/l	10.000	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentanoic acid		n/a	mg/l	Default	mg/l	10.000	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isopentanoic acid		n/a	mg/l	Default	mg/l	10.000	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexanoic acid		n/a	mg/l	Default	mg/l	10.000	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heptanoic acid		n/a	mg/l	Default	mg/l	11.000	0	< 11	< 11		< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11
Pyrethroids																		
Cyfluthrin		n/a	µg/l	Default	µg/l	0.050	0	< 0.05	< 0.05	< 0.05	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 0.05	< 0.05
Cypermethrin		n/a	ng/l	Default	ng/l	50.000	0	< 50	< 50	< 50	< 1000	< 50	< 50	< 50	< 50	< 1000	< 50	< 0.05
Deltramethrin		n/a	µg/l	Default	µg/l	0.050	0	< 0.05	< 0.05	< 0.05	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 0.05	< 0.05
Permethrin		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Permethrin		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Organotins																		
Tributyltin compounds		n/a	ng/l	Default	ng/l	1.000	0	< 3	< 6	< 30		< 1	< 30	8.05	< 30		< 1	< 1
TPT (Triphenyl Tin)		n/a	ng/l	Default	ng/l	1.000	0	< 3	< 6	< 30		< 1	< 30	< 6	< 30		< 1	< 1
DBT (Dibutyl Tin)		n/a	ng/l	Default	ng/l	5.000	0	< 15	40	< 150		< 5	< 150	< 30	< 150		< 5	< 5
Chlorophenols																		
Pentachlorophenol		n/a	mg/l	Default	mg/l	0.001	0	< 0.001	< 0.008	< 0.01	< 0.02	< 0.001		< 0.008	< 0.01	< 0.05	< 0.001	< 1
Others																		
Bromoform		3.1	mg/l	Default	mg/l	0.001	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 1
Carbon Tetrachloride		5.3	mg/l	Default	mg/l	0.001	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	
Lambda-cyhalothrin		n/a	µg/l	Default	µg/l		0	< 0.05	< 0.05	< 0.05	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 0.05	
Methane		n/a	µg/l	Default	µg/l		0	2910	8760	1370		17200	4320	621	2330		4600	< 1

Compound	Notes
PFOA	PHE guidance details that both PFOS and PFOA are essentially non-volatile and general public would not be expected to be exposed via inhalation (Public Heath England – PFOS and PFOA Toxicological Overview (2009))
2,4,5-T **2,4,5-TP** **2,4-D** **Dichlorprop** **MCPA** **Mecoprop** **Fluroxypyr** **Trichlorpyr** **Diuron** **Monuron**	According to the Pesticide Properties Database- chemical has low volatility (https://sitem.herts.ac.uk/aeru/ppdb/en/atoz.htm)

Appendix E

E4 Groundwater Vapour Analysis

Lab Sample ID	Substitue GAC	Screening value	Units	Screening standard	Units	Limit of Detection - ALS analysis	Number of Exceedances							
														19507816
Client Sample No								BH231	BH231	BWS212	BWS212	BWS217	BWS217	WS224	WS224
Depth to Top								7.65	6.89	3.64	3.64	3.17	2.97	4.37	4.3
Depth to Bottom								8.0	8.0	4.45	4.46	4.95	4.95	4.91	4.93
Date Sampled								15/01/2019	06/02/2019	10/09/2018	08/10/2018	14/01/2019	07/02/2019	06/02/2019	07/03/2019
Sample Type								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Matrix Code															
Inorganics															
Organics															
General inorganics															
pH		n/a	pH units	Default	mg/l			7.14	7	7.44	7.54	7.95	8.02	7.8	7.75
Total Cyanide		n/a	µg/l	Default	µg/l	50.00	0	51	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Complex Cyanides		n/a	µg/l	Default	µg/l	50.00	0	51	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Free Cyanide		n/a	µg/l	Default	µg/l	50.00	0	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Thiocyanate as SCN		n/a	µg/l	Default	µg/l	50.00	0	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Sulphate as SO4		n/a	µg/l	Default	µg/l	2000.00	0	94300	155000	< 2000	5400	159000	239000	37000	30000
Sulphide		n/a	µg/l	Default	µg/l	10.00	0	< 10	< 10	360	524	< 10	< 10	155	149
Chloride		n/a	mg/l	Default	mg/l	2.00	0	174	928	286	313	295	262	135	125
Fluoride		n/a	µg/l	Default	µg/l	500.00	0	< 500	< 500	731	868	664	605	< 500	< 500
Ammoniacal Nitrogen as N		n/a	µg/l	Default	µg/l	200.00	0	3950	815	18900	19100	2110	1800	37200	25600
Nitrate as NO_3		n/a	mg/l	Default	mg/l	0.30	0	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	10.3	< 0.3	< 0.3
Nitrite as NO_2		n/a	µg/l	Default	µg/l	50.00	0	< 50	186	< 50	61	< 50	198	< 50	< 50
Alkalinity		n/a	mg/l	Default	mg/l	2.00	0	1470	259	759	654	160	165	585	545
Chemical Oxygen Demand (COD)		n/a	mg/l	Default	mg/l	7.00	0	2180	146	103	106	85.2	45.5	221	401
Biological Oxygen Demand (BOD)		n/a	mg/l	Default	mg/l	1.00	0	62.7	12.1	2.25	< 1.5	2.19	< 1	55	89.5
Total Oxidised N (Nitrate/-ite)		n/a	mg/l	Default	mg/l	0.10	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	2.4	< 0.1	< 0.1
Total Suspended Solids		n/a	mg/l	Default	mg/l	2.00	0	7880	717	402	150	569	160	141	112
Hardness - Total		n/a	mg/l	Default	mg/l	0.350	0	2130	902	1170	1040	527	879	2990	-
Bromide		n/a	mg/l	Default	mg/l	0.060	0	0.888	0.472	0.897	0.857	0.756	0.405	3.73	3.87
Bromate		n/a	mg/l	Default	mg/l	0.005	0		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0109	0.0171
Phenols															
Cresols	4-Methylphenol	n/a	µg/l	Default	µg/l	6	0	40	< 6	< 6	< 6	< 6	< 6	50	190
Isopropylphenol	Phenol	n/a	µg/l	Default	µg/l	6	0	< 6	< 6	< 6	< 6	< 6	< 6	< 6	550
Phenol		n/a	µg/l	Default	µg/l	2	0	40	< 2	< 2	< 2	< 2	< 2	20	30
Trimethylphenol	Phenol	n/a	µg/l	Default	µg/l	3	0	< 3	< 3	< 3	< 3	< 3	< 3	< 3	90
Speciated PAHs															
Naphthalene		23000	µg/l	Default	µg/l	0.01	0	76.1	72.9	1.13	0.0912	0.705	0.141		6710
Acenaphthylene		20000000	µg/l	Default	µg/l	0.005	0	1.45	0.674	0.173	0.0438	0.0432	0.628		< 0.5
Acenaphthene		15000000	µg/l	Default	µg/l	0.005	0	9.99	8.82	2.98	2.01	1.65	0.84		1210
Fluorene		18000000	µg/l	Default	µg/l	0.005	0	7.74	9.8	1.92	0.193	1.03	0.619		962
Phenanthrene		n/a	µg/l	Default	µg/l	0.005	0	31	26.9	3.08	0.101	1.31	3.88		4270
Anthracene		n/a	µg/l	Default	µg/l	0.005	0	8.28	5.74	0.952	0.0841	0.336	1.32		996
Fluoranthene		n/a	µg/l	Default	µg/l	0.005	0	41	31.9	7.05	1.37	1.44	10.6		3050
Pyrene		n/a	µg/l	Default	µg/l	0.005	0	34.8	24.4	5.98	1.16	1.19	9.83		2370
Benzo(a)anthracene		n/a	µg/l	Default	µg/l	0.005	0	11.9	5.98	2.99	0.378	0.402	4.87		691
Chrysene		n/a	µg/l	Default	µg/l	0.005	0	10.1	5.01	2.55	0.343	0.355	3.97		533
Benzo(b)fluoranthene		n/a	µg/l	Default	µg/l	0.005	0	12.5	10.9	6.23	0.447	0.654	9.23		769
Benzo(k)fluoranthene		n/a	µg/l	Default	µg/l	0.005	0	5.25	5.46	2.37	0.143	0.304	2.66		468
Benzo(a)pyrene		n/a	µg/l	Default	µg/l	0.002	0	10.8	7.99	4.4	0.323	0.509	7.24		644
Indeno(1,2,3-cd)pyrene		n/a	µg/l	Default	µg/l	0.005	0	5.97	4.29	2.61	0.199	0.292	5.24		264
Dibenzo(a,h)anthracene		n/a	µg/l	Default	µg/l	0.005	0	1.24	1.19	0.674	0.0424	0.0671	1.25		55.1
Benzo(g,h,i)perylene		n/a	µg/l	Default	µg/l	0.005	0	6.77	6.88	3.54	0.28	0.411	5.86		332
Heavy metals and metalloids															
Antimony		n/a	µg/l	Default	µg/l	1	0	1.94	2.95	< 1	< 1	< 1	< 1	1.06	< 1
Arsenic		n/a	µg/l	Default	µg/l	0.5	0	11	4.2	3.62	2.99	4.3	1.6	4.26	2.89
Barium		n/a	µg/l	Default	µg/l	0.2	0	338	243	486	487	71	86.1	204	239
Beryllium		n/a	µg/l	Default	µg/l	0.1	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron		n/a	µg/l	Default	µg/l	10	0	322	95.5	579	586	123	139	529	506
Cadmium >200mg/l $CaCO_3$		n/a	µg/l	Default	µg/l	0.08	0	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Calcium		n/a	mg/l	Default	mg/l	0.200	0	244	287	293	298	185	209	66.5	82.4
Chromium VI		n/a	µg/l	Default	µg/l	30.000	0	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 0.03
Chromium III		n/a	µg/l	Default	µg/l	30	0	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 0.03
Chromium Total		n/a	µg/l	Default	µg/l	1	0	1.4	< 1	2.59	1.38	< 1	< 1	1.88	2.82
Copper (bioavailable), DOC <1mg/l		n/a	µg/l	Default	µg/l	0.3	0	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Iron		n/a	mg/l	Default	mg/l	0.019	0	14.3	3.68	5.36	4.63	0.0345	0.0295	0.276	0.342
Lead		n/a	µg/l	Default	µg/l	0.2	0	4.38	0.407	< 0.2	< 0.2	< 0.2	0.201	< 0.2	< 0.2
Magnesium		n/a	mg/l	Default	mg/l	0.036	0	13.6	7.29	11.3	11.1	3.1	3.48	7.24	7.9
Manganese (bioavailable)		n/a	µg/l	Default	µg/l	3	0	2660	373	1240	1220	386	280	113	131
Mercury		n/a	µg/l	Default	µg/l	0.01	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Molybdenum		n/a	µg/l	Default	µg/l	3	0	6.07	7.06	< 3	< 3	11.4	10.5	9.18	4
Nickel >200 mg/l $CaCO_3$		n/a	µg/l	Default	µg/l	0.4	0	35.2	24.1	2.35	1.96	1.91	2	10.7	8.31
Potassium		n/a	mg/l	Default	mg/l	0.2	0	15.2	21.8	34.5	33.8	4.51	5.19	13.9	13
Selenium		n/a	µg/l	Default	µg/l	1	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium		n/a	mg/l	Default	mg/l	0.076	0	107	361	91.5	87.4	100	106	244	201
Vanadium		n/a	µg/l	Default	µg/l	1	0	3.2	3.33	2.68	2.46	< 1	< 1	1.9	1.83
Zinc >250 mg/l $CaCO_3$		n/a	µg/l	Default	µg/l	1	0	75.9	75	1.09	8.73	< 1	3.88	1.17	7.24
Monoaromatics															
Benzene		20000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	1.36	< 1	< 1	11	11.4
Toluene		21000000	µg/l	Default	µg/l	1.000	0	4.31	8.19	< 1	< 1	< 1	< 1	401	541
Ethylbenzene		960000	µg/l	Default	µg/l	1.000	0	26.4	10.3	< 1	< 1	< 1	< 1	415	364
Xylenes		940000	µg/l	Default	µg/l	2.000	0	129	71.5	8.6	7.14	< 2	< 2	3170	2280
MTBE		7800000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Petroleum hydrocarbons															
TPH >C5-C6 Aliphatics		190000	µg/l	Default	µg/l	10.000	0	< 10	< 10	< 10	< 10	< 10	< 10	14	18
TPH >C6-C8 Aliphatics		150000	µg/l	Default	µg/l	10.000	0	58	17	< 10	< 10	< 10	< 10	282	330
TPH >C8-C10 Aliphatics		5700	µg/l	Default	µg/l	10.000	0	568	176	< 10	< 10	< 10	< 10	3390	4120
TPH >C10-C12 Aliphatics		3600	µg/l	Default	µg/l	10.000	2	912	303	< 10	< 10	< 10	< 10	3640	4510
TPH >C12-C16 Aliphatics		n/a	µg/l	Default	µg/l	10.000	0	2460	4570	37	< 10	< 10	23		17700
TPH >C16-C21 Aliphatics		n/a	µg/l	Default	µg/l	10.000	0	10400	22400	124	< 10	73	216		74300
TPH >C21-C35 Aliphatics		n/a	µg/l	Default	µg/l	10.000	0	45400	99900	523	38	535	1820		329000
TPH-CWG - Aliphatic >C16 - C35		n/a	µg/l	Default	µg/l	10.000	0	55800	122000	647	38	608	2040		
C5-C35 Aliphatics		n/a	µg/l	Default	µg/l	-	0								545000
TPH >C5-C6 Aromatics		20000000	µg/l	Default	µg/l	10.000	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	11
TPH >C7-C8 Aromatics		21000000	µg/l	Default	µg/l	10.000	0	< 10	< 10	< 10	< 10	< 10	< 10	384	531
TPH >C8-C10 Aromatics		190000	µg/l	Default	µg/l	10.000	0	548	209	10	< 10	< 10	< 10	4240	5150

Compound	Notes
PFOA	PHE guidance details that both PFOS and PFOA are essentially non-volatile and general public would not be expected to be exposed via inhalation (Public Heath England – PFOS and PFOA Toxicological Overview (2009))
2,4,5-T 2,4,5-TP 2,4-D Dichlorprop MCPA Mecoprop Fluroxypyr Trichlorpyr Diuron Monuron	According to the Pesticide Properties Database- chemical has low volatility (https://sitem.herts.ac.uk/aeru/ppdb/en/atoz.htm)

Appendix E

E4 Groundwater Vapour Analysis

Lab Sample ID	Substitue GAC	Screening value	Units	Screening standard	Units	Limit of Detection - ALS analysis	Number of Exceedances							
														19507816
Client Sample No								BH231	BH231	BWS212	BWS212	BWS217	BWS217	WS224	WS224
Depth to Top								7.65	6.89	3.64	3.64	3.17	2.97	4.37	4.3
Depth to Bottom								8.0	8.0	4.45	4.46	4.95	4.95	4.91	4.93
Date Sampled								15/01/2019	06/02/2019	10/09/2018	08/10/2018	14/01/2019	07/02/2019	06/02/2019	07/03/2019
Sample Type								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Matrix Code															
TPH >C10-C12 Aromatics		660000	µg/l	Default	µg/l	10.000	0	608	202	< 10	< 10	< 10	< 10	2420	3010
TPH >C12-C16 Aromatics		3700000	µg/l	Default	µg/l	10.000	0	631	910	17	< 10	< 10	17		5760
TPH >C16-C21 Aromatics		n/a	µg/l	Default	µg/l	10.000	0	2170	3880	73	< 10	15	82		16300
TPH >C21-C35 Aromatics		n/a	µg/l	Default	µg/l	10.000	0	10000	19900	212	< 10	< 10	360		84200
VOCs															
Chloromethane		1400	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane		1000000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	3.04	3.63
Bromomethane	Bromodichloromethane	1600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Chloride		63	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	6.7	7.04
Trichlorofluoromethane	Bromodichloromethane	1600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene		16000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cis-1,2 Dichloroethene		13000	µg/l	Default	µg/l	1.000	0	1.55	2.06	< 1	< 1	< 1	< 1	7.15	12.8
MTBE		7800000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1 -Dichloroethane		260000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane	1,2-Dichloropropane	2600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloromethane		85000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane		290000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane		850	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	1,2-Dichloropropane	2600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,2 Dichloroethene		16000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene		20000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	1.36	< 1	< 1	11	11.4
Tetrachloromethane		770	µg/l	Default	µg/l	-	0								< 1
1,2-Dichloropropane		2600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene		530	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	Dichloromethane	370,000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane		1600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cis-1,3 Dichloropropene	1,2-Dichloropropane	2600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3 Dichloropropene	1,2-Dichloropropane	2600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene		21000000	µg/l	Default	µg/l	1.000	0	4.31	8.19	< 1	< 1	< 1	< 1	401	541
1,1,2-Trichloroethane		49000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	1,2-Dichloropropane	2600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	Dichloromethane	370000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene		4600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	1,2-Dichloroethane	850	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene		15000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane		22000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene		960000	µg/l	Default	µg/l	1.000	0	26.4	10.3	< 1	< 1	< 1	< 1	415	364
m,p-Xylenes		940000	µg/l	Default	µg/l	1.000	0	108	57.9	8.6	7.14	< 1	< 1	2870	1950
Styrene		8800	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene		1100000	µg/l	Default	µg/l	1.000	0	21.4	13.6	< 1	< 1	< 1	< 1	301	325
1,1,2,2-Tetrachloroethane		150000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Iso-propylbenzene		86000	µg/l	Default	µg/l	1.000	0	2.35	< 1	< 1	< 1	< 1	< 1	16.7	12.1
Bromobenzene		20000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Propylbenzene		240000	µg/l	Default	µg/l	1.000	0	7.27	1.32	< 1	< 1	< 1	< 1	61.3	41.2
2-Chlorotoluene		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Chlorotoluene		n/a	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5 Trimethylbenzene	1,2,4-TrimethylBenzene	2200	µg/l	Default	µg/l	1.000	0	69.2	34.8	< 1	< 1	< 1	< 1	500	410
tert-Butylbenzene	Benzene	20000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4 Trimethylbenzene		2200	µg/l	Default	µg/l	1.000	2	173	64.8	2.85	1.97	< 1	< 1	4490	3040
sec-Butylbenzene	Benzene	20000	µg/l	Default	µg/l	1.000	0	2.2	< 1	< 1	< 1	< 1	< 1	12.3	8.37
1,3 Dichlorobenzene		2800	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene	Benzene	20000	µg/l	Default	µg/l	1.000	0	1.85	< 1	2.11	2.03	< 1	< 1	11.1	9.24
1,2-Dichlorobenzene		220000	µg/l	Default	µg/l	1.000	0	2.66	< 1	< 1	< 1	< 1	< 1	15.9	13.7
1,4 Dichlorobenzene		460000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2.65
n-Butylbenzene	Benzene	20000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	45.9	< 1
1,2-Dibromo-3-chloropropane	Benzene	20000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene		7200	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene		230	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene		3100	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	1,2-Dichloropropane	2600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trichlorobenzene		660	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	Bromodichloromethane	1600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichloromethane		370000	µg/l	Default	µg/l	3.000	0	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Carbon disulphide		5600	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	Dichloromethane	370000	µg/l	Default	µg/l	1.000	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
SVOCs															
Phenol		n/a	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
2-Chlorophenol		n/a	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
Bis(2-chloroethyl)ether		n/a	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
2-Methylphenol		n/a	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
Hexachloroethane		740	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
Nitrobenzene	Benzene	20000	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
4-Methylphenol		n/a	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
Isophorone	Benzene	20000	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
2-Nitrophenol		n/a	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
2,4-Dimethylphenol		n/a	µg/l	Default	µg/l	1.000	0	10.7	< 1	< 5	< 50	< 2	< 4	22.4	< 100
Bis(2-chloroethoxy)methane		n/a	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
2,4-Dichlorophenol		n/a	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
4-Chloro-3-methylphenol	2-chloronaphthalene	14000	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
2,4,6-trichlorophenol		n/a	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
2,4,5-Trichlorophenol	2,4,6-trichlorophenol	n/a	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
2-Methylnaphthalene	naphthalene	23000	µg/l	Default	µg/l	1.000	0	46.5	< 1	< 5	< 50	< 2	< 4	< 10	< 100
2-Chloronaphthalene		14000	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
Dimethylphthalate		n/a	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
2,6-Dinitrotoluene		n/a	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
2,4-Dinitrotoluene		n/a	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
Dibenzofuran	Benzene	20000	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100

Compound	Notes
PFOA	PHE guidance details that both PFOS and PFOA are essentially non-volatile and general public would not be expected to be exposed via inhalation (Public Heath England – PFOS and PFOA Toxicological Overview (2009))
2,4,5-T 2,4,5-TP 2,4-D Dichlorprop MCPA Mecoprop Fluroxypyr Trichlorpyr Diuron Monuron	According to the Pesticide Properties Database- chemical has low volatility (https://sitem.herts.ac.uk/aeru/ppdb/en/atoz.htm)

Appendix E

E4 Groundwater Vapour Analysis

Lab Sample ID	Substitue GAC	Screening value	Units	Screening standard	Units	Limit of Detection - ALS analysis	Number of Exceedances							
														19507816
Client Sample No								BH231	BH231	BWS212	BWS212	BWS217	BWS217	WS224	WS224
Depth to Top								7.65	6.89	3.64	3.64	3.17	2.97	4.37	4.3
Depth to Bottom								8.0	8.0	4.45	4.46	4.95	4.95	4.91	4.93
Date Sampled								15/01/2019	06/02/2019	10/09/2018	08/10/2018	14/01/2019	07/02/2019	06/02/2019	07/03/2019
Sample Type								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Matrix Code															
Diethyl phthalate		n/a	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
Bromophenyl phenyl ether		n/a	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
Hexachlorobenzene		1400	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
Phenanthrene		n/a	µg/l	Default	µg/l	0.005	0	31	26.9	3.08	0.101	1.31	3.88		4270
Carbazole	Benzene	20000	µg/l	Default	µg/l	1.000	0	12.6	< 1	< 5	< 50	< 2	< 4	< 10	< 100
Di-n-butyl phthalate		n/a	µg/l	Default	µg/l	1.000	0	2790	24.5	< 5	< 50	< 2	< 4	< 10	< 100
Butyl benzyl phthalate		n/a	µg/l	Default	µg/l	1.000	0	10500	101	< 5	< 50	< 2	< 4	47.5	< 100
PCBs by GC-ECD - WHO 12															
PCB Congener 77		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 81		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 105		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 114		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 118		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 123		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 126		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 156		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 157		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 167		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 169		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 189		n/a	µg/l	Default	µg/l	0.015	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
Environmental Forensics															
PFOS		n/a	µg/l	Default	µg/l	0.100	0	1.02	0.125	0.0297	0.0293	0.0615	0.0543	0.115	1.73
PFOA		n/a	µg/l	Default	µg/l	0.065	0	< 0.0325	0.00639	0.00756	0.00939	0.0213	0.0136	0.014	0.0199
Chloroxuron		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.1	< 0.01	< 0.01	< 0.01	< 0.1	< 0.1
Chlorpropham		n/a	µg/l	Default	µg/l	0.050	0		< 0.05	< 0.5	< 0.05	< 0.05	< 0.05	< 0.5	< 0.5
Ethiofencarb		n/a	µg/l	Default	µg/l	0.020	0		< 0.02	< 0.2	< 0.02	< 0.02	< 0.02	< 0.2	< 0.2
Propham		n/a	µg/l	Default	µg/l	0.050	0		< 0.05	< 0.5	< 0.05	< 0.05	< 0.05	< 0.5	< 0.5
Dimefuron		n/a	µg/l	Default	µg/l	0.020	0		< 0.02	< 0.2	< 0.02	< 0.02	< 0.02	< 0.2	< 0.2
Metoxuron		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.1	< 0.01	< 0.01	< 0.01	< 0.1	< 0.1
Pencycuron		n/a	µg/l	Default	µg/l	0.020	0		< 0.02	< 0.2	< 0.02	< 0.02	< 0.02	< 0.2	< 0.2
o,p-Methoxychlor		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Demeton-s-methyl		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Diclofop		n/a	µg/l	Default	µg/l	0.020	0		< 0.02	< 0.02	< 1	< 0.02	< 0.02	< 0.02	< 0.2
Cyhalothrin		n/a	µg/l	Default	µg/l	0.050	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Atrazine-methoxy		n/d	µg/l	Default	µg/l	-	0								< 0.01
Bromacil		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.1	< 0.01	< 0.01	< 0.01	< 0.1	< 0.1
4-Nitrophenol		n/a	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
Hexachlorocyclopentadiene	Chlorobenzene	15000	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
n-Nitroso-n-dipropylamine	1,2-Dichloropropane	2600	µg/l	Default	µg/l	1.000	0	< 10	< 1	< 5	< 50	< 2	< 4	< 10	< 100
Carbamates															
Pirimicarb		n/a	ng/l	Default	ng/l	10.000	0		< 10	< 100	< 10	< 10	< 10	< 100	< 0.1
Carbetamide		n/a	ng/l	Default	ng/l	100.000	0		< 100	< 100	< 100	< 100	< 100	< 100	< 0.1
Phthalates															
Bis(2-ethylhexyl)phthalate		n/a	µg/l	Default	µg/l	2.000	0	235	6.79	< 10	< 100	< 4	< 8	< 20	< 200
Di-n-octyl phthalate		n/a	µg/l	Default	µg/l	5.000	0	< 50	< 5	< 25	< 250	< 10	< 20	< 50	< 500
Glycols															
Rodenticides															
Triazine Pesticides															
Atrazine		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Simazine		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Prometryn		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1
Propazine		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1
Terbuthylazine		n/d	µg/l	Default	µg/l	-	0								
Terbutryn		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1
Acid herbicides esters															
Acid Herbicides															
2,3,6-TBA		n/a	µg/l	Default	µg/l	0.100	0		< 1	< 5	< 100	< 1	< 1	< 1	< 10
Benazolin		n/a	µg/l	Default	µg/l	0.050	0		< 0.05	< 0.05	< 2.5	< 0.05	< 0.05	< 0.05	< 0.5
Bromoxynil		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 0.1
Clopyralid		n/a	µg/l	Default	µg/l	0.030	0		< 0.03	< 0.3	< 1.5	< 0.03	< 0.03	< 0.03	< 0.3
Ioxynil		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 0.1
2,4,5-T		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.01	< 0.5	< 0.01	< 0.01	0.016	< 0.1
2,4,5-TP		n/a	µg/l	Default	µg/l	0.010	0		< 0.1	< 0.01	< 0.5	< 0.1	< 0.1	< 0.1	< 0.1
2,4-D		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.01	< 0.5	< 0.01	< 0.01	0.064	< 0.1
2,4-DB		n/a	µg/l	Default	µg/l	0.020	0		< 0.02	< 0.02	< 1	< 0.02	< 0.02	< 0.02	< 0.2
Dicamba		n/a	µg/l	Default	µg/l	0.030	0		< 0.03	< 0.03	< 1.5	< 0.03	< 0.03	< 0.03	< 0.3
Dichlorprop		n/a	µg/l	Default	µg/l	0.010	0		0.015	< 0.01	< 0.5	< 0.01	< 0.01	0.363	0.219
MCPA		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.01	< 0.5	< 0.01	< 0.01	0.037	< 0.1
MCPB		n/a	µg/l	Default	µg/l	0.020	0		< 0.02	< 0.02	< 1	< 0.02	< 0.02	< 0.2	< 0.2
Mecoprop		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	0.045	< 0.5	0.094	0.032	0.254	0.132
Picloram		n/a	µg/l	Default	µg/l	0.020	0		< 0.02	< 0.2	< 1	< 0.2	< 0.02	< 0.02	< 0.2
4-Chlorophenoxyacetic acid		n/d	µg/l	Default	µg/l	-	0								
Organochlorine Pesticides															
Aldrin		3700	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
alpha-HCH (alpha-BHC)		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
beta-HCH (beta-BHC)		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
delta-HCH (delta-BHC)		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Dieldrin		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Endosulfan		590000	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Endosulfan		600000	µg/l	Default	µg/l	0.020	0		< 0.02	< 0.4	< 0.04	< 0.02	< 0.02	< 0.02	< 0.4
Endosulfan Sulphate		n/a	µg/l	Default	µg/l	0.020	0		< 0.02	< 0.4	< 0.04	< 0.02	< 0.02	< 0.02	< 0.4
Endrin		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
gamma-HCH (gamma-BHC)		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Heptachlor		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Heptachlor Epoxide		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Isodrin		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Methoxychlor		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
o,p-DDE		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2

Compound	Notes
PFOA	PHE guidance details that both PFOS and PFOA are essentially non-volatile and general public would not be expected to be exposed via inhalation (Public Heath England – PFOS and PFOA Toxicological Overview (2009))
2,4,5-T 2,4,5-TP 2,4-D Dichlorprop MCPA Mecoprop Fluroxypyr Trichlorpyr Diuron Monuron	According to the Pesticide Properties Database- chemical has low volatility (https://sitem.herts.ac.uk/aeru/ppdb/en/atoz.htm)

Appendix E

E4 Groundwater Vapour Analysis

Lab Sample ID	Substitue GAC	Screening value	Units	Screening standard	Units	Limit of Detection - ALS analysis	Number of Exceedances							
														19507816
Client Sample No								BH231	BH231	BWS212	BWS212	BWS217	BWS217	WS224	WS224
Depth to Top								7.65	6.89	3.64	3.64	3.17	2.97	4.37	4.3
Depth to Bottom								8.0	8.0	4.45	4.46	4.95	4.95	4.91	4.93
Date Sampled								15/01/2019	06/02/2019	10/09/2018	08/10/2018	14/01/2019	07/02/2019	06/02/2019	07/03/2019
Sample Type								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Matrix Code															
DDT		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
o,p-TDE (o,p-DDD)	DDT	n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
p,p-DDE		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
DDT		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
p,p-TDE (o,p-DDD)	DDT	n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Trifluralin		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Organonitrogen pesticides															
Bentazone		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 0.1
Fluroxypyr		n/a	µg/l	Default	µg/l	0.020	0		< 0.02	< 0.02	< 1	< 0.02	< 0.02	0.034	< 0.2
Triclorpyr		n/a	µg/l	Default	µg/l	0.030	0		< 0.03	< 0.03	< 1.5	< 0.03	< 0.03	0.089	< 0.3
Organophosphorous pesticides															
Azinphos-ethyl		n/a	µg/l	Default	µg/l	0.020	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Azinphos-methyl		n/a	µg/l	Default	µg/l	0.020	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chlorfenvinphos		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Diazinon		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.2
Dichlorvos		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dimethoate		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
E-mevinphos		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Z-Mevinphos		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethion		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenitrothion		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenthion		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Malathion		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-ethyl		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-methyl		n/a	µg/l	Default	µg/l	0.010	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenylurea herbicides															
Isoproturon		n/a	ng/l	Default	ng/l	10.000	0		< 10	< 100	< 10	< 10	< 10	< 100	< 0.1
Chlortoluron		n/a	ng/l	Default	ng/l	10.000	0		< 10	< 100	< 10	< 10	< 10	< 100	< 0.1
Diflubenzuron		n/a	ng/l	Default	ng/l	20.000	0		< 20	< 200	< 20	< 20	< 20	< 200	< 0.2
Diuron		n/a	ng/l	Default	ng/l	10.000	0		29	< 100	15	130	86	< 100	<100
Linuron		n/a	ng/l	Default	ng/l	20.000	0		< 20	< 200	< 20	< 20	< 20	< 200	< 0.2
Methabenzthiazuron		n/a	ng/l	Default	ng/l	10.000	0		< 10	< 100	< 10	< 10	< 10	< 100	< 0.1
Monolinuron		n/a	ng/l	Default	ng/l	20.000	0		< 20	< 200	< 20	< 20	< 20	< 200	< 0.2
Monuron		n/a	ng/l	Default	ng/l	20.000	0		< 20	205	225	86	54	< 200	<200
VFAs															
Acetic acid		n/a	mg/l	Default	mg/l	10.000	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Propanoic acid		n/a	mg/l	Default	mg/l	10.000	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Butyric acid		n/a	mg/l	Default	mg/l	10.000	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutyric acid		n/a	mg/l	Default	mg/l	10.000	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentanoic acid		n/a	mg/l	Default	mg/l	10.000	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isopentanoic acid		n/a	mg/l	Default	mg/l	10.000	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexanoic acid		n/a	mg/l	Default	mg/l	10.000	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heptanoic acid		n/a	mg/l	Default	mg/l	11.000	0	< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11
Pyrethroids															
Cyfluthrin		n/a	µg/l	Default	µg/l	0.050	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Cypermethrin		n/a	ng/l	Default	ng/l	50.000	0	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 0.05
Deltramethrin		n/a	µg/l	Default	µg/l	0.050	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Permethrin		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Permethrin		n/a	µg/l	Default	µg/l	0.010	0		< 0.01	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Organotins															
Tributyltin compounds		n/a	ng/l	Default	ng/l	1.000	0		< 6	4.52	5.49	< 1	32.4		355
TPT (Triphenyl Tin)		n/a	ng/l	Default	ng/l	1.000	0		< 6	< 1	< 1	< 1	< 6		< 6
DBT (Dibutyl Tin)		n/a	ng/l	Default	ng/l	5.000	0		< 30	< 5	< 5	< 5	< 30		240
Chlorophenols															
Pentachlorophenol		n/a	mg/l	Default	mg/l	0.001	0	< 0.01	< 0.001	< 0.005	< 0.05	< 0.002	< 0.004	< 0.01	< 100
Others															
Bromoform		3.1	mg/l	Default	mg/l	0.001	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 1
Carbon Tetrachloride		5.3	mg/l	Default	mg/l	0.001	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	
Lambda-cyhalothrin		n/a	µg/l	Default	µg/l		0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Methane		n/a	µg/l	Default	µg/l		0		4580	20900	22100	173	1.07	17900	15500

Compound	Notes
PFOA	PHE guidance details that both PFOS and PFOA are essentially non-volatile and general public would not be expected to be exposed via inhalation (Public Heath England – PFOS and PFOA Toxicological Overview (2009))
2,4,5-T **2,4,5-TP** **2,4-D** **Dichlorprop** **MCPA** **Mecoprop** **Fluroxypyr** **Trichlorpyr** **Diuron** **Monuron**	According to the Pesticide Properties Database- chemical has low volatility (https://sitem.herts.ac.uk/aeru/ppdb/en/atoz.htm)

Appendix E

E5 PCB Sheets

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

This worksheet should be used only in conjunction with *Soil Guideline Values for dioxins, furans and dioxin-like PCBs in soil, Science Report SC050021 / Dioxins SGV*

For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	9.06E-01	x	4.75E-04	x	1	=	4.31E-04	14.9
1,2,3,7,8-PeCDD	1.31E+00	x	4.75E-04	x	1	=	6.23E-04	21.5
1,2,3,4,7,8-HxCDD	1.15E+00	x	4.75E-04	x	0.1	=	5.47E-05	1.9
1,2,3,6,7,8-HxCDD	2.30E+00	x	4.75E-04	x	0.1	=	1.09E-04	3.8
1,2,3,7,8,9-HxCDD	1.94E+00	x	4.75E-04	x	0.1	=	9.22E-05	3.2
1,2,3,4,6,7,8-HpCDD	2.78E+01	x	4.75E-04	x	0.01	=	1.32E-04	4.6
OCDD	1.91E+02	x	4.75E-04	x	0.0003	=	2.72E-05	0.9
2,3,7,8-TCDF	2.28E+00	x	4.75E-04	x	0.1	=	1.08E-04	3.7
1,2,3,7,8-PeCDF	2.25E+00	x	4.75E-04	x	0.03	=	3.21E-05	1.1
2,3,4,7,8-PeCDF	2.85E+00	x	4.75E-04	x	0.3	=	4.06E-04	14.1
1,2,3,4,7,8-HxCDF	3.88E+00	x	4.75E-04	x	0.1	=	1.84E-04	6.4
1,2,3,7,8,9-HxCDF	2.55E-01	x	4.75E-04	x	0.1	=	1.21E-05	0.4
1,2,3,6,7,8-HxCDF	3.13E+00	x	4.75E-04	x	0.1	=	1.49E-04	5.1
2,3,4,6,7,8-HxCDF	3.96E+00	x	4.75E-04	x	0.1	=	1.88E-04	6.5
1,2,3,4,6,7,8-HpCDF	1.57E+01	x	4.75E-04	x	0.01	=	7.46E-05	2.6
1,2,3,4,7,8,9-HpCDF	1.31E+00	x	4.75E-04	x	0.01	=	6.23E-06	0.2
OCDF	8.59E+00	x	4.75E-04	x	0.0003	=	1.22E-06	0.0
PCB-77	3.76E+01	x	5.57E-04	x	0.0001	=	2.09E-06	0.1
PCB-81	2.17E+00	x	5.57E-04	x	0.0003	=	3.63E-07	0.0
PCB-126	4.12E+00	x	5.57E-04	x	0.1	=	2.30E-04	7.9
PCB-169	1.30E+00	x	5.57E-04	x	0.03	=	2.17E-05	0.8
PCB-105	1.01E+02	x	5.57E-04	x	0.00003	=	1.69E-06	0.1
PCB-114	5.49E+00	x	5.57E-04	x	0.00003	=	9.17E-08	0.0
PCB-118	2.09E+02	x	5.57E-04	x	0.00003	=	3.49E-06	0.1
PCB-123	8.65E+00	x	5.57E-04	x	0.00003	=	1.45E-07	0.0
PCB-156	3.65E+01	x	5.57E-04	x	0.00003	=	6.10E-07	0.0
PCB-157	8.46E+00	x	5.57E-04	x	0.00003	=	1.41E-07	0.0
PCB-167	1.79E+01	x	5.57E-04	x	0.00003	=	2.99E-07	0.0
PCB-189	8.73E+00	x	5.57E-04	x	0.00003	=	1.46E-07	0.0

Total WHO-TEQ ADE	**2.89E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.00**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

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For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	0.00E+00	x	4.75E-04	x	1	=		#VALUE!
1,2,3,7,8-PeCDD	2.01E+00	x	4.75E-04	x	1	=	9.55E-04	1.0
1,2,3,4,7,8-HxCDD	2.53E+00	x	4.75E-04	x	0.1	=	1.20E-04	0.1
1,2,3,6,7,8-HxCDD	1.28E+01	x	4.75E-04	x	0.1	=	6.08E-04	0.7
1,2,3,7,8,9-HxCDD	8.53E+00	x	4.75E-04	x	0.1	=	4.05E-04	0.4
1,2,3,4,6,7,8-HpCDD	5.70E+02	x	4.75E-04	x	0.01	=	2.71E-03	2.9
OCDD	4.61E+03	x	4.75E-04	x	0.0003	=	6.57E-04	0.7
2,3,7,8-TCDF	9.99E+00	x	4.75E-04	x	0.1	=	4.75E-04	0.5
1,2,3,7,8-PeCDF	3.94E+00	x	4.75E-04	x	0.03	=	5.62E-05	0.1
2,3,4,7,8-PeCDF	6.66E+00	x	4.75E-04	x	0.3	=	9.50E-04	1.0
1,2,3,4,7,8-HxCDF	8.20E+00	x	4.75E-04	x	0.1	=	3.90E-04	0.4
1,2,3,7,8,9-HxCDF	5.15E+00	x	4.75E-04	x	0.1	=	2.45E-04	0.3
1,2,3,6,7,8-HxCDF	6.97E+00	x	4.75E-04	x	0.1	=	3.31E-04	0.4
2,3,4,6,7,8-HxCDF	3.41E-01	x	4.75E-04	x	0.1	=	1.62E-05	0.0
1,2,3,4,6,7,8-HpCDF	9.62E+01	x	4.75E-04	x	0.01	=	4.57E-04	0.5
1,2,3,4,7,8,9-HpCDF	6.33E+00	x	4.75E-04	x	0.01	=	3.01E-05	0.0
OCDF	1.14E+02	x	4.75E-04	x	0.0003	=	1.63E-05	0.0
PCB-77	1.67E+05	x	5.57E-04	x	0.0001	=	9.30E-03	10.1
PCB-81	6.83E+03	x	5.57E-04	x	0.0003	=	1.14E-03	1.2
PCB-126	1.21E+03	x	5.57E-04	x	0.1	=	6.74E-02	73.1
PCB-169	6.41E+00	x	5.57E-04	x	0.03	=	1.07E-04	0.1
PCB-105	1.34E+05	x	5.57E-04	x	0.00003	=	2.24E-03	2.4
PCB-114	9.89E+03	x	5.57E-04	x	0.00003	=	1.65E-04	0.2
PCB-118	1.85E+05	x	5.57E-04	x	0.00003	=	3.09E-03	3.4
PCB-123	4.66E+03	x	5.57E-04	x	0.00003	=	7.79E-05	0.1
PCB-156	1.15E+04	x	5.57E-04	x	0.00003	=	1.92E-04	0.2
PCB-157	2.55E+03	x	5.57E-04	x	0.00003	=	4.26E-05	0.0
PCB-167	3.00E+03	x	5.57E-04	x	0.00003	=	5.01E-05	0.1
PCB-189	9.50E+02	x	5.57E-04	x	0.00003	=	1.59E-05	0.0

Total WHO-TEQ ADE	**9.23E-02**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.07**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

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For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	1.79E+00	x	4.75E-04	x	1	=	8.51E-04	3.1
1,2,3,7,8-PeCDD	6.08E+00	x	4.75E-04	x	1	=	2.89E-03	10.7
1,2,3,4,7,8-HxCDD	8.36E+00	x	4.75E-04	x	0.1	=	3.97E-04	1.5
1,2,3,6,7,8-HxCDD	3.53E+01	x	4.75E-04	x	0.1	=	1.68E-03	6.2
1,2,3,7,8,9-HxCDD	2.60E+01	x	4.75E-04	x	0.1	=	1.24E-03	4.6
1,2,3,4,6,7,8-HpCDD	2.08E+03	x	4.75E-04	x	0.01	=	9.89E-03	36.5
OCDD	1.10E+04	x	4.75E-04	x	0.0003	=	1.57E-03	5.8
2,3,7,8-TCDF	1.06E+01	x	4.75E-04	x	0.1	=	5.04E-04	1.9
1,2,3,7,8-PeCDF	7.12E+00	x	4.75E-04	x	0.03	=	1.02E-04	0.4
2,3,4,7,8-PeCDF	1.23E+01	x	4.75E-04	x	0.3	=	1.75E-03	6.5
1,2,3,4,7,8-HxCDF	1.72E+01	x	4.75E-04	x	0.1	=	8.18E-04	3.0
1,2,3,7,8,9-HxCDF	1.62E+01	x	4.75E-04	x	0.1	=	7.70E-04	2.8
1,2,3,6,7,8-HxCDF	1.47E+01	x	4.75E-04	x	0.1	=	6.99E-04	2.6
2,3,4,6,7,8-HxCDF	1.62E+01	x	4.75E-04	x	0.1	=	7.70E-04	2.8
1,2,3,4,6,7,8-HpCDF	2.52E+02	x	4.75E-04	x	0.01	=	1.20E-03	4.4
1,2,3,4,7,8,9-HpCDF	9.92E+00	x	4.75E-04	x	0.01	=	4.71E-05	0.2
OCDF	1.27E+02	x	4.75E-04	x	0.0003	=	1.81E-05	0.1
PCB-77	6.19E+02	x	5.57E-04	x	0.0001	=	3.45E-05	0.1
PCB-81	2.40E+01	x	5.57E-04	x	0.0003	=	4.01E-06	0.0
PCB-126	2.76E+01	x	5.57E-04	x	0.1	=	1.54E-03	5.7
PCB-169	5.35E+00	x	5.57E-04	x	0.03	=	8.94E-05	0.3
PCB-105	3.29E+03	x	5.57E-04	x	0.00003	=	5.50E-05	0.2
PCB-114	1.89E+02	x	5.57E-04	x	0.00003	=	3.16E-06	0.0
PCB-118	9.00E+03	x	5.57E-04	x	0.00003	=	1.50E-04	0.6
PCB-123	2.11E+02	x	5.57E-04	x	0.00003	=	3.53E-06	0.0
PCB-156	1.15E+03	x	5.57E-04	x	0.00003	=	1.92E-05	0.1
PCB-157	2.23E+02	x	5.57E-04	x	0.00003	=	3.73E-06	0.0
PCB-167	4.37E+02	x	5.57E-04	x	0.00003	=	7.30E-06	0.0
PCB-189	8.76E+01	x	5.57E-04	x	0.00003	=	1.46E-06	0.0

Total WHO-TEQ ADE	**2.71E-02**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.02**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

This worksheet should be used only in conjunction with *Soil Guideline Values for dioxins, furans and dioxin-like PCBs in soil, Science Report SC050021 / Dioxins SGV*

For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	1.19E+00	x	4.75E-04	x	1	=	5.66E-04	5.9
1,2,3,7,8-PeCDD	1.82E+00	x	4.75E-04	x	1	=	8.65E-04	9.0
1,2,3,4,7,8-HxCDD	1.73E+00	x	4.75E-04	x	0.1	=	8.22E-05	0.9
1,2,3,6,7,8-HxCDD	2.06E+01	x	4.75E-04	x	0.1	=	9.79E-04	10.2
1,2,3,7,8,9-HxCDD	1.17E+01	x	4.75E-04	x	0.1	=	5.56E-04	5.8
1,2,3,4,6,7,8-HpCDD	1.52E+02	x	4.75E-04	x	0.01	=	7.22E-04	7.5
OCDD	1.15E+03	x	4.75E-04	x	0.0003	=	1.64E-04	1.7
2,3,7,8-TCDF	1.19E+00	x	4.75E-04	x	0.1	=	5.66E-05	0.6
1,2,3,7,8-PeCDF	1.79E+00	x	4.75E-04	x	0.03	=	2.55E-05	0.3
2,3,4,7,8-PeCDF	1.74E+00	x	4.75E-04	x	0.3	=	2.48E-04	2.6
1,2,3,4,7,8-HxCDF	3.55E+00	x	4.75E-04	x	0.1	=	1.69E-04	1.8
1,2,3,7,8,9-HxCDF	2.58E-01	x	4.75E-04	x	0.1	=	1.23E-05	0.1
1,2,3,6,7,8-HxCDF	4.52E+01	x	4.75E-04	x	0.1	=	2.15E-03	22.4
2,3,4,6,7,8-HxCDF	3.41E+01	x	4.75E-04	x	0.1	=	1.62E-03	16.9
1,2,3,4,6,7,8-HpCDF	4.52E+01	x	4.75E-04	x	0.01	=	2.15E-04	2.2
1,2,3,4,7,8,9-HpCDF	4.76E+00	x	4.75E-04	x	0.01	=	2.26E-05	0.2
OCDF	4.37E+01	x	4.75E-04	x	0.0003	=	6.23E-06	0.1
PCB-77	4.99E+02	x	5.57E-04	x	0.0001	=	2.78E-05	0.3
PCB-81	1.65E+01	x	5.57E-04	x	0.0003	=	2.76E-06	0.0
PCB-126	1.76E+01	x	5.57E-04	x	0.1	=	9.80E-04	10.2
PCB-169	1.53E+00	x	5.57E-04	x	0.03	=	2.56E-05	0.3
PCB-105	1.20E+03	x	5.57E-04	x	0.00003	=	2.01E-05	0.2
PCB-114	7.56E+01	x	5.57E-04	x	0.00003	=	1.26E-06	0.0
PCB-118	2.84E+03	x	5.57E-04	x	0.00003	=	4.75E-05	0.5
PCB-123	8.54E+01	x	5.57E-04	x	0.00003	=	1.43E-06	0.0
PCB-156	5.49E+02	x	5.57E-04	x	0.00003	=	9.17E-06	0.1
PCB-157	8.60E+01	x	5.57E-04	x	0.00003	=	1.44E-06	0.0
PCB-167	6.25E+01	x	5.57E-04	x	0.00003	=	1.04E-06	0.0
PCB-189	6.25E+01	x	5.57E-04	x	0.00003	=	1.04E-06	0.0

Total WHO-TEQ ADE	**9.58E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.01**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

This worksheet should be used only in conjunction with *Soil Guideline Values for dioxins, furans and dioxin-like PCBs in soil, Science Report SC050021 / Dioxins SGV*

For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	0.00E+00	x	4.75E-04	x	1	=		#VALUE!
1,2,3,7,8-PeCDD	6.06E-01	x	4.75E-04	x	1	=	2.88E-04	16.5
1,2,3,4,7,8-HxCDD	4.24E-01	x	4.75E-04	x	0.1	=	2.02E-05	1.2
1,2,3,6,7,8-HxCDD	1.94E+00	x	4.75E-04	x	0.1	=	9.22E-05	5.3
1,2,3,7,8,9-HxCDD	1.19E+00	x	4.75E-04	x	0.1	=	5.66E-05	3.2
1,2,3,4,6,7,8-HpCDD	2.63E+01	x	4.75E-04	x	0.01	=	1.25E-04	7.2
OCDD	2.88E+02	x	4.75E-04	x	0.0003	=	4.11E-05	2.4
2,3,7,8-TCDF	1.09E+00	x	4.75E-04	x	0.1	=	5.18E-05	3.0
1,2,3,7,8-PeCDF	1.04E+00	x	4.75E-04	x	0.03	=	1.48E-05	0.8
2,3,4,7,8-PeCDF	1.40E+00	x	4.75E-04	x	0.3	=	2.00E-04	11.4
1,2,3,4,7,8-HxCDF	1.40E+00	x	4.75E-04	x	0.1	=	6.65E-05	3.8
1,2,3,7,8,9-HxCDF	1.02E-01	x	4.75E-04	x	0.1	=	4.85E-06	0.3
1,2,3,6,7,8-HxCDF	1.04E+01	x	4.75E-04	x	0.1	=	4.94E-04	28.3
2,3,4,6,7,8-HxCDF	1.44E+00	x	4.75E-04	x	0.1	=	6.84E-05	3.9
1,2,3,4,6,7,8-HpCDF	1.04E+01	x	4.75E-04	x	0.01	=	4.94E-05	2.8
1,2,3,4,7,8,9-HpCDF	6.44E-01	x	4.75E-04	x	0.01	=	3.06E-06	0.2
OCDF	1.30E+01	x	4.75E-04	x	0.0003	=	1.85E-06	0.1
PCB-77	5.37E+01	x	5.57E-04	x	0.0001	=	2.99E-06	0.2
PCB-81	1.48E+00	x	5.57E-04	x	0.0003	=	2.47E-07	0.0
PCB-126	2.65E+00	x	5.57E-04	x	0.1	=	1.48E-04	8.5
PCB-169	5.97E-01	x	5.57E-04	x	0.03	=	9.98E-06	0.6
PCB-105	1.12E+02	x	5.57E-04	x	0.00003	=	1.87E-06	0.1
PCB-114	6.02E+00	x	5.57E-04	x	0.00003	=	1.01E-07	0.0
PCB-118	2.43E+02	x	5.57E-04	x	0.00003	=	4.06E-06	0.2
PCB-123	5.24E+00	x	5.57E-04	x	0.00003	=	8.76E-08	0.0
PCB-156	5.01E+01	x	5.57E-04	x	0.00003	=	8.37E-07	0.0
PCB-157	9.23E+00	x	5.57E-04	x	0.00003	=	1.54E-07	0.0
PCB-167	2.16E+01	x	5.57E-04	x	0.00003	=	3.61E-07	0.0
PCB-189	5.97E-01	x	5.57E-04	x	0.00003	=	9.98E-09	0.0

Total WHO-TEQ ADE	**1.75E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.00**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

This worksheet should be used only in conjunction with *Soil Guideline Values for dioxins, furans and dioxin-like PCBs in soil, Science Report SC050021 / Dioxins SGV*

For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	0.00E+00	x	4.75E-04	x	1	=		#VALUE!
1,2,3,7,8-PeCDD	6.35E-01	x	4.75E-04	x	1	=	3.02E-04	8.6
1,2,3,4,7,8-HxCDD	4.14E-01	x	4.75E-04	x	0.1	=	1.97E-05	0.6
1,2,3,6,7,8-HxCDD	4.57E+00	x	4.75E-04	x	0.1	=	2.17E-04	6.2
1,2,3,7,8,9-HxCDD	2.39E+00	x	4.75E-04	x	0.1	=	1.14E-04	3.2
1,2,3,4,6,7,8-HpCDD	4.35E+01	x	4.75E-04	x	0.01	=	2.07E-04	5.9
OCDD	2.81E+02	x	4.75E-04	x	0.0003	=	4.01E-05	1.1
2,3,7,8-TCDF	2.12E+00	x	4.75E-04	x	0.1	=	1.01E-04	2.9
1,2,3,7,8-PeCDF	1.61E+00	x	4.75E-04	x	0.03	=	2.30E-05	0.7
2,3,4,7,8-PeCDF	3.30E+00	x	4.75E-04	x	0.3	=	4.71E-04	13.3
1,2,3,4,7,8-HxCDF	2.73E+00	x	4.75E-04	x	0.1	=	1.30E-04	3.7
1,2,3,7,8,9-HxCDF	1.59E-01	x	4.75E-04	x	0.1	=	7.56E-06	0.2
1,2,3,6,7,8-HxCDF	2.26E+01	x	4.75E-04	x	0.1	=	1.07E-03	30.4
2,3,4,6,7,8-HxCDF	2.68E+00	x	4.75E-04	x	0.1	=	1.27E-04	3.6
1,2,3,4,6,7,8-HpCDF	2.26E+01	x	4.75E-04	x	0.01	=	1.07E-04	3.0
1,2,3,4,7,8,9-HpCDF	1.47E+00	x	4.75E-04	x	0.01	=	6.99E-06	0.2
OCDF	2.21E+01	x	4.75E-04	x	0.0003	=	3.15E-06	0.1
PCB-77	3.13E+02	x	5.57E-04	x	0.0001	=	1.74E-05	0.5
PCB-81	1.06E+01	x	5.57E-04	x	0.0003	=	1.77E-06	0.1
PCB-126	8.70E+00	x	5.57E-04	x	0.1	=	4.85E-04	13.7
PCB-169	2.12E+00	x	5.57E-04	x	0.03	=	3.54E-05	1.0
PCB-105	6.23E+02	x	5.57E-04	x	0.00003	=	1.04E-05	0.3
PCB-114	3.89E+01	x	5.57E-04	x	0.00003	=	6.50E-07	0.0
PCB-118	1.37E+03	x	5.57E-04	x	0.00003	=	2.29E-05	0.6
PCB-123	4.23E+01	x	5.57E-04	x	0.00003	=	7.07E-07	0.0
PCB-156	2.00E+02	x	5.57E-04	x	0.00003	=	3.34E-06	0.1
PCB-157	3.46E+01	x	5.57E-04	x	0.00003	=	5.78E-07	0.0
PCB-167	8.11E+01	x	5.57E-04	x	0.00003	=	1.36E-06	0.0
PCB-189	2.92E+01	x	5.57E-04	x	0.00003	=	4.88E-07	0.0

Total WHO-TEQ ADE	**3.53E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.00**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

This worksheet should be used only in conjunction with *Soil Guideline Values for dioxins, furans and dioxin-like PCBs in soil, Science Report SC050021 / Dioxins SGV*

For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	0.00E+00	x	4.75E-04	x	1	=		#VALUE!
1,2,3,7,8-PeCDD	9.93E-01	x	4.75E-04	x	1	=	4.72E-04	9.2
1,2,3,4,7,8-HxCDD	1.17E+00	x	4.75E-04	x	0.1	=	5.56E-05	1.1
1,2,3,6,7,8-HxCDD	3.35E+00	x	4.75E-04	x	0.1	=	1.59E-04	3.1
1,2,3,7,8,9-HxCDD	2.01E+00	x	4.75E-04	x	0.1	=	9.55E-05	1.9
1,2,3,4,6,7,8-HpCDD	3.70E+01	x	4.75E-04	x	0.01	=	1.76E-04	3.4
OCDD	2.32E+02	x	4.75E-04	x	0.0003	=	3.31E-05	0.6
2,3,7,8-TCDF	2.39E+00	x	4.75E-04	x	0.1	=	1.14E-04	2.2
1,2,3,7,8-PeCDF	2.11E+00	x	4.75E-04	x	0.03	=	3.01E-05	0.6
2,3,4,7,8-PeCDF	3.62E+00	x	4.75E-04	x	0.3	=	5.16E-04	10.1
1,2,3,4,7,8-HxCDF	5.60E+00	x	4.75E-04	x	0.1	=	2.66E-04	5.2
1,2,3,7,8,9-HxCDF	0.00E+00	x	4.75E-04	x	0.1	=		#VALUE!
1,2,3,6,7,8-HxCDF	5.38E+00	x	4.75E-04	x	0.1	=	2.56E-04	5.0
2,3,4,6,7,8-HxCDF	8.10E+00	x	4.75E-04	x	0.1	=	3.85E-04	7.5
1,2,3,4,6,7,8-HpCDF	4.94E+02	x	4.75E-04	x	0.01	=	2.35E-03	45.8
1,2,3,4,7,8,9-HpCDF	5.22E+00	x	4.75E-04	x	0.01	=	2.48E-05	0.5
OCDF	8.25E+02	x	4.75E-04	x	0.0003	=	1.18E-04	2.3
PCB-77	2.88E+00	x	5.57E-04	x	0.0001	=	1.60E-07	0.0
PCB-81	0.00E+00	x	5.57E-04	x	0.0003	=		#VALUE!
PCB-126	1.20E+00	x	5.57E-04	x	0.1	=	6.68E-05	1.3
PCB-169	7.06E-01	x	5.57E-04	x	0.03	=	1.18E-05	0.2
PCB-105	4.03E+00	x	5.57E-04	x	0.00003	=	6.74E-08	0.0
PCB-114	0.00E+00	x	5.57E-04	x	0.00003	=		#VALUE!
PCB-118	1.01E+01	x	5.57E-04	x	0.00003	=	1.69E-07	0.0
PCB-123	8.56E-01	x	5.57E-04	x	0.00003	=	1.43E-08	0.0
PCB-156	5.57E+00	x	5.57E-04	x	0.00003	=	9.31E-08	0.0
PCB-157	4.29E+00	x	5.57E-04	x	0.00003	=	7.17E-08	0.0
PCB-167	0.00E+00	x	5.57E-04	x	0.00003	=		#VALUE!
PCB-189	1.48E+00	x	5.57E-04	x	0.00003	=	2.47E-08	0.0

Total WHO-TEQ ADE	**5.13E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.00**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

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For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	4.79E-01	x	4.75E-04	x	1	=	2.28E-04	1.2
1,2,3,7,8-PeCDD	2.28E+00	x	4.75E-04	x	1	=	1.08E-03	5.9
1,2,3,4,7,8-HxCDD	2.24E+00	x	4.75E-04	x	0.1	=	1.06E-04	0.6
1,2,3,6,7,8-HxCDD	8.40E+00	x	4.75E-04	x	0.1	=	3.99E-04	2.2
1,2,3,7,8,9-HxCDD	5.41E+00	x	4.75E-04	x	0.1	=	2.57E-04	1.4
1,2,3,4,6,7,8-HpCDD	2.39E+02	x	4.75E-04	x	0.01	=	1.14E-03	6.1
OCDD	3.21E+03	x	4.75E-04	x	0.0003	=	4.58E-04	2.5
2,3,7,8-TCDF	1.05E+01	x	4.75E-04	x	0.1	=	4.99E-04	2.7
1,2,3,7,8-PeCDF	7.34E+00	x	4.75E-04	x	0.03	=	1.05E-04	0.6
2,3,4,7,8-PeCDF	1.32E+01	x	4.75E-04	x	0.3	=	1.88E-03	10.2
1,2,3,4,7,8-HxCDF	3.99E+01	x	4.75E-04	x	0.1	=	1.90E-03	10.3
1,2,3,7,8,9-HxCDF	1.04E+00	x	4.75E-04	x	0.1	=	4.94E-05	0.3
1,2,3,6,7,8-HxCDF	1.49E+01	x	4.75E-04	x	0.1	=	7.08E-04	3.8
2,3,4,6,7,8-HxCDF	1.54E+01	x	4.75E-04	x	0.1	=	7.32E-04	4.0
1,2,3,4,6,7,8-HpCDF	2.29E+02	x	4.75E-04	x	0.01	=	1.09E-03	5.9
1,2,3,4,7,8,9-HpCDF	2.81E+01	x	4.75E-04	x	0.01	=	1.34E-04	0.7
OCDF	3.15E+02	x	4.75E-04	x	0.0003	=	4.49E-05	0.2
PCB-77	1.04E+04	x	5.57E-04	x	0.0001	=	5.79E-04	3.1
PCB-81	2.98E+02	x	5.57E-04	x	0.0003	=	4.98E-05	0.3
PCB-126	8.27E+01	x	5.57E-04	x	0.1	=	4.61E-03	24.9
PCB-169	3.56E+00	x	5.57E-04	x	0.03	=	5.95E-05	0.3
PCB-105	8.94E+03	x	5.57E-04	x	0.00003	=	1.49E-04	0.8
PCB-114	6.38E+02	x	5.57E-04	x	0.00003	=	1.07E-05	0.1
PCB-118	7.43E+04	x	5.57E-04	x	0.00003	=	1.24E-03	6.7
PCB-123	3.89E+03	x	5.57E-04	x	0.00003	=	6.50E-05	0.4
PCB-156	2.96E+04	x	5.57E-04	x	0.00003	=	4.95E-04	2.7
PCB-157	1.30E+03	x	5.57E-04	x	0.00003	=	2.17E-05	0.1
PCB-167	1.14E+04	x	5.57E-04	x	0.00003	=	1.91E-04	1.0
PCB-189	1.25E+04	x	5.57E-04	x	0.00003	=	2.09E-04	1.1

Total WHO-TEQ ADE	**1.85E-02**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.01**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

This worksheet should be used only in conjunction with *Soil Guideline Values for dioxins, furans and dioxin-like PCBs in soil, Science Report SC050021 / Dioxins SGV*

For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	3.50E-01	x	4.75E-04	x	1	=	1.66E-04	6.0
1,2,3,7,8-PeCDD	8.80E-01	x	4.75E-04	x	1	=	4.18E-04	15.0
1,2,3,4,7,8-HxCDD	1.90E+00	x	4.75E-04	x	0.1	=	9.03E-05	3.2
1,2,3,6,7,8-HxCDD	5.00E+00	x	4.75E-04	x	0.1	=	2.38E-04	8.5
1,2,3,7,8,9-HxCDD	1.90E+00	x	4.75E-04	x	0.1	=	9.03E-05	3.2
1,2,3,4,6,7,8-HpCDD	3.80E+01	x	4.75E-04	x	0.01	=	1.81E-04	6.5
OCDD	1.60E+02	x	4.75E-04	x	0.0003	=	2.28E-05	0.8
2,3,7,8-TCDF	3.00E+00	x	4.75E-04	x	0.1	=	1.43E-04	5.1
1,2,3,7,8-PeCDF	2.30E+00	x	4.75E-04	x	0.03	=	3.28E-05	1.2
2,3,4,7,8-PeCDF	2.30E+00	x	4.75E-04	x	0.3	=	3.28E-04	11.8
1,2,3,4,7,8-HxCDF	2.90E+00	x	4.75E-04	x	0.1	=	1.38E-04	5.0
1,2,3,7,8,9-HxCDF	1.50E+00	x	4.75E-04	x	0.1	=	7.13E-05	2.6
1,2,3,6,7,8-HxCDF	2.90E+00	x	4.75E-04	x	0.1	=	1.38E-04	5.0
2,3,4,6,7,8-HxCDF	2.90E+00	x	4.75E-04	x	0.1	=	1.38E-04	5.0
1,2,3,4,6,7,8-HpCDF	1.60E+01	x	4.75E-04	x	0.01	=	7.60E-05	2.7
1,2,3,4,7,8,9-HpCDF	8.10E+00	x	4.75E-04	x	0.01	=	3.85E-05	1.4
OCDF	1.60E+01	x	4.75E-04	x	0.0003	=	2.28E-06	0.1
PCB-77	3.30E+02	x	5.57E-04	x	0.0001	=	1.84E-05	0.7
PCB-81	2.90E+01	x	5.57E-04	x	0.0003	=	4.85E-06	0.2
PCB-126	5.50E+00	x	5.57E-04	x	0.1	=	3.06E-04	11.0
PCB-169	4.80E+00	x	5.57E-04	x	0.03	=	8.02E-05	2.9
PCB-105	5.80E+02	x	5.57E-04	x	0.00003	=	9.69E-06	0.3
PCB-114	6.20E+01	x	5.57E-04	x	0.00003	=	1.04E-06	0.0
PCB-118	1.20E+03	x	5.57E-04	x	0.00003	=	2.01E-05	0.7
PCB-123	2.40E+01	x	5.57E-04	x	0.00003	=	4.01E-07	0.0
PCB-156	1.10E+03	x	5.57E-04	x	0.00003	=	1.84E-05	0.7
PCB-157	9.90E+01	x	5.57E-04	x	0.00003	=	1.65E-06	0.1
PCB-167	3.80E+02	x	5.57E-04	x	0.00003	=	6.35E-06	0.2
PCB-189	2.30E+02	x	5.57E-04	x	0.00003	=	3.84E-06	0.1

Total WHO-TEQ ADE	**2.78E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.00**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

This worksheet should be used only in conjunction with *Soil Guideline Values for dioxins, furans and dioxin-like PCBs in soil, Science Report SC050021 / Dioxins SGV*

For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	1.10E+00	x	4.75E-04	x	1	=	5.23E-04	12.0
1,2,3,7,8-PeCDD	1.70E+00	x	4.75E-04	x	1	=	8.08E-04	18.6
1,2,3,4,7,8-HxCDD	1.70E+00	x	4.75E-04	x	0.1	=	8.08E-05	1.9
1,2,3,6,7,8-HxCDD	1.70E+00	x	4.75E-04	x	0.1	=	8.08E-05	1.9
1,2,3,7,8,9-HxCDD	1.70E+00	x	4.75E-04	x	0.1	=	8.08E-05	1.9
1,2,3,4,6,7,8-HpCDD	2.10E+02	x	4.75E-04	x	0.01	=	9.98E-04	22.9
OCDD	1.10E+03	x	4.75E-04	x	0.0003	=	1.57E-04	3.6
2,3,7,8-TCDF	3.00E+00	x	4.75E-04	x	0.1	=	1.43E-04	3.3
1,2,3,7,8-PeCDF	1.00E+00	x	4.75E-04	x	0.03	=	1.43E-05	0.3
2,3,4,7,8-PeCDF	1.00E+00	x	4.75E-04	x	0.3	=	1.43E-04	3.3
1,2,3,4,7,8-HxCDF	1.10E+00	x	4.75E-04	x	0.1	=	5.23E-05	1.2
1,2,3,7,8,9-HxCDF	1.10E+00	x	4.75E-04	x	0.1	=	5.23E-05	1.2
1,2,3,6,7,8-HxCDF	1.10E+00	x	4.75E-04	x	0.1	=	5.23E-05	1.2
2,3,4,6,7,8-HxCDF	1.10E+00	x	4.75E-04	x	0.1	=	5.23E-05	1.2
1,2,3,4,6,7,8-HpCDF	1.60E+01	x	4.75E-04	x	0.01	=	7.60E-05	1.7
1,2,3,4,7,8,9-HpCDF	1.60E+01	x	4.75E-04	x	0.01	=	7.60E-05	1.7
OCDF	1.20E+01	x	4.75E-04	x	0.0003	=	1.71E-06	0.0
PCB-77	7.40E+02	x	5.57E-04	x	0.0001	=	4.12E-05	0.9
PCB-81	8.40E+01	x	5.57E-04	x	0.0003	=	1.40E-05	0.3
PCB-126	1.10E+01	x	5.57E-04	x	0.1	=	6.13E-04	14.1
PCB-169	5.00E+00	x	5.57E-04	x	0.03	=	8.36E-05	1.9
PCB-105	3.10E+03	x	5.57E-04	x	0.00003	=	5.18E-05	1.2
PCB-114	1.40E+02	x	5.57E-04	x	0.00003	=	2.34E-06	0.1
PCB-118	7.70E+03	x	5.57E-04	x	0.00003	=	1.29E-04	3.0
PCB-123	1.40E+02	x	5.57E-04	x	0.00003	=	2.34E-06	0.1
PCB-156	8.20E+02	x	5.57E-04	x	0.00003	=	1.37E-05	0.3
PCB-157	1.60E+02	x	5.57E-04	x	0.00003	=	2.67E-06	0.1
PCB-167	3.10E+02	x	5.57E-04	x	0.00003	=	5.18E-06	0.1
PCB-189	6.50E+01	x	5.57E-04	x	0.00003	=	1.09E-06	0.0

Total WHO-TEQ ADE	**4.35E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.00**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

This worksheet should be used only in conjunction with *Soil Guideline Values for dioxins, furans and dioxin-like PCBs in soil, Science Report SC050021 / Dioxins SGV*

For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	1.20E+00	x	4.75E-04	x	1	=	5.70E-04	9.1
1,2,3,7,8-PeCDD	1.20E+00	x	4.75E-04	x	1	=	5.70E-04	9.1
1,2,3,4,7,8-HxCDD	1.40E+00	x	4.75E-04	x	0.1	=	6.65E-05	1.1
1,2,3,6,7,8-HxCDD	1.40E+00	x	4.75E-04	x	0.1	=	6.65E-05	1.1
1,2,3,7,8,9-HxCDD	1.40E+00	x	4.75E-04	x	0.1	=	6.65E-05	1.1
1,2,3,4,6,7,8-HpCDD	2.30E+00	x	4.75E-04	x	0.01	=	1.09E-05	0.2
OCDD	7.50E+01	x	4.75E-04	x	0.0003	=	1.07E-05	0.2
2,3,7,8-TCDF	1.30E+00	x	4.75E-04	x	0.1	=	6.18E-05	1.0
1,2,3,7,8-PeCDF	1.40E+00	x	4.75E-04	x	0.03	=	2.00E-05	0.3
2,3,4,7,8-PeCDF	1.40E+00	x	4.75E-04	x	0.3	=	2.00E-04	3.2
1,2,3,4,7,8-HxCDF	1.60E+00	x	4.75E-04	x	0.1	=	7.60E-05	1.2
1,2,3,7,8,9-HxCDF	1.60E+00	x	4.75E-04	x	0.1	=	7.60E-05	1.2
1,2,3,6,7,8-HxCDF	1.60E+00	x	4.75E-04	x	0.1	=	7.60E-05	1.2
2,3,4,6,7,8-HxCDF	1.60E+00	x	4.75E-04	x	0.1	=	7.60E-05	1.2
1,2,3,4,6,7,8-HpCDF	3.60E+00	x	4.75E-04	x	0.01	=	1.71E-05	0.3
1,2,3,4,7,8,9-HpCDF	3.60E+00	x	4.75E-04	x	0.01	=	1.71E-05	0.3
OCDF	5.00E+00	x	4.75E-04	x	0.0003	=	7.13E-07	0.0
PCB-77	1.20E+03	x	5.57E-04	x	0.0001	=	6.69E-05	1.1
PCB-81	6.40E+01	x	5.57E-04	x	0.0003	=	1.07E-05	0.2
PCB-126	2.80E+01	x	5.57E-04	x	0.1	=	1.56E-03	24.8
PCB-169	1.50E+02	x	5.57E-04	x	0.03	=	2.51E-03	39.8
PCB-105	2.30E+03	x	5.57E-04	x	0.00003	=	3.84E-05	0.6
PCB-114	1.30E+02	x	5.57E-04	x	0.00003	=	2.17E-06	0.0
PCB-118	6.10E+03	x	5.57E-04	x	0.00003	=	1.02E-04	1.6
PCB-123	8.50E+01	x	5.57E-04	x	0.00003	=	1.42E-06	0.0
PCB-156	6.80E+02	x	5.57E-04	x	0.00003	=	1.14E-05	0.2
PCB-157	9.90E+01	x	5.57E-04	x	0.00003	=	1.65E-06	0.0
PCB-167	1.00E+03	x	5.57E-04	x	0.00003	=	1.67E-05	0.3
PCB-189	6.20E+01	x	5.57E-04	x	0.00003	=	1.04E-06	0.0

Total WHO-TEQ ADE	**6.30E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.00**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

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For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	9.80E-01	x	4.75E-04	x	1	=	4.66E-04	0.9
1,2,3,7,8-PeCDD	1.40E+00	x	4.75E-04	x	1	=	6.65E-04	1.3
1,2,3,4,7,8-HxCDD	1.70E+00	x	4.75E-04	x	0.1	=	8.08E-05	0.2
1,2,3,6,7,8-HxCDD	1.70E+00	x	4.75E-04	x	0.1	=	8.08E-05	0.2
1,2,3,7,8,9-HxCDD	3.50E+00	x	4.75E-04	x	0.1	=	1.66E-04	0.3
1,2,3,4,6,7,8-HpCDD	1.50E+01	x	4.75E-04	x	0.01	=	7.13E-05	0.1
OCDD	1.50E+02	x	4.75E-04	x	0.0003	=	2.14E-05	0.0
2,3,7,8-TCDF	4.60E+00	x	4.75E-04	x	0.1	=	2.19E-04	0.4
1,2,3,7,8-PeCDF	3.10E+00	x	4.75E-04	x	0.03	=	4.42E-05	0.1
2,3,4,7,8-PeCDF	5.40E+00	x	4.75E-04	x	0.3	=	7.70E-04	1.6
1,2,3,4,7,8-HxCDF	5.10E+00	x	4.75E-04	x	0.1	=	2.42E-04	0.5
1,2,3,7,8,9-HxCDF	1.30E+00	x	4.75E-04	x	0.1	=	6.18E-05	0.1
1,2,3,6,7,8-HxCDF	1.60E+01	x	4.75E-04	x	0.1	=	7.60E-04	1.5
2,3,4,6,7,8-HxCDF	3.20E+00	x	4.75E-04	x	0.1	=	1.52E-04	0.3
1,2,3,4,6,7,8-HpCDF	4.40E+01	x	4.75E-04	x	0.01	=	2.09E-04	0.4
1,2,3,4,7,8,9-HpCDF	2.70E+00	x	4.75E-04	x	0.01	=	1.28E-05	0.0
OCDF	2.90E+01	x	4.75E-04	x	0.0003	=	4.13E-06	0.0
PCB-77	7.00E+04	x	5.57E-04	x	0.0001	=	3.90E-03	7.9
PCB-81	6.10E+03	x	5.57E-04	x	0.0003	=	1.02E-03	2.1
PCB-126	4.00E+02	x	5.57E-04	x	0.1	=	2.23E-02	45.2
PCB-169	6.70E+02	x	5.57E-04	x	0.03	=	1.12E-02	22.7
PCB-105	1.20E+05	x	5.57E-04	x	0.00003	=	2.01E-03	4.1
PCB-114	1.10E+04	x	5.57E-04	x	0.00003	=	1.84E-04	0.4
PCB-118	2.50E+05	x	5.57E-04	x	0.00003	=	4.18E-03	8.5
PCB-123	7.20E+03	x	5.57E-04	x	0.00003	=	1.20E-04	0.2
PCB-156	1.00E+04	x	5.57E-04	x	0.00003	=	1.67E-04	0.3
PCB-157	2.10E+03	x	5.57E-04	x	0.00003	=	3.51E-05	0.1
PCB-167	1.30E+04	x	5.57E-04	x	0.00003	=	2.17E-04	0.4
PCB-189	1.10E+03	x	5.57E-04	x	0.00003	=	1.84E-05	0.0

Total WHO-TEQ ADE	**4.94E-02**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.04**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

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For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	1.20E+00	x	4.75E-04	x	1	=	5.70E-04	6.7
1,2,3,7,8-PeCDD	4.10E+00	x	4.75E-04	x	1	=	1.95E-03	22.9
1,2,3,4,7,8-HxCDD	1.70E+00	x	4.75E-04	x	0.1	=	8.08E-05	1.0
1,2,3,6,7,8-HxCDD	5.20E+00	x	4.75E-04	x	0.1	=	2.47E-04	2.9
1,2,3,7,8,9-HxCDD	2.30E+00	x	4.75E-04	x	0.1	=	1.09E-04	1.3
1,2,3,4,6,7,8-HpCDD	2.20E+02	x	4.75E-04	x	0.01	=	1.05E-03	12.3
OCDD	1.50E+03	x	4.75E-04	x	0.0003	=	2.14E-04	2.5
2,3,7,8-TCDF	5.50E+00	x	4.75E-04	x	0.1	=	2.61E-04	3.1
1,2,3,7,8-PeCDF	4.20E+00	x	4.75E-04	x	0.03	=	5.99E-05	0.7
2,3,4,7,8-PeCDF	5.30E+00	x	4.75E-04	x	0.3	=	7.56E-04	8.9
1,2,3,4,7,8-HxCDF	1.20E+01	x	4.75E-04	x	0.1	=	5.70E-04	6.7
1,2,3,7,8,9-HxCDF	1.10E+00	x	4.75E-04	x	0.1	=	5.23E-05	0.6
1,2,3,6,7,8-HxCDF	1.10E+01	x	4.75E-04	x	0.1	=	5.23E-04	6.1
2,3,4,6,7,8-HxCDF	6.70E+00	x	4.75E-04	x	0.1	=	3.18E-04	3.7
1,2,3,4,6,7,8-HpCDF	2.20E+02	x	4.75E-04	x	0.01	=	1.05E-03	12.3
1,2,3,4,7,8,9-HpCDF	8.00E+00	x	4.75E-04	x	0.01	=	3.80E-05	0.4
OCDF	1.70E+02	x	4.75E-04	x	0.0003	=	2.42E-05	0.3
PCB-77	1.90E+02	x	5.57E-04	x	0.0001	=	1.06E-05	0.1
PCB-81	9.30E+00	x	5.57E-04	x	0.0003	=	1.55E-06	0.0
PCB-126	9.50E+00	x	5.57E-04	x	0.1	=	5.29E-04	6.2
PCB-169	2.30E+00	x	5.57E-04	x	0.03	=	3.84E-05	0.5
PCB-105	8.20E+02	x	5.57E-04	x	0.00003	=	1.37E-05	0.2
PCB-114	5.00E+01	x	5.57E-04	x	0.00003	=	8.36E-07	0.0
PCB-118	1.70E+03	x	5.57E-04	x	0.00003	=	2.84E-05	0.3
PCB-123	5.00E+01	x	5.57E-04	x	0.00003	=	8.36E-07	0.0
PCB-156	5.30E+02	x	5.57E-04	x	0.00003	=	8.86E-06	0.1
PCB-157	1.50E+02	x	5.57E-04	x	0.00003	=	2.51E-06	0.0
PCB-167	1.80E+02	x	5.57E-04	x	0.00003	=	3.01E-06	0.0
PCB-189	1.20E+02	x	5.57E-04	x	0.00003	=	2.01E-06	0.0

Total WHO-TEQ ADE	**8.50E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.01**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

This worksheet should be used only in conjunction with *Soil Guideline Values for dioxins, furans and dioxin-like PCBs in soil, Science Report SC050021 / Dioxins SGV*

For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	8.00E-01	x	4.75E-04	x	1	=	3.80E-04	13.9
1,2,3,7,8-PeCDD	1.10E+00	x	4.75E-04	x	1	=	5.23E-04	19.1
1,2,3,4,7,8-HxCDD	1.70E+00	x	4.75E-04	x	0.1	=	8.08E-05	3.0
1,2,3,6,7,8-HxCDD	1.70E+00	x	4.75E-04	x	0.1	=	8.08E-05	3.0
1,2,3,7,8,9-HxCDD	1.70E+00	x	4.75E-04	x	0.1	=	8.08E-05	3.0
1,2,3,4,6,7,8-HpCDD	6.40E+01	x	4.75E-04	x	0.01	=	3.04E-04	11.1
OCDD	1.00E+03	x	4.75E-04	x	0.0003	=	1.43E-04	5.2
2,3,7,8-TCDF	2.20E+00	x	4.75E-04	x	0.1	=	1.05E-04	3.8
1,2,3,7,8-PeCDF	1.30E+00	x	4.75E-04	x	0.03	=	1.85E-05	0.7
2,3,4,7,8-PeCDF	1.30E+00	x	4.75E-04	x	0.3	=	1.85E-04	6.8
1,2,3,4,7,8-HxCDF	2.30E+00	x	4.75E-04	x	0.1	=	1.09E-04	4.0
1,2,3,7,8,9-HxCDF	2.30E+00	x	4.75E-04	x	0.1	=	1.09E-04	4.0
1,2,3,6,7,8-HxCDF	2.30E+00	x	4.75E-04	x	0.1	=	1.09E-04	4.0
2,3,4,6,7,8-HxCDF	2.30E+00	x	4.75E-04	x	0.1	=	1.09E-04	4.0
1,2,3,4,6,7,8-HpCDF	2.10E+01	x	4.75E-04	x	0.01	=	9.98E-05	3.7
1,2,3,4,7,8,9-HpCDF	1.10E+01	x	4.75E-04	x	0.01	=	5.23E-05	1.9
OCDF	5.50E+00	x	4.75E-04	x	0.0003	=	7.84E-07	0.0
PCB-77	1.20E+02	x	5.57E-04	x	0.0001	=	6.69E-06	0.2
PCB-81	6.10E+00	x	5.57E-04	x	0.0003	=	1.02E-06	0.0
PCB-126	3.60E+00	x	5.57E-04	x	0.1	=	2.01E-04	7.3
PCB-169	7.70E-01	x	5.57E-04	x	0.03	=	1.29E-05	0.5
PCB-105	3.20E+02	x	5.57E-04	x	0.00003	=	5.35E-06	0.2
PCB-114	2.70E+01	x	5.57E-04	x	0.00003	=	4.51E-07	0.0
PCB-118	7.00E+02	x	5.57E-04	x	0.00003	=	1.17E-05	0.4
PCB-123	5.50E+00	x	5.57E-04	x	0.00003	=	9.19E-08	0.0
PCB-156	1.20E+02	x	5.57E-04	x	0.00003	=	2.01E-06	0.1
PCB-157	2.50E+01	x	5.57E-04	x	0.00003	=	4.18E-07	0.0
PCB-167	4.70E+01	x	5.57E-04	x	0.00003	=	7.85E-07	0.0
PCB-189	2.10E+01	x	5.57E-04	x	0.00003	=	3.51E-07	0.0

Total WHO-TEQ ADE	**2.73E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.00**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

This worksheet should be used only in conjunction with *Soil Guideline Values for dioxins, furans and dioxin-like PCBs in soil, Science Report SC050021 / Dioxins SGV*

For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	7.30E-01	x	4.75E-04	x	1	=	3.47E-04	5.1
1,2,3,7,8-PeCDD	1.10E+00	x	4.75E-04	x	1	=	5.23E-04	7.7
1,2,3,4,7,8-HxCDD	2.30E+00	x	4.75E-04	x	0.1	=	1.09E-04	1.6
1,2,3,6,7,8-HxCDD	2.30E+00	x	4.75E-04	x	0.1	=	1.09E-04	1.6
1,2,3,7,8,9-HxCDD	2.30E+00	x	4.75E-04	x	0.1	=	1.09E-04	1.6
1,2,3,4,6,7,8-HpCDD	6.70E+02	x	4.75E-04	x	0.01	=	3.18E-03	46.7
OCDD	9.30E+03	x	4.75E-04	x	0.0003	=	1.33E-03	19.5
2,3,7,8-TCDF	1.00E+00	x	4.75E-04	x	0.1	=	4.75E-05	0.7
1,2,3,7,8-PeCDF	1.00E+00	x	4.75E-04	x	0.03	=	1.43E-05	0.2
2,3,4,7,8-PeCDF	1.00E+00	x	4.75E-04	x	0.3	=	1.43E-04	2.1
1,2,3,4,7,8-HxCDF	1.40E+00	x	4.75E-04	x	0.1	=	6.65E-05	1.0
1,2,3,7,8,9-HxCDF	1.40E+00	x	4.75E-04	x	0.1	=	6.65E-05	1.0
1,2,3,6,7,8-HxCDF	1.40E+00	x	4.75E-04	x	0.1	=	6.65E-05	1.0
2,3,4,6,7,8-HxCDF	1.40E+00	x	4.75E-04	x	0.1	=	6.65E-05	1.0
1,2,3,4,6,7,8-HpCDF	5.40E+01	x	4.75E-04	x	0.01	=	2.57E-04	3.8
1,2,3,4,7,8,9-HpCDF	2.70E+01	x	4.75E-04	x	0.01	=	1.28E-04	1.9
OCDF	1.70E+02	x	4.75E-04	x	0.0003	=	2.42E-05	0.4
PCB-77	3.80E+02	x	5.57E-04	x	0.0001	=	2.12E-05	0.3
PCB-81	2.60E+01	x	5.57E-04	x	0.0003	=	4.35E-06	0.1
PCB-126	2.50E+00	x	5.57E-04	x	0.1	=	1.39E-04	2.0
PCB-169	1.70E+00	x	5.57E-04	x	0.03	=	2.84E-05	0.4
PCB-105	5.80E+02	x	5.57E-04	x	0.00003	=	9.69E-06	0.1
PCB-114	3.70E+01	x	5.57E-04	x	0.00003	=	6.18E-07	0.0
PCB-118	1.10E+03	x	5.57E-04	x	0.00003	=	1.84E-05	0.3
PCB-123	1.20E+01	x	5.57E-04	x	0.00003	=	2.01E-07	0.0
PCB-156	2.70E+02	x	5.57E-04	x	0.00003	=	4.51E-06	0.1
PCB-157	4.30E+01	x	5.57E-04	x	0.00003	=	7.19E-07	0.0
PCB-167	7.40E+01	x	5.57E-04	x	0.00003	=	1.24E-06	0.0
PCB-189	2.50E+01	x	5.57E-04	x	0.00003	=	4.18E-07	0.0

Total WHO-TEQ ADE	**6.82E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.01**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

This worksheet should be used only in conjunction with *Soil Guideline Values for dioxins, furans and dioxin-like PCBs in soil, Science Report SC050021 / Dioxins SGV*

For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	1.30E+00	x	4.75E-04	x	1	=	6.18E-04	25.9
1,2,3,7,8-PeCDD	1.40E+00	x	4.75E-04	x	1	=	6.65E-04	27.8
1,2,3,4,7,8-HxCDD	1.40E+00	x	4.75E-04	x	0.1	=	6.65E-05	2.8
1,2,3,6,7,8-HxCDD	1.40E+00	x	4.75E-04	x	0.1	=	6.65E-05	2.8
1,2,3,7,8,9-HxCDD	1.40E+00	x	4.75E-04	x	0.1	=	6.65E-05	2.8
1,2,3,4,6,7,8-HpCDD	3.90E+00	x	4.75E-04	x	0.01	=	1.85E-05	0.8
OCDD	3.30E+02	x	4.75E-04	x	0.0003	=	4.71E-05	2.0
2,3,7,8-TCDF	1.30E+00	x	4.75E-04	x	0.1	=	6.18E-05	2.6
1,2,3,7,8-PeCDF	1.40E+00	x	4.75E-04	x	0.03	=	2.00E-05	0.8
2,3,4,7,8-PeCDF	1.40E+00	x	4.75E-04	x	0.3	=	2.00E-04	8.4
1,2,3,4,7,8-HxCDF	1.50E+00	x	4.75E-04	x	0.1	=	7.13E-05	3.0
1,2,3,7,8,9-HxCDF	1.50E+00	x	4.75E-04	x	0.1	=	7.13E-05	3.0
1,2,3,6,7,8-HxCDF	1.50E+00	x	4.75E-04	x	0.1	=	7.13E-05	3.0
2,3,4,6,7,8-HxCDF	1.50E+00	x	4.75E-04	x	0.1	=	7.13E-05	3.0
1,2,3,4,6,7,8-HpCDF	3.70E+00	x	4.75E-04	x	0.01	=	1.76E-05	0.7
1,2,3,4,7,8,9-HpCDF	3.70E+00	x	4.75E-04	x	0.01	=	1.76E-05	0.7
OCDF	1.20E+02	x	4.75E-04	x	0.0003	=	1.71E-05	0.7
PCB-77	2.00E+02	x	5.57E-04	x	0.0001	=	1.11E-05	0.5
PCB-81	1.40E+01	x	5.57E-04	x	0.0003	=	2.34E-06	0.1
PCB-126	2.00E+00	x	5.57E-04	x	0.1	=	1.11E-04	4.7
PCB-169	4.00E+00	x	5.57E-04	x	0.03	=	6.68E-05	2.8
PCB-105	4.90E+02	x	5.57E-04	x	0.00003	=	8.19E-06	0.3
PCB-114	4.70E+01	x	5.57E-04	x	0.00003	=	7.85E-07	0.0
PCB-118	1.00E+03	x	5.57E-04	x	0.00003	=	1.67E-05	0.7
PCB-123	4.20E+01	x	5.57E-04	x	0.00003	=	7.02E-07	0.0
PCB-156	2.00E+02	x	5.57E-04	x	0.00003	=	3.34E-06	0.1
PCB-157	3.10E+00	x	5.57E-04	x	0.00003	=	5.18E-08	0.0
PCB-167	7.10E+01	x	5.57E-04	x	0.00003	=	1.19E-06	0.0
PCB-189	5.80E+00	x	5.57E-04	x	0.00003	=	9.69E-08	0.0

Total WHO-TEQ ADE	**2.39E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.00**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

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For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	2.60E-01	x	4.75E-04	x	1	=	1.24E-04	5.0
1,2,3,7,8-PeCDD	5.20E-01	x	4.75E-04	x	1	=	2.47E-04	10.1
1,2,3,4,7,8-HxCDD	5.10E-01	x	4.75E-04	x	0.1	=	2.42E-05	1.0
1,2,3,6,7,8-HxCDD	5.10E-01	x	4.75E-04	x	0.1	=	2.42E-05	1.0
1,2,3,7,8,9-HxCDD	5.10E-01	x	4.75E-04	x	0.1	=	2.42E-05	1.0
1,2,3,4,6,7,8-HpCDD	2.00E+02	x	4.75E-04	x	0.01	=	9.51E-04	38.8
OCDD	1.60E+03	x	4.75E-04	x	0.0003	=	2.28E-04	9.3
2,3,7,8-TCDF	2.30E-01	x	4.75E-04	x	0.1	=	1.09E-05	0.4
1,2,3,7,8-PeCDF	3.30E-01	x	4.75E-04	x	0.03	=	4.71E-06	0.2
2,3,4,7,8-PeCDF	3.30E-01	x	4.75E-04	x	0.3	=	4.71E-05	1.9
1,2,3,4,7,8-HxCDF	4.70E-01	x	4.75E-04	x	0.1	=	2.23E-05	0.9
1,2,3,7,8,9-HxCDF	4.70E-01	x	4.75E-04	x	0.1	=	2.23E-05	0.9
1,2,3,6,7,8-HxCDF	4.70E-01	x	4.75E-04	x	0.1	=	2.23E-05	0.9
2,3,4,6,7,8-HxCDF	4.70E-01	x	4.75E-04	x	0.1	=	2.23E-05	0.9
1,2,3,4,6,7,8-HpCDF	3.40E+01	x	4.75E-04	x	0.01	=	1.62E-04	6.6
1,2,3,4,7,8,9-HpCDF	1.70E+01	x	4.75E-04	x	0.01	=	8.08E-05	3.3
OCDF	4.80E+01	x	4.75E-04	x	0.0003	=	6.84E-06	0.3
PCB-77	8.40E+02	x	5.57E-04	x	0.0001	=	4.68E-05	1.9
PCB-81	7.20E+01	x	5.57E-04	x	0.0003	=	1.20E-05	0.5
PCB-126	3.40E+00	x	5.57E-04	x	0.1	=	1.89E-04	7.7
PCB-169	5.10E+00	x	5.57E-04	x	0.03	=	8.52E-05	3.5
PCB-105	1.70E+03	x	5.57E-04	x	0.00003	=	2.84E-05	1.2
PCB-114	1.00E+02	x	5.57E-04	x	0.00003	=	1.67E-06	0.1
PCB-118	3.00E+03	x	5.57E-04	x	0.00003	=	5.01E-05	2.0
PCB-123	8.40E+01	x	5.57E-04	x	0.00003	=	1.40E-06	0.1
PCB-156	2.80E+02	x	5.57E-04	x	0.00003	=	4.68E-06	0.2
PCB-157	6.20E+01	x	5.57E-04	x	0.00003	=	1.04E-06	0.0
PCB-167	1.50E+02	x	5.57E-04	x	0.00003	=	2.51E-06	0.1
PCB-189	3.20E+01	x	5.57E-04	x	0.00003	=	5.35E-07	0.0

Total WHO-TEQ ADE	**2.45E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.00**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

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For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	1.10E+00	x	4.75E-04	x	1	=	5.23E-04	22.1
1,2,3,7,8-PeCDD	1.40E+00	x	4.75E-04	x	1	=	6.65E-04	28.1
1,2,3,4,7,8-HxCDD	1.70E+00	x	4.75E-04	x	0.1	=	8.08E-05	3.4
1,2,3,6,7,8-HxCDD	1.70E+00	x	4.75E-04	x	0.1	=	8.08E-05	3.4
1,2,3,7,8,9-HxCDD	1.70E+00	x	4.75E-04	x	0.1	=	8.08E-05	3.4
1,2,3,4,6,7,8-HpCDD	1.10E+01	x	4.75E-04	x	0.01	=	5.23E-05	2.2
OCDD	1.30E+02	x	4.75E-04	x	0.0003	=	1.85E-05	0.8
2,3,7,8-TCDF	8.90E-01	x	4.75E-04	x	0.1	=	4.23E-05	1.8
1,2,3,7,8-PeCDF	9.60E-01	x	4.75E-04	x	0.03	=	1.37E-05	0.6
2,3,4,7,8-PeCDF	9.60E-01	x	4.75E-04	x	0.3	=	1.37E-04	5.8
1,2,3,4,7,8-HxCDF	1.60E+00	x	4.75E-04	x	0.1	=	7.60E-05	3.2
1,2,3,7,8,9-HxCDF	1.60E+00	x	4.75E-04	x	0.1	=	7.60E-05	3.2
1,2,3,6,7,8-HxCDF	1.60E+00	x	4.75E-04	x	0.1	=	7.60E-05	3.2
2,3,4,6,7,8-HxCDF	1.60E+00	x	4.75E-04	x	0.1	=	7.60E-05	3.2
1,2,3,4,6,7,8-HpCDF	9.10E+00	x	4.75E-04	x	0.01	=	4.33E-05	1.8
1,2,3,4,7,8,9-HpCDF	9.10E+00	x	4.75E-04	x	0.01	=	4.33E-05	1.8
OCDF	2.30E+01	x	4.75E-04	x	0.0003	=	3.28E-06	0.1
PCB-77	3.00E+00	x	5.57E-04	x	0.0001	=	1.67E-07	0.0
PCB-81	3.30E+00	x	5.57E-04	x	0.0003	=	5.52E-07	0.0
PCB-126	3.60E+00	x	5.57E-04	x	0.1	=	2.01E-04	8.5
PCB-169	3.50E+00	x	5.57E-04	x	0.03	=	5.85E-05	2.5
PCB-105	3.30E+02	x	5.57E-04	x	0.00003	=	5.52E-06	0.2
PCB-114	1.10E+01	x	5.57E-04	x	0.00003	=	1.84E-07	0.0
PCB-118	6.90E+02	x	5.57E-04	x	0.00003	=	1.15E-05	0.5
PCB-123	1.20E+01	x	5.57E-04	x	0.00003	=	2.01E-07	0.0
PCB-156	1.00E+02	x	5.57E-04	x	0.00003	=	1.67E-06	0.1
PCB-157	4.20E+01	x	5.57E-04	x	0.00003	=	7.02E-07	0.0
PCB-167	4.80E+01	x	5.57E-04	x	0.00003	=	8.02E-07	0.0
PCB-189	1.20E+01	x	5.57E-04	x	0.00003	=	2.01E-07	0.0

Total WHO-TEQ ADE	**2.37E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.00**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

This worksheet should be used only in conjunction with *Soil Guideline Values for dioxins, furans and dioxin-like PCBs in soil, Science Report SC050021 / Dioxins SGV*

For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	4.50E-01	x	4.75E-04	x	1	=	2.14E-04	9.7
1,2,3,7,8-PeCDD	6.10E-01	x	4.75E-04	x	1	=	2.90E-04	13.2
1,2,3,4,7,8-HxCDD	1.20E+00	x	4.75E-04	x	0.1	=	5.70E-05	2.6
1,2,3,6,7,8-HxCDD	2.40E+00	x	4.75E-04	x	0.1	=	1.14E-04	5.2
1,2,3,7,8,9-HxCDD	1.20E+00	x	4.75E-04	x	0.1	=	5.70E-05	2.6
1,2,3,4,6,7,8-HpCDD	5.50E+01	x	4.75E-04	x	0.01	=	2.61E-04	11.9
OCDD	4.30E+01	x	4.75E-04	x	0.0003	=	6.13E-06	0.3
2,3,7,8-TCDF	3.30E+00	x	4.75E-04	x	0.1	=	1.57E-04	7.1
1,2,3,7,8-PeCDF	1.20E+00	x	4.75E-04	x	0.03	=	1.71E-05	0.8
2,3,4,7,8-PeCDF	1.20E+00	x	4.75E-04	x	0.3	=	1.71E-04	7.8
1,2,3,4,7,8-HxCDF	3.00E+00	x	4.75E-04	x	0.1	=	1.43E-04	6.5
1,2,3,7,8,9-HxCDF	1.50E+00	x	4.75E-04	x	0.1	=	7.13E-05	3.2
1,2,3,6,7,8-HxCDF	3.00E+00	x	4.75E-04	x	0.1	=	1.43E-04	6.5
2,3,4,6,7,8-HxCDF	3.00E+00	x	4.75E-04	x	0.1	=	1.43E-04	6.5
1,2,3,4,6,7,8-HpCDF	1.70E+01	x	4.75E-04	x	0.01	=	8.08E-05	3.7
1,2,3,4,7,8,9-HpCDF	8.70E+00	x	4.75E-04	x	0.01	=	4.13E-05	1.9
OCDF	1.20E+01	x	4.75E-04	x	0.0003	=	1.71E-06	0.1
PCB-77	9.00E+01	x	5.57E-04	x	0.0001	=	5.01E-06	0.2
PCB-81	2.50E+00	x	5.57E-04	x	0.0003	=	4.18E-07	0.0
PCB-126	2.60E+00	x	5.57E-04	x	0.1	=	1.45E-04	6.6
PCB-169	3.80E+00	x	5.57E-04	x	0.03	=	6.35E-05	2.9
PCB-105	2.50E+02	x	5.57E-04	x	0.00003	=	4.18E-06	0.2
PCB-114	1.90E+00	x	5.57E-04	x	0.00003	=	3.18E-08	0.0
PCB-118	4.60E+02	x	5.57E-04	x	0.00003	=	7.69E-06	0.3
PCB-123	2.10E+00	x	5.57E-04	x	0.00003	=	3.51E-08	0.0
PCB-156	1.90E+02	x	5.57E-04	x	0.00003	=	3.18E-06	0.1
PCB-157	1.70E+01	x	5.57E-04	x	0.00003	=	2.84E-07	0.0
PCB-167	8.60E+01	x	5.57E-04	x	0.00003	=	1.44E-06	0.1
PCB-189	4.60E+01	x	5.57E-04	x	0.00003	=	7.69E-07	0.0

Total WHO-TEQ ADE	**2.20E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.00**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

This worksheet should be used only in conjunction with *Soil Guideline Values for dioxins, furans and dioxin-like PCBs in soil, Science Report SC050021 / Dioxins SGV*

For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	4.20E-01	x	4.75E-04	x	1	=	2.00E-04	10.2
1,2,3,7,8-PeCDD	6.20E-01	x	4.75E-04	x	1	=	2.95E-04	15.1
1,2,3,4,7,8-HxCDD	1.40E+00	x	4.75E-04	x	0.1	=	6.65E-05	3.4
1,2,3,6,7,8-HxCDD	1.40E+00	x	4.75E-04	x	0.1	=	6.65E-05	3.4
1,2,3,7,8,9-HxCDD	1.40E+00	x	4.75E-04	x	0.1	=	6.65E-05	3.4
1,2,3,4,6,7,8-HpCDD	3.50E+01	x	4.75E-04	x	0.01	=	1.66E-04	8.5
OCDD	2.60E+02	x	4.75E-04	x	0.0003	=	3.71E-05	1.9
2,3,7,8-TCDF	1.10E+00	x	4.75E-04	x	0.1	=	5.23E-05	2.7
1,2,3,7,8-PeCDF	6.90E-01	x	4.75E-04	x	0.03	=	9.84E-06	0.5
2,3,4,7,8-PeCDF	6.90E-01	x	4.75E-04	x	0.3	=	9.84E-05	5.0
1,2,3,4,7,8-HxCDF	1.30E+00	x	4.75E-04	x	0.1	=	6.18E-05	3.2
1,2,3,7,8,9-HxCDF	1.30E+00	x	4.75E-04	x	0.1	=	6.18E-05	3.2
1,2,3,6,7,8-HxCDF	2.50E+00	x	4.75E-04	x	0.1	=	1.19E-04	6.1
2,3,4,6,7,8-HxCDF	1.30E+00	x	4.75E-04	x	0.1	=	6.18E-05	3.2
1,2,3,4,6,7,8-HpCDF	9.00E+00	x	4.75E-04	x	0.01	=	4.28E-05	2.2
1,2,3,4,7,8,9-HpCDF	4.50E+00	x	4.75E-04	x	0.01	=	2.14E-05	1.1
OCDF	4.10E+00	x	4.75E-04	x	0.0003	=	5.85E-07	0.0
PCB-77	4.40E+01	x	5.57E-04	x	0.0001	=	2.45E-06	0.1
PCB-81	2.00E+01	x	5.57E-04	x	0.0003	=	3.34E-06	0.2
PCB-126	8.30E+00	x	5.57E-04	x	0.1	=	4.62E-04	23.7
PCB-169	2.30E+00	x	5.57E-04	x	0.03	=	3.84E-05	2.0
PCB-105	2.20E+02	x	5.57E-04	x	0.00003	=	3.68E-06	0.2
PCB-114	1.20E+01	x	5.57E-04	x	0.00003	=	2.01E-07	0.0
PCB-118	5.00E+02	x	5.57E-04	x	0.00003	=	8.36E-06	0.4
PCB-123	8.40E+00	x	5.57E-04	x	0.00003	=	1.40E-07	0.0
PCB-156	7.60E+01	x	5.57E-04	x	0.00003	=	1.27E-06	0.1
PCB-157	6.00E+01	x	5.57E-04	x	0.00003	=	1.00E-06	0.1
PCB-167	6.30E+01	x	5.57E-04	x	0.00003	=	1.05E-06	0.1
PCB-189	1.20E+01	x	5.57E-04	x	0.00003	=	2.01E-07	0.0

Total WHO-TEQ ADE	**1.95E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.00**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

This worksheet should be used only in conjunction with *Soil Guideline Values for dioxins, furans and dioxin-like PCBs in soil, Science Report SC050021 / Dioxins SGV*

For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	4.40E-01	x	4.75E-04	x	1	=	2.09E-04	2.3
1,2,3,7,8-PeCDD	7.60E-01	x	4.75E-04	x	1	=	3.61E-04	3.9
1,2,3,4,7,8-HxCDD	1.40E+00	x	4.75E-04	x	0.1	=	6.65E-05	0.7
1,2,3,6,7,8-HxCDD	1.10E+01	x	4.75E-04	x	0.1	=	5.23E-04	5.7
1,2,3,7,8,9-HxCDD	4.10E+00	x	4.75E-04	x	0.1	=	1.95E-04	2.1
1,2,3,4,6,7,8-HpCDD	1.80E+02	x	4.75E-04	x	0.01	=	8.56E-04	9.3
OCDD	1.30E+03	x	4.75E-04	x	0.0003	=	1.85E-04	2.0
2,3,7,8-TCDF	1.20E+01	x	4.75E-04	x	0.1	=	5.70E-04	6.2
1,2,3,7,8-PeCDF	7.70E+00	x	4.75E-04	x	0.03	=	1.10E-04	1.2
2,3,4,7,8-PeCDF	1.10E+01	x	4.75E-04	x	0.3	=	1.57E-03	17.1
1,2,3,4,7,8-HxCDF	1.50E+01	x	4.75E-04	x	0.1	=	7.13E-04	7.8
1,2,3,7,8,9-HxCDF	3.20E+00	x	4.75E-04	x	0.1	=	1.52E-04	1.7
1,2,3,6,7,8-HxCDF	3.20E+01	x	4.75E-04	x	0.1	=	1.52E-03	16.6
2,3,4,6,7,8-HxCDF	1.20E+01	x	4.75E-04	x	0.1	=	5.70E-04	6.2
1,2,3,4,6,7,8-HpCDF	1.00E+02	x	4.75E-04	x	0.01	=	4.75E-04	5.2
1,2,3,4,7,8,9-HpCDF	5.40E+00	x	4.75E-04	x	0.01	=	2.57E-05	0.3
OCDF	6.40E+01	x	4.75E-04	x	0.0003	=	9.13E-06	0.1
PCB-77	6.80E+02	x	5.57E-04	x	0.0001	=	3.79E-05	0.4
PCB-81	7.00E+01	x	5.57E-04	x	0.0003	=	1.17E-05	0.1
PCB-126	1.30E+01	x	5.57E-04	x	0.1	=	7.24E-04	7.9
PCB-169	1.10E+01	x	5.57E-04	x	0.03	=	1.84E-04	2.0
PCB-105	1.50E+03	x	5.57E-04	x	0.00003	=	2.51E-05	0.3
PCB-114	9.50E+01	x	5.57E-04	x	0.00003	=	1.59E-06	0.0
PCB-118	3.60E+03	x	5.57E-04	x	0.00003	=	6.02E-05	0.7
PCB-123	1.00E+02	x	5.57E-04	x	0.00003	=	1.67E-06	0.0
PCB-156	6.80E+02	x	5.57E-04	x	0.00003	=	1.14E-05	0.1
PCB-157	1.10E+02	x	5.57E-04	x	0.00003	=	1.84E-06	0.0
PCB-167	2.90E+02	x	5.57E-04	x	0.00003	=	4.85E-06	0.1
PCB-189	1.40E+02	x	5.57E-04	x	0.00003	=	2.34E-06	0.0

Total WHO-TEQ ADE	**9.18E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.01**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

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For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	8.80E-01	x	4.75E-04	x	1	=	4.18E-04	12.3
1,2,3,7,8-PeCDD	1.90E+00	x	4.75E-04	x	1	=	9.03E-04	26.6
1,2,3,4,7,8-HxCDD	1.70E+00	x	4.75E-04	x	0.1	=	8.08E-05	2.4
1,2,3,6,7,8-HxCDD	1.70E+00	x	4.75E-04	x	0.1	=	8.08E-05	2.4
1,2,3,7,8,9-HxCDD	1.70E+00	x	4.75E-04	x	0.1	=	8.08E-05	2.4
1,2,3,4,6,7,8-HpCDD	6.10E+00	x	4.75E-04	x	0.01	=	2.90E-05	0.9
OCDD	7.60E+01	x	4.75E-04	x	0.0003	=	1.08E-05	0.3
2,3,7,8-TCDF	6.30E-01	x	4.75E-04	x	0.1	=	2.99E-05	0.9
1,2,3,7,8-PeCDF	1.10E+00	x	4.75E-04	x	0.03	=	1.57E-05	0.5
2,3,4,7,8-PeCDF	1.10E+00	x	4.75E-04	x	0.3	=	1.57E-04	4.6
1,2,3,4,7,8-HxCDF	1.60E+00	x	4.75E-04	x	0.1	=	7.60E-05	2.2
1,2,3,7,8,9-HxCDF	1.60E+00	x	4.75E-04	x	0.1	=	7.60E-05	2.2
1,2,3,6,7,8-HxCDF	1.60E+00	x	4.75E-04	x	0.1	=	7.60E-05	2.2
2,3,4,6,7,8-HxCDF	1.60E+00	x	4.75E-04	x	0.1	=	7.60E-05	2.2
1,2,3,4,6,7,8-HpCDF	1.50E+01	x	4.75E-04	x	0.01	=	7.13E-05	2.1
1,2,3,4,7,8,9-HpCDF	7.30E+00	x	4.75E-04	x	0.01	=	3.47E-05	1.0
OCDF	1.90E+01	x	4.75E-04	x	0.0003	=	2.71E-06	0.1
PCB-77	8.00E+01	x	5.57E-04	x	0.0001	=	4.46E-06	0.1
PCB-81	2.30E+00	x	5.57E-04	x	0.0003	=	3.84E-07	0.0
PCB-126	7.80E+00	x	5.57E-04	x	0.1	=	4.35E-04	12.8
PCB-169	4.40E+01	x	5.57E-04	x	0.03	=	7.35E-04	21.6
PCB-105	8.30E+01	x	5.57E-04	x	0.00003	=	1.39E-06	0.0
PCB-114	1.20E+00	x	5.57E-04	x	0.00003	=	2.01E-08	0.0
PCB-118	2.10E+02	x	5.57E-04	x	0.00003	=	3.51E-06	0.1
PCB-123	1.60E+00	x	5.57E-04	x	0.00003	=	2.67E-08	0.0
PCB-156	3.80E+01	x	5.57E-04	x	0.00003	=	6.35E-07	0.0
PCB-157	2.00E+00	x	5.57E-04	x	0.00003	=	3.34E-08	0.0
PCB-167	2.40E+01	x	5.57E-04	x	0.00003	=	4.01E-07	0.0
PCB-189	6.40E+01	x	5.57E-04	x	0.00003	=	1.07E-06	0.0

Total WHO-TEQ ADE	**3.40E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.00**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

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For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	4.30E-01	x	4.75E-04	x	1	=	2.04E-04	1.8
1,2,3,7,8-PeCDD	6.10E-01	x	4.75E-04	x	1	=	2.90E-04	2.6
1,2,3,4,7,8-HxCDD	2.70E+00	x	4.75E-04	x	0.1	=	1.28E-04	1.2
1,2,3,6,7,8-HxCDD	1.30E+01	x	4.75E-04	x	0.1	=	6.18E-04	5.5
1,2,3,7,8,9-HxCDD	6.90E+00	x	4.75E-04	x	0.1	=	3.28E-04	2.9
1,2,3,4,6,7,8-HpCDD	2.70E+02	x	4.75E-04	x	0.01	=	1.28E-03	11.5
OCDD	2.20E+03	x	4.75E-04	x	0.0003	=	3.14E-04	2.8
2,3,7,8-TCDF	2.40E+00	x	4.75E-04	x	0.1	=	1.14E-04	1.0
1,2,3,7,8-PeCDF	2.90E+00	x	4.75E-04	x	0.03	=	4.14E-05	0.4
2,3,4,7,8-PeCDF	2.90E+00	x	4.75E-04	x	0.3	=	4.14E-04	3.7
1,2,3,4,7,8-HxCDF	3.60E+01	x	4.75E-04	x	0.1	=	1.71E-03	15.4
1,2,3,7,8,9-HxCDF	5.00E+00	x	4.75E-04	x	0.1	=	2.38E-04	2.1
1,2,3,6,7,8-HxCDF	3.90E+01	x	4.75E-04	x	0.1	=	1.85E-03	16.6
2,3,4,6,7,8-HxCDF	1.60E+01	x	4.75E-04	x	0.1	=	7.60E-04	6.8
1,2,3,4,6,7,8-HpCDF	2.30E+02	x	4.75E-04	x	0.01	=	1.09E-03	9.8
1,2,3,4,7,8,9-HpCDF	3.80E+01	x	4.75E-04	x	0.01	=	1.81E-04	1.6
OCDF	3.00E+02	x	4.75E-04	x	0.0003	=	4.28E-05	0.4
PCB-77	1.20E+03	x	5.57E-04	x	0.0001	=	6.69E-05	0.6
PCB-81	3.10E+00	x	5.57E-04	x	0.0003	=	5.18E-07	0.0
PCB-126	1.40E+01	x	5.57E-04	x	0.1	=	7.80E-04	7.0
PCB-169	2.90E+01	x	5.57E-04	x	0.03	=	4.85E-04	4.3
PCB-105	3.40E+03	x	5.57E-04	x	0.00003	=	5.68E-05	0.5
PCB-114	1.10E+02	x	5.57E-04	x	0.00003	=	1.84E-06	0.0
PCB-118	6.40E+03	x	5.57E-04	x	0.00003	=	1.07E-04	1.0
PCB-123	1.00E+02	x	5.57E-04	x	0.00003	=	1.67E-06	0.0
PCB-156	1.00E+03	x	5.57E-04	x	0.00003	=	1.67E-05	0.1
PCB-157	1.80E+02	x	5.57E-04	x	0.00003	=	3.01E-06	0.0
PCB-167	4.80E+02	x	5.57E-04	x	0.00003	=	8.02E-06	0.1
PCB-189	7.40E+01	x	5.57E-04	x	0.00003	=	1.24E-06	0.0

Total WHO-TEQ ADE	**1.11E-02**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.01**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

This worksheet should be used only in conjunction with *Soil Guideline Values for dioxins, furans and dioxin-like PCBs in soil, Science Report SC050021 / Dioxins SGV*

For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	7.00E-01	x	4.75E-04	x	1	=	3.33E-04	1.8
1,2,3,7,8-PeCDD	1.70E+00	x	4.75E-04	x	1	=	8.08E-04	4.4
1,2,3,4,7,8-HxCDD	5.10E+00	x	4.75E-04	x	0.1	=	2.42E-04	1.3
1,2,3,6,7,8-HxCDD	2.10E+01	x	4.75E-04	x	0.1	=	9.98E-04	5.5
1,2,3,7,8,9-HxCDD	8.30E+00	x	4.75E-04	x	0.1	=	3.94E-04	2.2
1,2,3,4,6,7,8-HpCDD	1.10E+03	x	4.75E-04	x	0.01	=	5.23E-03	28.7
OCDD	9.70E+03	x	4.75E-04	x	0.0003	=	1.38E-03	7.6
2,3,7,8-TCDF	5.60E+00	x	4.75E-04	x	0.1	=	2.66E-04	1.5
1,2,3,7,8-PeCDF	2.30E+00	x	4.75E-04	x	0.03	=	3.28E-05	0.2
2,3,4,7,8-PeCDF	2.30E+00	x	4.75E-04	x	0.3	=	3.28E-04	1.8
1,2,3,4,7,8-HxCDF	7.20E+00	x	4.75E-04	x	0.1	=	3.42E-04	1.9
1,2,3,7,8,9-HxCDF	2.00E+00	x	4.75E-04	x	0.1	=	9.51E-05	0.5
1,2,3,6,7,8-HxCDF	6.50E+00	x	4.75E-04	x	0.1	=	3.09E-04	1.7
2,3,4,6,7,8-HxCDF	5.10E+00	x	4.75E-04	x	0.1	=	2.42E-04	1.3
1,2,3,4,6,7,8-HpCDF	1.50E+02	x	4.75E-04	x	0.01	=	7.13E-04	3.9
1,2,3,4,7,8,9-HpCDF	1.90E+01	x	4.75E-04	x	0.01	=	9.03E-05	0.5
OCDF	7.30E+02	x	4.75E-04	x	0.0003	=	1.04E-04	0.6
PCB-77	1.20E+04	x	5.57E-04	x	0.0001	=	6.69E-04	3.7
PCB-81	3.30E+02	x	5.57E-04	x	0.0003	=	5.52E-05	0.3
PCB-126	5.10E+01	x	5.57E-04	x	0.1	=	2.84E-03	15.6
PCB-169	2.60E+01	x	5.57E-04	x	0.03	=	4.34E-04	2.4
PCB-105	3.60E+04	x	5.57E-04	x	0.00003	=	6.02E-04	3.3
PCB-114	1.90E+03	x	5.57E-04	x	0.00003	=	3.18E-05	0.2
PCB-118	8.70E+04	x	5.57E-04	x	0.00003	=	1.45E-03	8.0
PCB-123	1.10E+03	x	5.57E-04	x	0.00003	=	1.84E-05	0.1
PCB-156	8.40E+03	x	5.57E-04	x	0.00003	=	1.40E-04	0.8
PCB-157	2.30E+03	x	5.57E-04	x	0.00003	=	3.84E-05	0.2
PCB-167	2.60E+03	x	5.57E-04	x	0.00003	=	4.35E-05	0.2
PCB-189	3.90E+02	x	5.57E-04	x	0.00003	=	6.52E-06	0.0

Total WHO-TEQ ADE	**1.82E-02**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.01**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

This worksheet should be used only in conjunction with *Soil Guideline Values for dioxins, furans and dioxin-like PCBs in soil, Science Report SC050021 / Dioxins SGV*

For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	2.20E+00	x	4.75E-04	x	1	=	1.05E-03	4.0
1,2,3,7,8-PeCDD	2.60E+00	x	4.75E-04	x	1	=	1.24E-03	4.7
1,2,3,4,7,8-HxCDD	4.50E+00	x	4.75E-04	x	0.1	=	2.14E-04	0.8
1,2,3,6,7,8-HxCDD	2.00E+01	x	4.75E-04	x	0.1	=	9.51E-04	3.6
1,2,3,7,8,9-HxCDD	7.30E+00	x	4.75E-04	x	0.1	=	3.47E-04	1.3
1,2,3,4,6,7,8-HpCDD	4.50E+02	x	4.75E-04	x	0.01	=	2.14E-03	8.2
OCDD	2.80E+03	x	4.75E-04	x	0.0003	=	3.99E-04	1.5
2,3,7,8-TCDF	2.70E+01	x	4.75E-04	x	0.1	=	1.28E-03	4.9
1,2,3,7,8-PeCDF	1.10E+01	x	4.75E-04	x	0.03	=	1.57E-04	0.6
2,3,4,7,8-PeCDF	1.90E+01	x	4.75E-04	x	0.3	=	2.71E-03	10.4
1,2,3,4,7,8-HxCDF	2.50E+01	x	4.75E-04	x	0.1	=	1.19E-03	4.6
1,2,3,7,8,9-HxCDF	7.00E+00	x	4.75E-04	x	0.1	=	3.33E-04	1.3
1,2,3,6,7,8-HxCDF	2.50E+01	x	4.75E-04	x	0.1	=	1.19E-03	4.6
2,3,4,6,7,8-HxCDF	2.20E+01	x	4.75E-04	x	0.1	=	1.05E-03	4.0
1,2,3,4,6,7,8-HpCDF	1.40E+02	x	4.75E-04	x	0.01	=	6.65E-04	2.5
1,2,3,4,7,8,9-HpCDF	9.20E+00	x	4.75E-04	x	0.01	=	4.37E-05	0.2
OCDF	1.00E+02	x	4.75E-04	x	0.0003	=	1.43E-05	0.1
PCB-77	8.20E+03	x	5.57E-04	x	0.0001	=	4.57E-04	1.7
PCB-81	3.40E+02	x	5.57E-04	x	0.0003	=	5.68E-05	0.2
PCB-126	1.60E+02	x	5.57E-04	x	0.1	=	8.91E-03	34.1
PCB-169	1.50E+01	x	5.57E-04	x	0.03	=	2.51E-04	1.0
PCB-105	2.40E+04	x	5.57E-04	x	0.00003	=	4.01E-04	1.5
PCB-114	1.50E+03	x	5.57E-04	x	0.00003	=	2.51E-05	0.1
PCB-118	5.00E+04	x	5.57E-04	x	0.00003	=	8.36E-04	3.2
PCB-123	1.30E+03	x	5.57E-04	x	0.00003	=	2.17E-05	0.1
PCB-156	6.50E+03	x	5.57E-04	x	0.00003	=	1.09E-04	0.4
PCB-157	9.50E+02	x	5.57E-04	x	0.00003	=	1.59E-05	0.1
PCB-167	3.10E+03	x	5.57E-04	x	0.00003	=	5.18E-05	0.2
PCB-189	8.80E+02	x	5.57E-04	x	0.00003	=	1.47E-05	0.1

Total WHO-TEQ ADE	**2.61E-02**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.02**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

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For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	4.20E-01	x	4.75E-04	x	1	=	2.00E-04	1.2
1,2,3,7,8-PeCDD	5.40E-01	x	4.75E-04	x	1	=	2.57E-04	1.5
1,2,3,4,7,8-HxCDD	2.50E+00	x	4.75E-04	x	0.1	=	1.19E-04	0.7
1,2,3,6,7,8-HxCDD	4.90E+00	x	4.75E-04	x	0.1	=	2.33E-04	1.4
1,2,3,7,8,9-HxCDD	2.50E+00	x	4.75E-04	x	0.1	=	1.19E-04	0.7
1,2,3,4,6,7,8-HpCDD	6.70E+01	x	4.75E-04	x	0.01	=	3.18E-04	1.9
OCDD	3.40E+02	x	4.75E-04	x	0.0003	=	4.85E-05	0.3
2,3,7,8-TCDF	2.10E+01	x	4.75E-04	x	0.1	=	9.98E-04	5.8
1,2,3,7,8-PeCDF	6.50E+00	x	4.75E-04	x	0.03	=	9.27E-05	0.5
2,3,4,7,8-PeCDF	2.90E+00	x	4.75E-04	x	0.3	=	4.14E-04	2.4
1,2,3,4,7,8-HxCDF	9.50E+00	x	4.75E-04	x	0.1	=	4.52E-04	2.6
1,2,3,7,8,9-HxCDF	1.80E+00	x	4.75E-04	x	0.1	=	8.56E-05	0.5
1,2,3,6,7,8-HxCDF	1.30E+01	x	4.75E-04	x	0.1	=	6.18E-04	3.6
2,3,4,6,7,8-HxCDF	6.50E+00	x	4.75E-04	x	0.1	=	3.09E-04	1.8
1,2,3,4,6,7,8-HpCDF	4.80E+01	x	4.75E-04	x	0.01	=	2.28E-04	1.3
1,2,3,4,7,8,9-HpCDF	2.40E+01	x	4.75E-04	x	0.01	=	1.14E-04	0.7
OCDF	3.30E+01	x	4.75E-04	x	0.0003	=	4.71E-06	0.0
PCB-77	1.40E+03	x	5.57E-04	x	0.0001	=	7.80E-05	0.5
PCB-81	1.80E+02	x	5.57E-04	x	0.0003	=	3.01E-05	0.2
PCB-126	8.00E+00	x	5.57E-04	x	0.1	=	4.46E-04	2.6
PCB-169	7.10E+02	x	5.57E-04	x	0.03	=	1.19E-02	69.4
PCB-105	5.90E+02	x	5.57E-04	x	0.00003	=	9.86E-06	0.1
PCB-114	2.70E+01	x	5.57E-04	x	0.00003	=	4.51E-07	0.0
PCB-118	1.50E+03	x	5.57E-04	x	0.00003	=	2.51E-05	0.1
PCB-123	2.20E+01	x	5.57E-04	x	0.00003	=	3.68E-07	0.0
PCB-156	5.90E+02	x	5.57E-04	x	0.00003	=	9.86E-06	0.1
PCB-157	4.80E+02	x	5.57E-04	x	0.00003	=	8.02E-06	0.0
PCB-167	7.70E+02	x	5.57E-04	x	0.00003	=	1.29E-05	0.1
PCB-189	2.20E+02	x	5.57E-04	x	0.00003	=	3.68E-06	0.0

Total WHO-TEQ ADE	**1.71E-02**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.01**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

This worksheet should be used only in conjunction with *Soil Guideline Values for dioxins, furans and dioxin-like PCBs in soil, Science Report SC050021 / Dioxins SGV*

For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	5.50E-01	x	4.75E-04	x	1	=	2.61E-04	9.2
1,2,3,7,8-PeCDD	6.60E-01	x	4.75E-04	x	1	=	3.14E-04	11.0
1,2,3,4,7,8-HxCDD	1.50E+00	x	4.75E-04	x	0.1	=	7.13E-05	2.5
1,2,3,6,7,8-HxCDD	1.50E+00	x	4.75E-04	x	0.1	=	7.13E-05	2.5
1,2,3,7,8,9-HxCDD	1.50E+00	x	4.75E-04	x	0.1	=	7.13E-05	2.5
1,2,3,4,6,7,8-HpCDD	1.80E+01	x	4.75E-04	x	0.01	=	8.56E-05	3.0
OCDD	1.00E+02	x	4.75E-04	x	0.0003	=	1.43E-05	0.5
2,3,7,8-TCDF	2.40E+00	x	4.75E-04	x	0.1	=	1.14E-04	4.0
1,2,3,7,8-PeCDF	1.90E+00	x	4.75E-04	x	0.03	=	2.71E-05	1.0
2,3,4,7,8-PeCDF	1.90E+00	x	4.75E-04	x	0.3	=	2.71E-04	9.5
1,2,3,4,7,8-HxCDF	2.00E+00	x	4.75E-04	x	0.1	=	9.51E-05	3.3
1,2,3,7,8,9-HxCDF	2.00E+00	x	4.75E-04	x	0.1	=	9.51E-05	3.3
1,2,3,6,7,8-HxCDF	2.00E+00	x	4.75E-04	x	0.1	=	9.51E-05	3.3
2,3,4,6,7,8-HxCDF	2.00E+00	x	4.75E-04	x	0.1	=	9.51E-05	3.3
1,2,3,4,6,7,8-HpCDF	1.20E+01	x	4.75E-04	x	0.01	=	5.70E-05	2.0
1,2,3,4,7,8,9-HpCDF	1.20E+01	x	4.75E-04	x	0.01	=	5.70E-05	2.0
OCDF	1.50E+01	x	4.75E-04	x	0.0003	=	2.14E-06	0.1
PCB-77	6.20E+01	x	5.57E-04	x	0.0001	=	3.45E-06	0.1
PCB-81	1.30E+01	x	5.57E-04	x	0.0003	=	2.17E-06	0.1
PCB-126	1.30E+01	x	5.57E-04	x	0.1	=	7.24E-04	25.4
PCB-169	4.30E+00	x	5.57E-04	x	0.03	=	7.19E-05	2.5
PCB-105	4.00E+03	x	5.57E-04	x	0.00003	=	6.68E-05	2.3
PCB-114	1.80E+02	x	5.57E-04	x	0.00003	=	3.01E-06	0.1
PCB-118	8.50E+03	x	5.57E-04	x	0.00003	=	1.42E-04	5.0
PCB-123	1.30E+02	x	5.57E-04	x	0.00003	=	2.17E-06	0.1
PCB-156	1.20E+03	x	5.57E-04	x	0.00003	=	2.01E-05	0.7
PCB-157	2.70E+02	x	5.57E-04	x	0.00003	=	4.51E-06	0.2
PCB-167	4.50E+02	x	5.57E-04	x	0.00003	=	7.52E-06	0.3
PCB-189	3.10E+01	x	5.57E-04	x	0.00003	=	5.18E-07	0.0

Total WHO-TEQ ADE	**2.85E-03**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.00**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

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For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	5.20E-01	x	4.75E-04	x	1	=	2.47E-04	1.1
1,2,3,7,8-PeCDD	2.70E+00	x	4.75E-04	x	1	=	1.28E-03	5.6
1,2,3,4,7,8-HxCDD	2.90E+00	x	4.75E-04	x	0.1	=	1.38E-04	0.6
1,2,3,6,7,8-HxCDD	5.50E+01	x	4.75E-04	x	0.1	=	2.61E-03	11.3
1,2,3,7,8,9-HxCDD	5.10E+00	x	4.75E-04	x	0.1	=	2.42E-04	1.0
1,2,3,4,6,7,8-HpCDD	2.00E+03	x	4.75E-04	x	0.01	=	9.51E-03	41.1
OCDD	1.90E+04	x	4.75E-04	x	0.0003	=	2.71E-03	11.7
2,3,7,8-TCDF	4.20E+00	x	4.75E-04	x	0.1	=	2.00E-04	0.9
1,2,3,7,8-PeCDF	2.60E+00	x	4.75E-04	x	0.03	=	3.71E-05	0.2
2,3,4,7,8-PeCDF	5.00E+00	x	4.75E-04	x	0.3	=	7.13E-04	3.1
1,2,3,4,7,8-HxCDF	4.40E+00	x	4.75E-04	x	0.1	=	2.09E-04	0.9
1,2,3,7,8,9-HxCDF	1.10E+00	x	4.75E-04	x	0.1	=	5.23E-05	0.2
1,2,3,6,7,8-HxCDF	5.80E+00	x	4.75E-04	x	0.1	=	2.76E-04	1.2
2,3,4,6,7,8-HxCDF	3.00E+00	x	4.75E-04	x	0.1	=	1.43E-04	0.6
1,2,3,4,6,7,8-HpCDF	1.70E+02	x	4.75E-04	x	0.01	=	8.08E-04	3.5
1,2,3,4,7,8,9-HpCDF	7.30E+00	x	4.75E-04	x	0.01	=	3.47E-05	0.2
OCDF	6.30E+02	x	4.75E-04	x	0.0003	=	8.98E-05	0.4
PCB-77	5.00E+03	x	5.57E-04	x	0.0001	=	2.79E-04	1.2
PCB-81	2.00E+02	x	5.57E-04	x	0.0003	=	3.34E-05	0.1
PCB-126	5.10E+01	x	5.57E-04	x	0.1	=	2.84E-03	12.3
PCB-169	1.50E+01	x	5.57E-04	x	0.03	=	2.51E-04	1.1
PCB-105	6.60E+03	x	5.57E-04	x	0.00003	=	1.10E-04	0.5
PCB-114	4.50E+02	x	5.57E-04	x	0.00003	=	7.52E-06	0.0
PCB-118	1.30E+04	x	5.57E-04	x	0.00003	=	2.17E-04	0.9
PCB-123	3.50E+02	x	5.57E-04	x	0.00003	=	5.85E-06	0.0
PCB-156	2.30E+03	x	5.57E-04	x	0.00003	=	3.84E-05	0.2
PCB-157	4.20E+02	x	5.57E-04	x	0.00003	=	7.02E-06	0.0
PCB-167	1.10E+03	x	5.57E-04	x	0.00003	=	1.84E-05	0.1
PCB-189	3.60E+02	x	5.57E-04	x	0.00003	=	6.02E-06	0.0

Total WHO-TEQ ADE	**2.31E-02**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.02**	

PCDDs, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario

This worksheet should be used only in conjunction with *Soil Guideline Values for dioxins, furans and dioxin-like PCBs in soil, Science Report SC050021 / Dioxins SGV*

For each congener/compound, enter the site-specific representative soil concentration in the respective grey box. The Hazard Index is the ratio of the total soil exposure to the oral TDSI.

Substance	Soil Concentration		Exposure Factor		TEF		Average Daily Exposure	Contribution to ADE
	ng kg^{-1} DW		pg kg^{-1} BW day^{-1} per ng kg^{-1} DW soil		-		pg WHO-TEQ kg^{-1} BW day^{-1}	%
2,3,7,8-TCDD	6.60E-01	x	4.75E-04	x	1	=	3.14E-04	1.1
1,2,3,7,8-PeCDD	8.20E-01	x	4.75E-04	x	1	=	3.90E-04	1.4
1,2,3,4,7,8-HxCDD	8.20E+00	x	4.75E-04	x	0.1	=	3.90E-04	1.4
1,2,3,6,7,8-HxCDD	1.40E+02	x	4.75E-04	x	0.1	=	6.65E-03	23.4
1,2,3,7,8,9-HxCDD	2.60E+01	x	4.75E-04	x	0.1	=	1.24E-03	4.3
1,2,3,4,6,7,8-HpCDD	1.00E+03	x	4.75E-04	x	0.01	=	4.75E-03	16.7
OCDD	1.60E+03	x	4.75E-04	x	0.0003	=	2.28E-04	0.8
2,3,7,8-TCDF	8.50E+00	x	4.75E-04	x	0.1	=	4.04E-04	1.4
1,2,3,7,8-PeCDF	4.50E+00	x	4.75E-04	x	0.03	=	6.42E-05	0.2
2,3,4,7,8-PeCDF	5.30E+00	x	4.75E-04	x	0.3	=	7.56E-04	2.7
1,2,3,4,7,8-HxCDF	2.10E+01	x	4.75E-04	x	0.1	=	9.98E-04	3.5
1,2,3,7,8,9-HxCDF	1.40E+00	x	4.75E-04	x	0.1	=	6.65E-05	0.2
1,2,3,6,7,8-HxCDF	2.80E+01	x	4.75E-04	x	0.1	=	1.33E-03	4.7
2,3,4,6,7,8-HxCDF	1.50E+01	x	4.75E-04	x	0.1	=	7.13E-04	2.5
1,2,3,4,6,7,8-HpCDF	5.60E+02	x	4.75E-04	x	0.01	=	2.66E-03	9.4
1,2,3,4,7,8,9-HpCDF	1.90E+01	x	4.75E-04	x	0.01	=	9.03E-05	0.3
OCDF	3.80E+02	x	4.75E-04	x	0.0003	=	5.42E-05	0.2
PCB-77	1.20E+03	x	5.57E-04	x	0.0001	=	6.69E-05	0.2
PCB-81	3.60E+02	x	5.57E-04	x	0.0003	=	6.02E-05	0.2
PCB-126	1.70E+01	x	5.57E-04	x	0.1	=	9.47E-04	3.3
PCB-169	3.30E+02	x	5.57E-04	x	0.03	=	5.51E-03	19.4
PCB-105	1.10E+04	x	5.57E-04	x	0.00003	=	1.84E-04	0.6
PCB-114	3.20E+02	x	5.57E-04	x	0.00003	=	5.35E-06	0.0
PCB-118	2.10E+04	x	5.57E-04	x	0.00003	=	3.51E-04	1.2
PCB-123	3.50E+02	x	5.57E-04	x	0.00003	=	5.85E-06	0.0
PCB-156	2.30E+03	x	5.57E-04	x	0.00003	=	3.84E-05	0.1
PCB-157	1.40E+03	x	5.57E-04	x	0.00003	=	2.34E-05	0.1
PCB-167	6.20E+03	x	5.57E-04	x	0.00003	=	1.04E-04	0.4
PCB-189	3.60E+02	x	5.57E-04	x	0.00003	=	6.02E-06	0.0

Total WHO-TEQ ADE	**2.84E-02**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
TDSI	**1.30E+00**	**pg WHO-TEQ kg^{-1} BW day^{-1}**
Hazard Index	**0.02**	

Appendix F- Ground Gas Generic Quantitative Risk Assessment

Appendix F

F1 Vapour Risk Assessment Notes

F1.1 Vapour Monitoring

F1.1.1 Vapour samples have been obtained from boreholes installed at each phase of the landfill investigation; an initial sampling round was completed in March 2017 in the boreholes installed as part of the 2016 landfill investigation (Long-term monitoring wells). Further rounds have been completed between July 2018 to March 2019, incorporating the monitoring wells installed during the WVP and LTCP investigations completed in 2018. Monitoring wells sampled included; LF-BH12A, LF-BH10G, LF-BH08G, LF-BH05G, LF-BH03G, LF-BH04G, LF-BH09, LF-BH07, LF-BH06 and LF-BH02 (long-term monitoring wells), BH201, BH203, BH204, BH207, BH213, BH219, BH220, BH226, BWS203, BWS213, BWS2016, WS206 (WVP) and BH216, BH222, BH223, BH232, BWS217, WS224 (LTCP). The vapour samples were obtained by the use of either pressurised gas containers or gas bags which were subsequently tested in the laboratory for;

- bulk gases i.e. methane, carbon dioxide, oxygen etc;
- speciated volatile organic compounds (VOCs);
- odourant gas analysis (hydrogen sulphide);
- C1-C7 hydrocarbons (alkanes & alkene);
- total petroleum hydrocarbon (TPH) in gas samples (aliphatic and aromatic C4 to C12); and
- dioxins and furans.

F1.1.2 During the latest monitoring period samples were collected over an 8-month period, July 2018 to March 2019. The vapour sampling schedule is detailed in Table 1.

Table 1 Vapour Sampling Schedule

Phase of Investigation	No. Samples/ Exploratory Hole I.D.s	Sampling Dates	Report No./Analysis Suites
Landfill SI 2016 (Long-term monitoring wells)	10: LF-BH12A, LF-BH10G, LF-BH08G, LF-BH05G, LF-BH03G, LF-BH04G, LF-BH09, LF-BH07, LF-BH06 and LF-BH02	March 2017	
	7: BH06, BH07, BH12A, BH03G, BH05G, BH08G, BH10GA	July 2018	*Report No. 469912 (VOCs, TPH in Gas, Bulk Gas, Odourant Gas, TICs)*

Phase of Investigation	No. Samples/ Exploratory Hole I.D.s	Sampling Dates	Report No./Analysis Suites
			Report No. 756028 *(Dioxins and Furans, Butane, Propane, Ethane and Ethene, arsenic, mercury, acetaldehyde, formaldehyde, Total VOCs)*
	7: BH06, BH07, BH08, BH12A, BH06A, BH03G, BH05G 4: BH07, BH12A, BH10GA	September 2018	*Round 1:* *Report No. 498384* *(VOCs, TPH in Gas, Odourant Gas, Bulk Gas, TICs, hydrogen sulphide)* *Report No. 766984 (Dioxins and Furans, Butane, Propane, Ethane and Ethene, arsenic,* *mercury, acetaldehyde, formaldehyde)* *(VOC suite A)*
	4: BH03G, BH08G, BH06, BH05G,	September 2018	*Round 2:* *Report No. 768868-1* (VOC suite A)
	7: BH06, BH07, BH12A, BH06A, BH03G, BH05G	October 2018	*Report No. 498383* *(VOCs, TPH in Gas, Odourant Gas, Bulk Gas, hydrogen sulphide)* *Report No. 778109* *(Dioxins and Furans, Butane, Propane, Ethane and Ethene, arsenic, mercury, acetaldehyde, formaldehyde, VOC suite A)*
	7:BH05G, BH06, BH07, BH06A, BH12A, BH03G, BH08G	4-6th December 2018	*Report Nos. 498380 & 488438* *(VOCs, TPH in Gas, Odourant Gas, Bulk Gas, TICs, hydrogen sulphide)* *Report No. 788572-1* *(Dioxins and Furans, Butane, Propane, Ethane and Ethene, arsenic, mercury, acetaldehyde, formaldehyde, VOC suite A)*

Phase of Investigation	No. Samples/ Exploratory Hole I.D.s	Sampling Dates	Report No./Analysis Suites
	7: BH05G, BH06, BH07, BH06A, BH12A, BH03G, BH08G	22 Feb 2019	Report No. 804733 *(Dioxins and Furans, Butane, Propane, Ethane and Ethene, arsenic, mercury, acetaldehyde, formaldehyde, VOC suite A)*
WVP 2018	12: BH201, BH203, BH204, BH207, BH213, BH219, BH220, BH226, BWS203, BWS213, BWS216, WS206	August 2018 Sept 2018 Oct 2018	Round 1: *Report No. 472329* (*Bulk Gas + ethane,*) Round 2: *Report Nos. 475457 & 475468 (VOCs, Bulk Gas, C1- C7Hydrocarbons, Odourant Gas, TICs, hydrogen sulphide)* Round 3: *Report No. 478040* (*Bulk Gas, VOC Total, C1-C7 Hydrocarbons & odourant gases, hydrogen sulphide*)
LTCP 2019	6: BH216, BH222, BH223, BH232, BWS217, WS224	February 2019 March 2019	Round 1: *Report No. 495512* *(VOCs, Bulk Gas, TICs)* Round 2: *Report No. 499439* *(VOCs, Bulk Gas, C1C7 Hydrocarbons, Odourant Gas, TICs)*

F1.2 Summary of Analysis Results

Volatile Organic Compounds

F1.2.1 A summary of the range of contaminant vapour concentrations detected above the laboratory limit of detection (LOD) in all boreholes in 2018-2019 is provided in Table 2.

F1.2.2 The limit of detection noted on the analysis certificates for the 2018/2019 monitoring results varies for each determinand and between borehole samples due to dilutions needed to be conducted on the samples.

Table 2 Summary of Vapour Analysis Results above LOD July 2018 to March 2019 (μg/m^3)

Contaminant	CAS No.	Min.	Max.	Median	Average	No. above LOD/ (sample No.)
VOC						
1,1,1-Trichloroethane	71-55-6	52.3	490	271.15	271.15	2
1,1,2,2-Tetrachloroethane	79-34-5	15.7	1300	197.10	359.80	6
1,1,2-Trichloroethane	79-00-5	46.5	1220	320.00	416.79	7
1,1-Dichloroethane	75-34-3	53	300	56.70	136.57	3
1,1-Dichloroethene+ (1,1dichloroethylene)	75-35-4	27	68.8	46.70	47.50	3 (83)
1,2,3-Trimethylbenzene+	526-73-8	10.2	1020	103.25	317.53	10 (83)
1,2,4-Trichlorobenzene	120-82-1	10.5	5920	391.00	1379.80	16
1,2,4-Trimethylbenzene+	95-63-6	6.91	48.7	26.80	24.09	5 (83)
1,2-Dibromoethane	106-93-4	44.8	44.8	44.80	44.80	1
1,2-Dichlorobenzene	95-50-1	9.94	45	27.47	27.47	2
1,2-Dichloroethane	107-06-2	42.7	42.7	42.70	42.70	1
1,2-Dichloropropane	78-87-5	44.6	44.6	44.60	44.60	1
1,2-Dichlorotetrafluoroethane	76-14-2	16	10200	612.00	1129.99	19
1,3,5-Trimethylbenzene+	108-67-8	9.7	2200	165.00	578.86	14 (83)
1,3-Butadiene	106-99-0	100	100	100.00	100.00	1
1,4-Dichlorobenzene	106-46-7	26.5	588	50.80	154.84	5
1-Propanol	71-23-8	3.52	3.52	3.52	3.52	1
2-Butanone (MEK)	78-93-3	4.26	171	6.16	46.08	6
2-Pentanone	107-87-9	1010	1010	1010.00	1010.00	1
3-Pentanone	96-22-0	811	811	811.00	811.00	1
4-Methyl-2-pentanone	108-10-1	48.2	434	273.50	257.30	4
Acetone + Propanal	67-64-1 & 123-38-6	15.4	4000	70.25	319.96	16
Acetonitrile	75-05-8	5.5	4840	55.35	856.88	12
Acrolein	107-02-8	9.96	371	190.48	190.48	2
Benzene*	71-43-2	5.69	1040	182.00	253.51	32 (78)
Bromomethane	74-83-9	17.6	17.6	17.60	17.60	1
Carbon Disulfide	75-15-0	6.43	783	76.15	211.18	18
Carbon Tetrachloride	56-23-5	64.3	64.3	64.30	64.30	1
Chloroethane	108-90-7	31.4	1220	116.0	310.81	11
Chlorobenzene	75-00-3	34.6	34.6	34.61	34.60	1
Chloroform (trichloromethane)	67-66-3	23	55.4	39.20	39.20	2
Chloromethane	74-87-3	121	121	121.00	121.00	1
cis-1,2-Dichloroethene	156-59-2	17	571	72.10	158.31	7
cis-1,3-Dichloropropene	10061-01-5	30.4	30.4	30.40	30.40	1
Cyclohexane	110-82-7	8.2	2810	409.00	786.51	32

Contaminant	CAS No.	Min.	Max.	Median	Average	No. above LOD/ (sample No.)
Dichlorodifluoromethane	75-71-8	11.5	2580	531.00	778.66	19
Difluorochloromethane	75-45-6	5.11	20100	2020.00	4214.75	32
Ethylbenzene*	100-41-4	5.84	5330	318.5	755.41	25 (80)
Hexachlorobutadiene+	87-68-3	15.5	107	50.30	54.10	5 (83)
Hexanal	66-25-1	5.65	116	13.40	31.94	5
Hexane	110-54-3	9.9	6320	482.00	1165.29	35
Hydrogen Sulphide	7783-06-4	0	13500	0	551.6	79 (590)^
Isobutene	115-11-7	3.65	44600	1041.50	2532.87	44
m/p-Xylene*	108-38-3 & 106-42-3	8.51	101000	251.0	3345.48	47 (80)
Methylacrolein	78-85-3	10.9	55	25.00	30.30	3
Methylene Chloride	75-09-2	7.11	703	41.50	129.03	7
Naphthalene		9.54	15	12.60	12.38	3 (80)
o-Xylene*	95-47-6	6.02	2070	205.5	367.9	19 (80)
Pentanal	110-62-3	8.24	290	149.12	149.12	2
Pentane	109-66-0	5.67	13600	1425	2366.17	36
Styrene	100-42-5	28.4	28.4	28.40	28.40	1
Tetrachloroethene + (Tetrachloroethylene)	127-18-4	8.9	273	55.8	71.69	15 (80)
Toluene*	108-88-3	6.47	2060	130.00	343.15	26 (83)
trans-1,3-Dichloropropene	1006-02-6	26.8	26.8	26.80	26.80	1
Trichloroethene	79-01-6	47.8	1080	563.90	563.90	2
Trichlorofluoromethane	75-69-4	11.8	1420	101.00	331.23	13 (83)
Trichlorotrifluoroethane	26523-64-8	90.2	90.2	90.20	90.20	1
Vinyl Acetate	108-05-4	11.5	1180	26.30	298.40	5
Vinyl Chloride	75-01-4	38.7	1730	223.00	525.59	9
p-Isopropyltoluene+	99-87-6	28	73	50.5	50.5	2 (31)
Dimethyl sulphide+	75-18-3	140	140	140	140	1 (31)
Ethyl Mercaptan+ (Ethanethiol)	75-08-1	91	91	91	91	1 (31)
Isopropyl benzene+	98-82-8	33	33	33	33	1 (31)
Sec-Butylbenzene+	135-98-8	18	18	18	18	1 (31)
Acetaldeyhyde (Ethanal)+	75-07-0	20	50	30	31.7	6 (35)
Formaldehyde (Methanal)+	50-00-0	30	50	30	36.7	3 (35)
Arsenic+	7440-38-2	200	200	200	200	1 (35)
Mercury+	7439-97-6	1.3	1.3	1.3	1.3	1 (35)

* Dataset includes additional results from TPH in Gas Suite

+ alternative suite A, 4 sets of results for long-term monitoring wells only, concentration calculated by laboratory from ng

TPH in Gas Suite

F1.2.3 TPH in gas suite was analysed on 4No. monitoring visits (July to December 2018) in gas samples obtained from the long-term monitoring wells installed in the WVP in 2016. A summary of the results is provided in Table 3, below.

Table 3 Summary of TPH in Gas Suite above LOD (ug/m³)

Compound	Max.	Min.	Average	Median	No.>LOD (28)
TPH (C4-C6)	62200	57.2	7736.52	2424.50	28
TPH (C6-C8)	50200	42.2	11613.78	4003.50	28
TPH (C8-C10)	74400	117	14544.04	10400	25
TPH (C10-C12)	22100	158	4273.16	3070	19
TPH (C4-C12)	206000	219	39431.68	24500	25
Aliphatic (C4-C6)	62200	57.2	7736.52	2424.50	28
Aliphatic (C6-C8)	50200	32.2	11988.77	7300	27
Aliphatic (C8-C10)	71600	103	14102.08	9460	25
Aliphatic (C10-C12)	22100	158	4273.16	3070	19
Aromatic (EC5-EC7)	294	5.69	88.02	47.20	8
Aromatic (EC7-EC8)	322	6.46	85.12	25.10	10
Aromatic (EC8-EC10)	2980	56.1	933.35	237.50	12

Aromatic EC10-EC12, MTBE, and naphthalene were not detected above the limit of detection, although the LODs were highly variable and at high concentrations in some instances.

Odourant and C-C7 Hydrocarbons

F1.2.4 Odourant C1-C7 Hydrocarbons, all alkanes with the exception of ethene, were analysed in gas samples from long-term monitoring wells between July 2018 to February 2019 and in monitoring wells installed in WVP in 2018 on 2No. occasions (September & October 2018) with 1No. round of sampling from the LTCP in March 2019, results above limits of detection are summarised in Table 4 below:

Table 4 Summary of C1-C7 Hydrocarbons Analysis (ppm)

Compound	CAS No.	LOD	Min.	Max.	Median	Average	No. >LOD (sample No.)
Hydrogen Sulphide	7783-06-4	<1ppm	0	9	0	0.367	79(590)^
Propane	74-98-6	<1ppm	1.07	27.5	7.03	9.77	16 (65)

Compound	CAS No.	LOD	Min.	Max.	Median	Average	No. >LOD (sample No.)
iso-Butane	75-28-5	<1ppm	1.13	2.35	1.36	1.55	4 (11)
Butane	106-97-8	<1ppm	1.21	31	2.61	4.77	14 (65)
Pentane	109-66-0	<1ppm	1.17	2.08	1.625	1.625	2 (30)
Heptane	142-82-5	<1ppm	1.0	1.03	1.015	1.015	2 (30)

^H_2S dataset includes spot monitoring and laboratory analysis – odourant gas

Ethane, ethene, iso-pentane and hexane were not recorded above the limit of detection throughout the monitoring period. Although hexane was recorded above the LOD in the VOC suite, see **Error! Reference source not found.** above.

Bulk Gas Analysis

F1.2.5 Bulk Gas analysis was also completed on gas samples during the 2018/2019 monitoring period from all monitoring wells, a summary of the results is provided in Table 5.

Table 5 Summary of Bulk Gas Analysis

Bulk gases	Units	LOD	Min.	Max.	Median	Average
Hydrogen	%	<0.5	<0.5	<0.5	<0.5	<0.5
Oxygen	%	<0.5	0.547	21.7	13.9	11.47
Nitrogen	%	<1	9.24	84.6	78.2	63.7
Carbon monoxide	%	<0.05	<0.05	<0.05	<0.05	<0.05
Methane	%	<0.05	0.0581	62.9	25.6	28
Carbon Dioxide	%	<0.05	0.06	27.2	6.84	8.78

Dioxins and Furans

F1.2.6 Gas samples taken from the long-term monitoring wells were analysed for PCDD and PCDFs on 5No. occasions between July 2018 and February 2019. PCDD and PCDFs were recorded above the limit of detection in several boreholes on the first two monitoring rounds (see Table 6), subsequently all readings were below their respective LODs.

Table 6 Dioxins and Furans >LOD (ng)

Compound	Min.	Max.	No. >LOD /35	Borehole No.
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.029	0.029	1	10GA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.0087	0.026	2	06,10GA
1,2,3,6,7,8-	0.013	0.041	2	06,10GA

Compound	Min.	Max.	No. >LOD /35	Borehole No.
Hexachlorodibenzo-p-dioxin				
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.008	0.013	2	06,10GA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.042	0.094	2	06,10GA
2,3,7,8-Tetrachlorodibenzofuran	0.014	0.033	4	05,06,08, 10GA
1,2,3,7,8-Pentachlorodibenzofuran	0.011	0.038	4	05,06,08, 10GA
2,3,4,7,8-Pentachlorodibenzofuran	0.011	0.094	5	05,06,07,08, 10GA
1,2,3,4,7,8-Hexachlorodibenzofuran	0.008	0.062	4	06,08, 10GA
1,2,3,6,7,8-Hexachlorodibenzofuran	0.0063	0.048	4	03,06,08, 10GA
2,3,4,6,7,8-Hexachlorodibenzofuran	0.0048	0.075	4	03,06,08, 10GA
1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.0098	0.099	5	06,07,08, 10GA

F1.2.7 The risk from Dioxins has been assessed using the Environment Agency (EA) 'PCDD, PCDFs and dioxin-like compounds worksheet for a commercial land use scenario' Worksheet, see Section 9.3 of Volume 1 of the DCO DQRA. Hazard Indices (HI) less than 1 were calculated indicating these compounds are not considered a risk to human health.

F1.3 Identification of Priority Compounds

F1.3.1 Due to the significant number of VOCs and trace gas components detected above the LOD it was necessary to prioritise the compounds of greater potential risk for further assessment

F1.3.2 The EA have developed a method of ranking the significance of trace components in landfill gas according to their potential toxicity and odour. Two scoring systems have been devised based on either the toxicological or odour importance combined with typical average or median concentrations in landfill gas to produce a toxicity significance score and odour significance score. This was completed for 174No. compounds of the over 500 compounds which can potentially be present as trace components of landfill gas. The significance ranking was initially completed in 2002 and reported in R & D Technical Report P1-

438/TR[1] using 2No. monitoring events for 1 landfill and from 2 different aged waste (3years and 17 years since emplacement). The rankings were further refined in 2004 (P1-491-TR)[2] with trace gas concentrations taken from a wider study of UK landfills of different waste types and maturity to increase representativeness.

F1.3.3 P1-438 notes the ranking was completed using a logarithmic scale, and therefore the substances would have to be detected at concentrations an order of magnitude above that recorded in the database before it would alter the score used in the ranking. The results of the Eaton Green Landfill monitoring have generally not identified any compounds at average concentrations exceeding the average concentrations in the P-149 database. Non-detects were inputted at the highest stated limit of detection, due to the variable LOD as a precautionary approach, in accordance with P1-438-TR to identify maximum concentrations.

F1.3.4 To identify priority compounds requiring further assessment the toxicity significance ranking presented in Table 9 of P1-149-TR was applied. This identifies the 37 substances with the highest score for potential toxic impact. The substances ranked in priority of odour importance was also referenced (P1-149-TR, Table 10), in combination, this identified 25No. compounds for further assessment.

F1.3.5 The trace compounds identified as described above were subject to detailed quantitative risk assessment using the CLEA model v1.071[3]. In addition to these compounds the TPH in gas compounds including toluene, ethylbenzene and xylenes (TEX) were also assessed using the CLEA model as these determinands were consistently above the LOD throughout the monitoring period.

F1.3.6 Although several of the alkane gases were noted to be elevated, only propane and butane were noted as consistently elevated. Neither compound are identified within the priority toxic or odour tables produced by the EA. No further assessment has been completed on these compounds, as they are not considered to be of significant risk to the occupants of the proposed development.

F1.3.7 The CLEA assessment was based on chorionic exposure for an average adult female worker in a commercial setting, which

[1] Environment Agency (2002) Investigation of the composition, emissions and effects of trace components in landfill gas. R&D Technical Report P1-438/TR, Environment Agency, Bristol
[2] EA Environment Agency (2004) Quantification of trace components in landfill gas. R&D Technical Report P1-491/TR
[3] EA CLEA Software version 1.071

was considered the most sensitive receptor given the proposed end use of buildings to be located over the former landfill.

Table 7 Priority Trace Compounds assessed using CLEA v.1.071

Compound	Max. µg/m³	No. > LOD	Toxicity Score (P1-149)	Odour Score (P1-149)
Vinyl Chloride (chloroethene)	1730	9	550	-
Benzene	1040	32	500	-
Chloroethane	1220	11	400	-
Arsenic	200	1	175	-
Trichloroethene (TCE)	1080	2	90	-
1,1-Dichloroethene (1,1-Dichloroethylene)	267*	3	90	-
Hydrogen sulphide	13500	79	88	110
Carbon Disulfide	783	18	80	60
1,1-Dichloroethane	300	3	80	-
Carbon Tetrachloride (tetrachloromethane)	423*	1	70	-
1,3-Butadiene	148*	1	70	-
Formaldehyde (Methanal)	50	3	70	-
Mercury	1.3	1	50	-
Chloromethane	137*	1	48	-
Dichloromethane (Methylene Chloride)	703	7	45	-
Tetrachloroethene (PCE)	456*	15	45	-
Dichlorodifluoromethane (F-12)	2580	19	40	-
Styrene	286*	1	40	-
1,2-Dichloroethane (1,2-DCA)	272*	5	40	-
n-Hexane	6320	35	36	-
Trichlorofluoromethane (F-11)	1420	13	36	-
1,1,2,2-Tetrachloroethane	1300	6	35	-
1,4-Dichlorobenzene	588	5	35	-
Chloroform (trichloromethane)	327*	2	35	-
trans-1,2-Dichloroethene	267*	0	32	-
Toluene	2060	26	-	-
Ethylbenzene	5330	25	-	-
Xylene, m/p-	10100	47	-	-
Xylene, o-	2070	19	-	-
TPH-aliphatic EC5-EC6	62200	28	-	-

Compound	Max. µg/m^3	No. > LOD	Toxicity Score (P1-149)	Odour Score (P1-149)
TPH-aliphatic EC6-EC8	50200	27	-	-
TPH-aliphatic EC8-EC10	71600	25	-	-
TPH-aliphatic EC10-EC12	22100	19	-	-
TPH-aromatic EC5-EC7	472*	8	-	-
TPH-aromatic EC7-EC8	642*	10	-	-
TPH -aromatic EC8-EC10	5220*	12	-	-
TPH-aromatic EC10-EC12	8910*	0	-	-

- No toxicity/odour score
- * highest LOD used

Appendix F

F2 Gas Monitoring Data - Wigmore Valley Park

Well ID	Location	Strata	Response Zone	Date	Peak CH4 (%v/v)	Peak CO2 (%v/v)	Min O2 (%v/v)	Peak H2S (ppm)	Peak CO (ppm)	Peak PID (ppm)	Peak Flow (l/hr)	Water Level (mbgl)	Atmos Pressure (mBar)	Gas Screening Value - GSV (l/hr)		Characteristic Situation		Maximum (Worst Case)			Worst Case GSV		Worst Case CS	
														CH4	CO2	CH4	CO2	CH4 (%)	CO2 (%)	Flow (l/hr)	CH4	CO2	CH4	CO2
PFWS58A	Area A - Landfill	Landfill	0.8-2.3	13/08/2018	0.3	4.1	16.6	0	1	0.4	<0.1	DRY	993	0.0003	0.0041	CS1	CS1	2	4.9	0.1	0.002	0.0049	CS2	CS1
PFWS58A				22/08/2018	1.7	4.9	15.6	0	1	2.3	0.1	DRY	1002	0.0017	0.0049	CS2	CS1							
PFWS58A				04/09/2018	2	4.7	13.8	0	0	3.9	<0.1	DRY	1006	0.002	0.0047	CS2	CS1							
PFWS58A				18/09/2018	0.6	4.2	17.4	0	0	0.7	-0.1	DRY	992	-0.0006	-0.0042	CS1	CS1							
PFWS58A				01/10/2018	0.6	4.6	17.8	0	0	0	<0.1	DRY	1011	0.0006	0.0046	CS1	CS1							
PFWS58A				16/10/2018	0.1	3.1	18.2	0	0	0	<0.1	2.25	1000	0.0001	0.0031	CS1	CS1							
BWS212	Area A - Landfill	Waste	0.5-4.5	13/08/2018	14.8	7.4	0.2	2	3	2.7	<0.1	DRY	993	0.0148	0.0074	CS2	CS2	48.1	16	0.3	0.1443	0.048	CS2	CS2
BWS212				22/08/2018	13.4	8.7	0.1	2	2	0	<0.1	3.57	1002	0.0134	0.0087	CS2	CS2							
BWS212				04/09/2018	48.1	16	1.1	0	1	3.2	<0.1	3.6	1006	0.0481	0.016	CS2	CS2							
BWS212				18/09/2018	16.9	10.2	0.2	0	1	1.3	<0.1	3.59	991	0.0169	0.0102	CS2	CS2							
BWS212				03/10/2018	9	14.1	0.2	0	1	1.7	<0.1	3.64	1012	0.009	0.0141	CS2	CS2							
BWS212				16/10/2018	13.8	9.2	0.1	0	2	0	0.3	3.595	999	0.0414	0.0276	CS2	CS2							
BWS215	Area A - Landfill	Waste	0.5-4.1	14/08/2018	0.1	3.9	18.2	0	1	80.1	-0.1	DRY	1002	-0.0001	-0.0039	CS1	CS1	5	5.2	0.1	0.005	0.0052	CS2	CS2
BWS215				24/08/2018	0.6	5.2	16.3	0	1	13.4	<0.1	DRY	1000	0.0006	0.0052	CS1	CS2							
BWS215				03/09/2018	0.5	4	17	0	1	29.5	0.1	DRY	1005	0.0005	0.004	CS1	CS1							
BWS215				18/09/2018	5	5	14	0	1	31.6	<0.1	DRY	993	0.005	0.005	CS2	CS2							
BWS215				02/10/2018	0.4	2.3	20.1	0	0	7.5	<0.1	DRY	1012	0.0004	0.0023	CS1	CS1							
BWS215				16/10/2018	0.1	3	19	0	1	6.9	<0.1	4.005	1001	0.0001	0.003	CS1	CS1							
BWS216	Area A - Landfill	Landfill	0.5-5.0	14/08/2018	0.1	8	13.7	0	1	95.6	<0.1	DRY	1001	0.0001	0.008	CS1	CS2	0.8	11.9	0.1	0.0008	0.0119	CS1	CS2
BWS216				24/08/2018	0.5	8.5	13.7	0	1	97.2	<0.1	DRY	1000	0.0005	0.0085	CS1	CS2							
BWS216				04/09/2018	0.6	4.8	17.4	0	1	48.8	<0.1	DRY	1006	0.0006	0.0048	CS1	CS1							
BWS216				18/09/2018	0.8	11.9	8.2	0	1	84	<0.1	DRY	993	0.0008	0.0119	CS1	CS2							
BWS216				03/10/2018	0.4	4.7	17.6	0	0	25	0.1	DRY	1012	0.0004	0.0047	CS1	CS1							
BWS216				18/10/2018	0.5	5.1	16.4	0	0	14.7	<0.1	DRY	1012	0.0005	0.0051	CS1	CS2							
WS201	Area A - Landfill	Waste	0.5-3.5	13/08/2018	0.2	9.4	7	0	2	10.1	<0.1	DRY	992	0.0002	0.0094	CS1	CS2	0.8	9.4	0.2	0.0016	0.0188	CS1	CS2
WS201				22/08/2018	0.8	8	10	0	3	4.9	0.2	DRY	1001	0.0016	0.016	CS1	CS2							
WS201				03/09/2018	0.4	9	11.4	0	0	0	<0.1	DRY	1006	0.0004	0.009	CS1	CS2							
WS201				17/09/2018	0.4	6.3	12.4	0	1	5.5	<0.1	DRY	1001	0.0004	0.0063	CS1	CS2							
WS201				01/10/2018	0.5	0.9	19.2	0	0	0	-0.1	DRY	1012	-0.0005	-0.0009	CS1	CS1							
WS201				15/10/2018	0.4	8.3	10.9	0	0	7	0.1	DRY	995	0.0004	0.0083	CS1	CS2							
WS203	Area A - Landfill	Waste	0.5-5.0	14/08/2018	45.7	24.6	1.7	1	9	5.4	-0.1	DRY	1001	-0.0457	-0.0246	CS2	CS2	54.9	30.3	0.1	0.0549	0.0303	CS2	CS2
WS203				23/08/2018	51.9	27.8	1.7	0	3	0.1	<0.1	DRY	997	0.0519	0.0278	CS2	CS2							
WS203				04/09/2018	54.9	29.1	0.2	1	3	4.4	<0.1	4.99	1006	0.0549	0.0291	CS2	CS2							
WS203				17/09/2018	53.7	28.5	0.3	2	5	1.5	<0.1	4.99	1000	0.0537	0.0285	CS2	CS2							
WS203				01/10/2018	47.7	30.3	0.2	0	3	2.7	<0.1	4.98	1010	0.0477	0.0303	CS2	CS2							
WS203				15/10/2018	44.5	28	8	0	1	0	<0.1	4.95	996	0.0445	0.028	CS2	CS2							
WS204	Area A - Landfill	Waste	0.5-4.8	13/08/2018	40	13.7	0	0	3	6.9	-0.1	DRY	992	-0.04	-0.0137	CS2	CS2	48.3	15.7	0.1	0.0483	0.0157	CS2	CS2
WS204				22/08/2018	48.3	15.1	0.1	0	2	0	0.1	DRY	1001	0.0483	0.0151	CS2	CS2							
WS204				04/09/2018	47.4	15.3	0.2	0	1	5.2	<0.1	4.68	1006	0.0474	0.0153	CS2	CS2							
WS204				17/09/2018	47.7	15.7	0.2	0	1	0	<0.1	4.605	1000	0.0477	0.0157	CS2	CS2							
WS204				02/10/2018	4.4	5.6	16	0	1	3.9	<0.1	DRY	1004	0.0044	0.0056	CS2	CS2							
WS204				15/10/2018	23.2	15.6	3.6	0	0	0	<0.1	4.61	997	0.0232	0.0156	CS2	CS2							
WS205A	Area A - Landfill	Waste	1.0-5.0	14/08/2018	17.6	8.6	16.3	0	6	17.6	<0.1	DRY	1001	0.0176	0.0086	CS2	CS2	64.5	48.3	0.1	0.0645	0.0483	CS2	CS2
WS205A				23/08/2018	56.8	24.3	0.6	0	6	0	<0.1	4.95	998	0.0568	0.0243	CS2	CS2							
WS205A				04/09/2018	48	27	4.5	0	7	4.7	<0.1	4.98	1005	0.048	0.027	CS2	CS2							
WS205A				17/09/2018	56.9	27.2	0.2	0	16	5.2	<0.1	4.955	997	0.0569	0.0272	CS2	CS2							
WS205A				02/10/2018	64.5	48.3	0.1	3	0	5.3	<0.1	4.98	1003	0.0645	0.0483	CS2	CS2							
WS205A				15/10/2018	38.6	24	4.7	0	1	0	<0.1	4.95	996	0.0386	0.024	CS2	CS2							
WS206A	Area A - Landfill	Waste	1.0-5.0	14/08/2018	59.7	26.6	0.4	0	6	-	<0.1	DRY	1001	0.0597	0.0266	CS2	CS2	69.6	29.6	0.1	0.0696	0.0296	CS2	CS2
WS206A				24/08/2018	69.6	29.4	0	0	3	1.8	<0.1	4.85	999	0.0696	0.0294	CS2	CS2							
WS206A				04/09/2018	68.7	29.5	0.2	0	3	5.7	0.1	4.99	1006	0.0687	0.0295	CS2	CS2							
WS206A				17/09/2018	68.8	29.4	0.2	0	3	1.9	<0.1	4.87	999	0.0688	0.0294	CS2	CS2							
WS206A				03/10/2018	62.5	29.6	0.3	0	1	0	<0.1	4.88	1011	0.0625	0.0296	CS2	CS2							
WS206A				15/10/2018	61.2	29.1	1	0	2	0	<0.1	4.98	996	0.0612	0.0291	CS2	CS2							
WS207	Area A - Landfill	Waste	1.0-5.0	15/08/2018	14.7	10.2	0.1	0	6	10.7	<0.1	DRY	1001	0.0147	0.0102	CS2	CS2	40.6	19	0.1	0.0406	0.019	CS2	CS2
WS207				22/08/2018	28.5	17.2	0.3	0	6	0.5	<0.1	DRY	1001	0.0285	0.0172	CS2	CS2							
WS207				04/09/2018	29.3	11.5	15.2	0	1	0.9	-0.1	DRY	1006	-0.0293	-0.0115	CS2	CS2							
WS207				17/09/2018	40.6	19	0.3	0	2	0	<0.1	DRY	1000	0.0406	0.019	CS2	CS2							
WS207				02/10/2018	8.3	8.1	12.7	0	1	2.2	0.1	5.1	1004	0.0083	0.0081	CS2	CS2							
WS207				15/10/2018	2.7	2.2	16.3	0	0	0	<0.1	DRY	996	0.0027	0.0022	CS2	CS1							
WS208	Area A - Landfill	Waste	1.0-3.9	14/08/2018	58.6	17.8	9.3	0	16	0.1	<0.1	DRY	1001	0.0586	0.0178	CS2	CS2	65.2	30	0.1	0.0652	0.03	CS2	CS2
WS208				23/08/2018	45.5	24.7	4.4	0	6	4.2	<0.1	3.98	998	0.0455	0.0247	CS2	CS2							
WS208				05/09/2018	43.1	24.8	4.1	0	4	2.7	-0.1	4	1007	-0.0431	-0.0248	CS2	CS2							
WS208				17/09/2018	65.2	30	0.2	0	14	7.2	<0.1	DRY	997	0.0652	0.03	CS2	CS2							
WS208				02/10/2018	47.7	27.3	5.7	0	2	0	<0.1	3.99	1004	0.0477	0.0273	CS2	CS2							
WS208				16/10/2018	46	27.2	1	0	2	0	0.1	4	999	0.046	0.0272	CS2	CS2							
WS209	Area A - Landfill	Waste	1.0-5.0	14/08/2018	0.5	1.3	19.8	0	3	23.2	-0.1	DRY	1001	-0.0005	-0.0013	CS1	CS1	59	34.3	0.1	0.059	0.0343	CS2	CS2
WS209				23/08/2018	59	27	0.1	0	3	4	-0.1	DRY	997	-0.059	-0.027	CS2	CS2							
WS209				03/09/2018	56.8	26.4	0.3	0	5	0	<0.1	DRY	1006	0.0568	0.0264	CS2	CS2							
WS209				17/09/2018	55.1	26.2	0.2	1	4	7.7	<0.1	DRY	999	0.0551	0.0262	CS2	CS2							

Appendix F

F2 Gas Monitoring Data - Wigmore Valley Park

Well ID	Location	Strata	Response Zone	Date	Peak CH4 (%v/v)	Peak CO2 (%v/v)	Min O2 (%v/v)	Peak H2S (ppm)	Peak CO (ppm)	Peak PID (ppm)	Peak Flow (l/hr)	Water Level (mbgl)	Atmos Pressure (mBar)	Gas Screening Value - GSV (l/hr)		Characteristic Situation		Maximum (Worst Case)			Worst Case GSV		Worst Case CS	
														CH4	CO2	CH4	CO2	CH4 (%)	CO2 (%)	Flow (l/hr)	CH4	CO2	CH4	CO2
WS209				01/10/2018	41.3	23.7	1.2	0	18	1.5	<0.1	DRY	1011	0.0413	0.0237	CS2	CS2							
WS209				15/10/2018	57.7	34.3	7.8	0	2	0	0.1	4.81	996	0.0577	0.0343	CS2	CS2							
WS210	Area A - Landfill	Waste	2.0-5.0	14/08/2018	64.5	23.9	3.5	0	4	17.2	-0.1	DRY	1001	-0.0645	-0.0239	CS2	CS2	64.5	25	0.1	0.0645	0.025	CS2	CS2
WS210				23/08/2018	51.4	23.9	0.1	0	4	1.4	-0.1	4.73	1011	-0.0514	-0.0239	CS2	CS2							
WS210				03/09/2018	43.5	22.6	0.2	0	7	4.1	<0.1	4.72	1006	0.0435	0.0226	CS2	CS2							
WS210				17/09/2018	56.9	24.4	0.1	2	5	3.7	<0.1	DRY	998	0.0569	0.0244	CS2	CS2							
WS210				01/10/2018	1.8	11.9	9.3	0	1	3.6	<0.1	4.73	1011	0.0018	0.0119	CS2	CS2							
WS210				15/10/2018	30	25	0.1	0	1	0	<0.1	4.745	997	0.03	0.025	CS2	CS2							
WS211	Area A - Landfill	Waste	1.0-5.0	14/08/2018	<0.1	1.9	19.2	0	3	21.1	0.1	DRY	1001	0.0001	0.0019	CS1	CS1	37.4	20.3	0.1	0.0374	0.0203	CS2	CS2
WS211				23/08/2018	37.4	20.3	4.2	0	9	0	-0.1	DRY	997	-0.0374	-0.0203	CS2	CS2							
WS211				05/09/2018	9.8	7.3	13.6	0	3	1.7	<0.1	DRY	1006	0.0098	0.0073	CS2	CS2							
WS211				18/09/2018	18	11.3	13.4	0	3	1.9	<0.1	DRY	994	0.018	0.0113	CS2	CS2							
WS211				01/10/2018	3.5	2.5	14.3	0	4	4.3	<0.1	DRY	1011	0.0035	0.0025	CS2	CS1							
WS211				15/10/2018	15.1	11.1	18.4	0	0	0	<0.1	DRY	997	0.0151	0.0111	CS2	CS2							
WS212	Area A - Landfill	Waste	1.0-5.0	14/08/2018	51.4	25.3	0.6	3	4	2.4	-0.1	DRY	1001	-0.0514	-0.0253	CS2	CS2	73.7	32.2	0.1	0.0737	0.0322	CS2	CS2
WS212				23/08/2018	73.1	28.1	0.3	3	4	0	0.1	DRY	997	0.0731	0.0281	CS2	CS2							
WS212				05/09/2018	73.7	32.2	0.2	5	1	10.7	-0.1	4.945	1006	-0.0737	-0.0322	CS2	CS2							
WS212				18/09/2018	60.6	24.1	0.4	2	3	6.2	<0.1	4.95	994	0.0606	0.0241	CS2	CS2							
WS212				02/10/2018	62.3	24	0.2	1	1	1.6	<0.1	4.96	1004	0.0623	0.024	CS2	CS2							
WS212				16/10/2018	60.2	23.2	0.1	7	2	0	<0.1	4.985	999	0.0602	0.0232	CS2	CS2							
WS213	Area A - Landfill	Waste	0.5-2.75	14/08/2018	51.7	21.5	7.2	0	25	0	<0.1	DRY	1001	0.0517	0.0215	CS2	CS2	56.2	27.3	0.1	0.0562	0.0273	CS2	CS2
WS213				22/08/2018	56.2	27.3	0.5	0	4	0.2	<0.1	DRY	1002	0.0562	0.0273	CS2	CS2							
WS213				04/09/2018	12.8	10.9	14.4	0	0	0	-0.1	DRY	1005	-0.0128	-0.0109	CS2	CS2							
WS213				18/09/2018	3.2	2.2	19.4	0	1	16	-0.1	DRY	994	-0.0032	-0.0022	CS2	CS1							
WS213				01/10/2018	19.7	11.9	2.6	0	2	3.5	-0.1	DRY	1011	-0.0197	-0.0119	CS2	CS2							
WS213				18/10/2018	0.1	0.9	20.8	0	0	0.5	<0.1	DRY	1011	0.0001	0.0009	CS1	CS1							
WS215A	Area A - Landfill	Waste	0.5-5.0	14/08/2018	<0.1	0.8	19.6	0	1	7.8	-0.1	DRY	1001	0.0001	-0.0008	CS1	CS1	37	21.8	0.1	0.037	0.0218	CS2	CS2
WS215A				23/08/2018	37	21.8	0.2	0	6	19.8	<0.1	DRY	997	0.037	0.0218	CS2	CS2							
WS215A				04/09/2018	25.2	13.1	15.3	0	0	3.2	-0.1	DRY	1006	-0.0252	-0.0131	CS2	CS2							
WS215A				18/09/2018	4.2	3.3	16.7	0	1	3.1	<0.1	5.01	994	0.0042	0.0033	CS2	CS1							
WS215A				03/10/2018	0.8	1.9	19.3	0	0	1.2	-0.1	5.02	1011	-0.0008	-0.0019	CS1	CS1							
WS215A				18/10/2018	2.3	2.7	19.7	0	0	0	<0.1	5.02	1011	0.0023	0.0027	CS2	CS1							
WS216	Area A - Landfill	Waste	1.0-5.0	14/08/2018	23.1	16.9	5.8	0	3	0	<0.1	DRY	1000	0.0231	0.0169	CS2	CS2	37.3	22.7	0.1	0.0373	0.0227	CS2	CS2
WS216				23/08/2018	37.3	22.2	0	0	3	31.2	-0.1	DRY	997	-0.0373	-0.0222	CS2	CS2							
WS216				03/09/2018	37.1	22.4	0.2	0	2	6.4	0.1	DRY	1005	0.0371	0.0224	CS2	CS2							
WS216				18/09/2018	34.7	22.5	1.4	0	2	3.8	-0.1	DRY	992	-0.0347	-0.0225	CS2	CS2							
WS216				02/10/2018	35.6	22.7	0.1	0	1	1.8	0.1	DRY	1004	0.0356	0.0227	CS2	CS2							
WS216				16/10/2018	33.7	22.6	0.1	1	4	0	<0.1	4.975	1000	0.0337	0.0226	CS2	CS2							
WS217B	Area A - Landfill	Waste	1.0-4.5	14/08/2018	0.2	5.6	16.9	0	0	62.4	-0.1	DRY	1001	-0.0002	-0.0056	CS1	CS2	0.9	6.6	0.1	0.0009	0.0066	CS1	CS2
WS217B				24/08/2018	0.4	5.3	15.7	0	1	0	<0.1	DRY	999	0.0004	0.0053	CS1	CS2							
WS217B				03/09/2018	0.6	3.9	16.9	0	1	68.8	<0.1	DRY	1005	0.0006	0.0039	CS1	CS1							
WS217B				18/09/2018	0.8	6.6	12.5	0	1	33.6	-0.1	DRY	994	-0.0008	-0.0066	CS1	CS2							
WS217B				02/10/2018	0.9	2.6	19.1	0	0	22.7	<0.1	DRY	1005	0.0009	0.0026	CS1	CS1							
WS217B				16/10/2018	0.2	3.7	17.8	0	1	9	<0.1	DRY	1000	0.0002	0.0037	CS1	CS1							
WS218	Area A - Landfill	Waste	0.5-4.8	14/08/2018	52.3	23.6	4	0	2	31.5	<0.1	DRY	1001	0.0523	0.0236	CS2	CS2	52.3	23.6	0.1	0.0523	0.0236	CS2	CS2
WS218				23/08/2018	0.6	2.9	17.1	0	2	78	<0.1	DRY	997	0.0006	0.0029	CS1	CS1							
WS218				04/09/2018	8.4	9.5	19	0	0	3	<0.1	4.795	1006	0.0084	0.0095	CS2	CS2							
WS218				18/09/2018	0.6	2.2	20.2	0	2	19.4	<0.1	4.79	994	0.0006	0.0022	CS1	CS1							
WS218				01/10/2018	0.3	11.6	3.7	0	1	5.2	<0.1	4.79	1011	0.0003	0.0116	CS1	CS2							
WS218				16/10/2018	28.2	14.1	15.2	0	0	0	<0.1	4.79	999	0.0282	0.0141	CS2	CS2							
WS219	Area A - Landfill	Waste	0.5-2.4	14/08/2018	14.2	4.6	16.1	0	2	1.7	-0.1	DRY	1001	-0.0142	-0.0046	CS2	CS1	53.6	25.9	0.1	0.0536	0.0259	CS2	CS2
WS219				22/08/2018	53.6	25.9	0.3	0	6	0.4	-0.1	DRY	1001	-0.0536	-0.0259	CS2	CS2							
WS219				04/09/2018	25.3	13	10.4	0	1	0	-0.1	DRY	1005	-0.0253	-0.013	CS2	CS2							
WS219				18/09/2018	0.5	0.6	20	0	1	3.2	<0.1	DRY	993	0.0005	0.0006	CS1	CS1							
WS219				03/10/2018	40.5	22	1.1	0	4	0	-0.1	2.25	1011	-0.0405	-0.022	CS2	CS2							
WS219				18/10/2018	3.9	3.6	17.3	0	0	0	<0.1	DRY	1011	0.0039	0.0036	CS2	CS1							
WS221	Area A - Landfill	Waste	0.5-5.0	14/08/2018	20.9	7.4	7.8	0	13	12.9	0.1	DRY	1001	0.0209	0.0074	CS2	CS2	38.6	13	0.1	0.0386	0.013	CS2	CS2
WS221				23/08/2018	38.6	12.6	0	0	3	3.8	<0.1	DRY	997	0.0386	0.0126	CS2	CS2							
WS221				03/09/2018	35.9	13	0.2	0	3	20.3	0.1	DRY	1004	0.0359	0.013	CS2	CS2							
WS221				18/09/2018	0.5	10.4	16.3	0	1	7.9	-0.1	DRY	994	-0.0005	-0.0104	CS1	CS2							
WS221				03/10/2018	19.1	8.5	3.5	0	4	0	-0.1	DRY	1013	-0.0191	-0.0085	CS2	CS2							
WS221				18/10/2018	1.3	1.5	19.6	0	0	6.6	<0.1	DRY	1011	0.0013	0.0015	CS2	CS1							
BH233	Area A - Landfill	Waste	1.0-13.0	13/08/2018	11.3	13.8	3.2	0	4	21.1	<0.1	DRY	992	0.0113	0.0138	CS2	CS2	16.6	18.6	0.1	0.0166	0.0186	CS2	CS2
BH233				22/08/2018	15.5	18.6	1.1	0	5	2	0.1	13.005	1002	0.0155	0.0186	CS2	CS2							
BH233				04/09/2018	5.3	6.8	12.9	0	2	5.5	-0.1	13.03	1005	-0.0053	-0.0068	CS2	CS2							
BH233				17/09/2018	14	7.2	13.9	0	0	24.2	<0.1	13.015	1000	0.014	0.0072	CS2	CS2							
BH233				01/10/2018	0.6	4.8	17.4	0	0	0	<0.1	13.02	1011	0.0006	0.0048	CS1	CS1							
BH233				15/10/2018	16.6	11.9	4.8	0	0	17.3	<0.1	13.045	994	0.0166	0.0119	CS2	CS2							
BH202	Area A - Landfill	Waste	2.0-9.0	13/08/2018	2.4	7.7	13	0	2	2.5	-0.1	DRY	992	-0.0024	-0.0077	CS2	CS2	2.4	7.7	-0.1	-0.0024	-0.0077	CS2	CS2
BH219	Area A -	Waste	1.0-17.0	14/08/2018	2.9	17.1	2.5	0	1	0.1	-0.1	DRY	1000	-0.0029	-0.0171	CS2	CS2	26.6	22.4	0.1	0.0266	0.0224	CS2	CS2

Appendix F

F2 Gas Monitoring Data - Wigmore Valley Park

Well ID	Location	Strata	Response Zone	Date	Peak CH4 (%v/v)	Peak CO2 (%v/v)	Min O2 (%v/v)	Peak H2S (ppm)	Peak CO (ppm)	Peak PID (ppm)	Peak Flow (l/hr)	Water Level (mbgl)	Atmos Pressure (mBar)	Gas Screening Value - GSV (l/hr)		Characteristic Situation		Maximum (Worst Case)			Worst Case GSV		Worst Case CS	
														CH4	CO2	CH4	CO2	CH4 (%)	CO2 (%)	Flow (l/hr)	CH4	CO2	CH4	CO2
BH219	Landfill			24/08/2018	24.4	22.4	0.1	3	1	0	-0.1	17.125	998	-0.0244	-0.0224	CS2	CS2							
BH219				04/09/2018	21.7	21.6	0.2	3	2	2.7	-0.1	17.17	1007	-0.0217	-0.0216	CS2	CS2							
BH219				18/09/2018	26.6	21.6	0.1	0	2	11	-0.1	17.15	993	-0.0266	-0.0216	CS2	CS2							
BH219				03/10/2018	0.9	17.7	5.2	0	0	0	-0.1	17.16	1012	-0.0009	-0.0177	CS1	CS2							
BH219				16/10/2018	13.2	20.2	0.1	6	3	0	<0.1	17.13	1001	0.0132	0.0202	CS2	CS2							
BH221	Area A - Landfill	Waste	0.5-10.0	14/08/2018	21.2	15.7	12.8	0	2	78.3	<0.1	DRY	1001	0.0212	0.0157	CS2	CS2	29.3	18.7	0.1	0.0293	0.0187	CS2	CS2
BH221				24/08/2018	0.4	6	15.3	0	2	2.3	-0.1	9.505	999	-0.0004	-0.006	CS1	CS2							
BH221				03/09/2018	29.3	18.7	12.1	0	2	4.9	0.1	9.52	1004	0.0293	0.0187	CS2	CS2							
BH221				18/09/2018	0.5	6.9	14.3	0	1	119.6	<0.1	9.51	994	0.0005	0.0069	CS1	CS2							
BH221				02/10/2018	0.4	4.2	17.2	0	0	73.6	<0.1	9.49	1005	0.0004	0.0042	CS1	CS1							
BH221				16/10/2018	6	5.8	14.6	0	1	13.3	<0.1	9.515	1000	0.006	0.0058	CS2	CS2							
BH226	Area A - Landfill	Waste	1.0-10.0	14/08/2018	<0.1	3.5	19.2	0	1	17.1	-0.1	DRY	1001	-0.0001	-0.0035	CS1	CS1	14.9	17.1	0.1	0.0149	0.0171	CS2	CS2
BH226				24/08/2018	6	6.8	13.6	0	0	3.2	0.1	10	999	0.006	0.0068	CS2	CS2							
BH226				04/09/2018	14.9	17.1	12.9	0	1	51.9	-0.1	10.03	1006	-0.0149	-0.0171	CS2	CS2							
BH226				18/09/2018	2	7.4	17.2	0	2	39.1	-0.1	10.02	994	-0.002	-0.0074	CS2	CS2							
BH226				03/10/2018	0.5	3.2	16.3	0	0	20.6	<0.1	9.1	1012	0.0005	0.0032	CS1	CS1							
BH226				16/10/2018	1	4.2	15.1	0	2	6.7	<0.1	9.9	1000	0.001	0.0042	CS2	CS1							
BH225	Area A - Landfill	Waste	1.0-11.5	14/08/2018	0.3	4.5	18	0	4	38.7	-0.2	DRY	1000	-0.0006	-0.009	CS1	CS1	26.3	18.9	-0.2	-0.0526	-0.0378	CS2	CS2
BH225				23/08/2018	26.3	18.9	0.2	0	11	0.4	-0.1	DRY	997	-0.0263	-0.0189	CS2	CS2							
BH225				03/09/2018	2.2	8.2	12.6	0	15	53.3	<0.1	DRY	1004	0.0022	0.0082	CS2	CS2							
BH225				18/09/2018	11.6	14	7.8	0	3	51.8	<0.1	11.56	993	0.0116	0.014	CS2	CS2							
BH225				02/10/2018	2.1	6.3	13.6	0	1	21.2	0.1	11.52	1004	0.0021	0.0063	CS2	CS2							
BH225				16/10/2018	1.3	4.5	14.6	0	12	23.7	<0.1	11.47	999	0.0013	0.0045	CS2	CS1							
BH229	Area A - Landfill	Waste	1.0-12.0	14/08/2018	0.2	4.3	19.5	0	1	19.3	0.1	DRY	1000	0.0002	0.0043	CS1	CS1	43.9	27.3	0.1	0.0439	0.0273	CS2	CS2
BH229				23/08/2018	12.4	9.3	8.6	0	4	54.7	<0.1	11.36	997	0.0124	0.0093	CS2	CS2							
BH229				03/09/2018	13.2	16.9	6.1	0	3	13.5	<0.1	11.38	1004	0.0132	0.0169	CS2	CS2							
BH229				18/09/2018	9.6	13.6	17.1	0	1	20	<0.1	11.37	993	0.0096	0.0136	CS2	CS2							
BH229				03/10/2018	43.9	27.3	1.9	0	3	0	<0.1	11.37	1011	0.0439	0.0273	CS2	CS2							
BH229				18/10/2018	0.1	0.5	19.9	0	0	5.3	-0.1	11.365	1011	-0.0001	-0.0005	CS1	CS1							
BH224	Area A - Landfill	Waste	1.0-8.0	14/08/2018	0.2	0.7	20	0	1	5.3	-0.1	DRY	1001	-0.0002	-0.0007	CS1	CS1	0.2	0.7	-0.1	-0.0002	-0.0007	CS1	CS1
BH218	Area A - Landfill	Waste	1.0-12.0	14/08/2018	1.9	15	11	0	1	37.5	<0.1	DRY	1001	0.0019	0.015	CS2	CS2	68	28.6	0.1	0.068	0.0286	CS2	CS2
BH218				23/08/2018	68	28.6	0.4	0	5	0.4	0.1	11.845	997	0.068	0.0286	CS2	CS2							
BH218				05/09/2018	66.3	28.5	1	0	2	2.8	-0.1	11.81	1006	-0.0663	-0.0285	CS2	CS2							
BH218				18/09/2018	37.3	15.7	10.8	0	3	4.4	<0.1	11.87	994	0.0373	0.0157	CS2	CS2							
BH218				02/10/2018	50.5	25.4	3.4	0	2	5.1	<0.1	12.245	1004	0.0505	0.0254	CS2	CS2							
BH218				16/10/2018	61.7	28.4	0.4	0	2	0	0.1	12.155	999	0.0617	0.0284	CS2	CS2							
BH214	Area A - Landfill	Waste	1.5-19.0	14/08/2018	1.4	1.7	19	0	3	2.3	-0.1	18.36	1001	-0.0014	-0.0017	CS2	CS1	41.6	33.4	0.1	0.0416	0.0334	CS2	CS2
BH214				23/08/2018	37.7	33.4	1.3	0	4	3.9	<0.1	18.405	998	0.0377	0.0334	CS2	CS2							
BH214				03/09/2018	41.6	24	0.5	0	9	2.2	0.1	18.37	1005	0.0416	0.024	CS2	CS2							
BH214				17/09/2018	36.1	20.7	0.2	0	8	0.3	<0.1	18.545	998	0.0361	0.0207	CS2	CS2							
BH214				01/10/2018	23	19.4	1.8	0	2	2	<0.1	18.455	1011	0.023	0.0194	CS2	CS2							
BH214				15/10/2018	31.9	22.3	1.3	0	1	0	<0.1	18.5	996	0.0319	0.0223	CS2	CS2							
BH205A	Area A - Landfill	Waste	1.0-5.5	14/08/2018	55.4	29.5	0.2	0	7	3.6	<0.1	DRY	1001	0.0554	0.0295	CS2	CS2	57.7	32.2	0.1	0.0577	0.0322	CS2	CS2
BH205A				23/08/2018	57.7	31.5	0.1	4	2	8.9	<0.1	5.505	997	0.0577	0.0315	CS2	CS2							
BH205A				03/09/2018	54.6	32	0.3	1	4	6	<0.1	cm mud at bas	1005	0.0546	0.032	CS2	CS2							
BH205A				17/09/2018	56.2	32.2	0.1	2	4	2.6	<0.1	5.535	999	0.0562	0.0322	CS2	CS2							
BH205A				01/10/2018	43.1	28.8	1.6	0	6	2.2	<0.1	DRY	1010	0.0431	0.0288	CS2	CS2							
BH205A				15/10/2018	51.1	31.5	0.1	0	2	0	<0.1	5.53	996	0.0511	0.0315	CS2	CS2							
BH203	Area A - Landfill	Waste	1.0-11.5	14/08/2018	0.4	1.2	20.7	0	2	16.2	<0.1	DRY	1001	0.0004	0.0012	CS1	CS1	45.7	21.2	0.1	0.0457	0.0212	CS2	CS2
BH203				24/08/2018	22.1	11.3	13.2	0	2	1.8	<0.1	DRY	999	0.0221	0.0113	CS2	CS2							
BH203				04/09/2018	10.4	6.7	13.1	0	1	23.2	-0.1	11.57	1006	-0.0104	-0.0067	CS2	CS2							
BH203				17/09/2018	45.7	21.2	4	0	12	12.2	<0.1	DRY	996	0.0457	0.0212	CS2	CS2							
BH203				02/10/2018	0.5	0.9	20.4	0	0	0.2	0.1	11.555	1011	0.0005	0.0009	CS1	CS1							
BH203				15/10/2018	17.2	15	17.2	0	0	0	<0.1	11.575	996	0.0172	0.015	CS2	CS2							
BH208	Area A - Landfill	Waste	1.0-11.0	14/08/2018	64.4	24.9	0.4	4	7	-	-0.1	DRY	1001	-0.0644	-0.0249	CS2	CS2	64.4	24.9	-0.1	-0.0644	-0.0249	CS2	CS2
BH213	Area A - Landfill	Waste	1.0-17.5	14/08/2018	9.3	16.1	10.3	0	3	25.7	-0.1	16.56	1001	-0.0093	-0.0161	CS2	CS2	59	24.7	0.1	0.059	0.0247	CS2	CS2
BH213				24/08/2018	33.4	20.2	2.5	0	2	3	-0.1	16.9	999	-0.0334	-0.0202	CS2	CS2							
BH213				05/09/2018	50.5	22.3	1.3	0	2	3.2	<0.1	17.03	1006	0.0505	0.0223	CS2	CS2							
BH213				17/09/2018	48.6	20.8	0.2	0	14	1.7	<0.1	14.045	997	0.0486	0.0208	CS2	CS2							
BH213				03/10/2018	59	19.8	13.9	0	0	0	<0.1	17.24	1011	0.059	0.0198	CS2	CS2							
BH213				15/10/2018	27.1	24.7	12.3	0	0	1.1	-0.1	17.24	997	-0.0271	-0.0247	CS2	CS2							
BH212	Area A - Landfill	Clay	20.5-29.0	14/08/2018	9.8	4.9	18.7	0	3	9.7	<0.1	DRY	1001	0.0098	0.0049	CS2	CS1	27.9	19.5	0.1	0.0279	0.0195	CS2	CS2
BH212				23/08/2018	22.8	15.5	16.5	0	1	5.8	<0.1	28.755	998	0.0228	0.0155	CS2	CS2							
BH212				05/09/2018	27.9	19.5	16.1	0	0	1.2	-0.1	0cm mud at ba	1006	-0.0279	-0.0195	CS2	CS2							
BH212				17/09/2018	0.7	0.7	19.7	0	2	7.2	-0.1	28.85	997	-0.0007	-0.0007	CS1	CS1							
BH212				01/10/2018	9	14.1	0.2	0	1	0	<0.1	29.04	1012	0.009	0.0141	CS2	CS2							
BH212				15/10/2018	1	0.3	20.3	0	0	0	<0.1	29.015	997	0.001	0.0003	CS2	CS1							
BH212A	Area A - Landfill	Waste	0.8-18.0	14/08/2018	<0.1	0.2	21	0	3	24.8	-0.1	DRY	1001	-0.0001	-0.0002	CS1	CS1	37.4	29.6	0.1	0.0374	0.0296	CS2	CS2
BH212A				23/08/2018	24.1	14.5	4.8	0	18	1.6	<0.1	17.785	998	0.0241	0.0145	CS2	CS2							

Appendix F

F2 Gas Monitoring Data - Wigmore Valley Park

Well ID	Location	Strata	Response Zone	Date	Peak CH4 (%v/v)	Peak CO2 (%v/v)	Min O2 (%v/v)	Peak H2S (ppm)	Peak CO (ppm)	Peak PID (ppm)	Peak Flow (l/hr)	Water Level (mbgl)	Atmos Pressure (mBar)	Gas Screening Value - GSV (l/hr)		Characteristic Situation		Maximum (Worst Case)			Worst Case GSV		Worst Case CS	
														CH4	CO2	CH4	CO2	CH4 (%)	CO2 (%)	Flow (l/hr)	CH4	CO2	CH4	CO2
BH212A				05/09/2018	37.4	21.4	2.5	0	3	5	-0.1	cm mud at bas	1006	-0.0374	-0.0214	CS2	CS2							
BH212A				17/09/2018	33.8	16	0.1	0	5	8.4	<0.1	DRY	997	0.0338	0.016	CS2	CS2							
BH212A				01/10/2018	36.4	29.6	5.3	0	2	5.5	<0.1	17.83	1011	0.0364	0.0296	CS2	CS2							
BH212A				15/10/2018	19.3	12.9	11.1	0	1	0	<0.1	17.83	997	0.0193	0.0129	CS2	CS2							
BH207	Area A - Landfill	Waste	3.0-18.0	14/08/2018	54.4	17.6	0.9	0	18	7.2	0.1	DRY	1001	0.0544	0.0176	CS2	CS2	74	25.2	0.1	0.074	0.0252	CS2	CS2
BH207				24/08/2018	68	20.6	0.2	0	2	4	<0.1	DRY	999	0.068	0.0206	CS2	CS2							
BH207				05/09/2018	74	24.7	0.3	0	2	4.2	-0.1	DRY	1007	-0.074	-0.0247	CS2	CS2							
BH207				17/09/2018	67.2	20.1	0.4	0	4	1.8	<0.1	DRY	997	0.0672	0.0201	CS2	CS2							
BH207				03/10/2018	65.4	20.9	0.6	0	1	1	-0.1	DRY	1011	-0.0654	-0.0209	CS2	CS2							
BH207				16/10/2018	61.5	25.2	0.1	0	2	0	<0.1	DRY	999	0.0615	0.0252	CS2	CS2							
BH209	Area A - Landfill	Waste	2.0-13.0	14/08/2018	50.7	22.5	1.4	0	10	6.8	<0.1	DRY	1002	0.0507	0.0225	CS2	CS2	68.9	47.6	0.1	0.0689	0.0476	CS2	CS2
BH209				23/08/2018	54.7	26.4	0.2	0	6	0	<0.1	12.355	997	0.0547	0.0264	CS2	CS2							
BH209				04/09/2018	57.4	28.6	0.7	0	4	3.2	<0.1	12.49	1006	0.0574	0.0286	CS2	CS2							
BH209				17/09/2018	68.9	25	0.2	0	8	2.8	<0.1	12.535	996	0.0689	0.025	CS2	CS2							
BH209				01/10/2018	43.9	27.3	1.9	0	3	0	<0.1	12.74	1011	0.0439	0.0273	CS2	CS2							
BH209				15/10/2018	49.4	47.6	0.9	0	2	0	0.1	12.775	996	0.0494	0.0476	CS2	CS2							
BH220	Area A - Landfill	Waste	0.5-9.0	14/08/2018	47	22.4	0.2	0	7	1	-0.1	DRY	1001	-0.047	-0.0224	CS2	CS2	56.4	27.6	0.1	0.0564	0.0276	CS2	CS2
BH220				24/08/2018	55	26.6	0.7	0	3	20.3	0.1	DRY	999	0.055	0.0266	CS2	CS2							
BH220				04/09/2018	56.4	27.6	0.2	0	4	63.6	<0.1	DRY	1006	0.0564	0.0276	CS2	CS2							
BH220				18/09/2018	21	13.8	10.6	0	3	2.3	-0.1	DRY	994	-0.021	-0.0138	CS2	CS2							
BH220				03/10/2018	42.1	24.5	0.4	0	2	2.4	<0.1	9.315	1012	0.0421	0.0245	CS2	CS2							
BH220				18/10/2018	0.2	0.3	21	0	0	0.7	-0.1	9.31	1011	-0.0002	-0.0003	CS1	CS1							
BH206	Area A - Landfill	Waste	1.0-8.0	14/08/2018	48.3	21.6	8.2	0	24	0	-0.2	7.11	1001	-0.0966	-0.0432	CS2	CS2	48.3	21.6	-0.2	-0.0966	-0.0432	CS2	CS2
BH204	Area A - Landfill	Waste	1.0-14.0	14/08/2018	46.7	17.7	0.3	0	9	-	-0.1	DRY	1001	-0.0467	-0.0177	CS2	CS2	50.7	20.5	-0.3	-0.1521	-0.0615	CS2	CS2
BH204				24/08/2018	46.3	20.5	0.4	0	3	6.6	0.1	13.785	998	0.0463	0.0205	CS2	CS2							
BH204				04/09/2018	50.5	20	0.7	0	3	6.9	<0.1	5cm mud at base	1006	0.0505	0.02	CS2	CS2							
BH204				17/09/2018	50.7	19.8	0.6	0	6	1.6	0.1	DRY	996	0.0507	0.0198	CS2	CS2							
BH204				03/10/2018	4.8	4.8	18.8	0	0	2.5	<0.1	13.91	1010	0.0048	0.0048	CS2	CS1							
BH204				15/10/2018	41.1	18.3	5	0	0	0.2	-0.3	13.9	994	-0.1233	-0.0549	CS2	CS2							
BH201	Area A - Landfill	Waste	1.0-6.0	15/08/2018	14.2	11.7	4.1	0	4	13	<0.1	DRY	1002	0.0142	0.0117	CS2	CS2	32.2	25.5	0.1	0.0322	0.0255	CS2	CS2
BH201				24/08/2018	24.5	25.5	1	0	6	0.7	-0.1	5.89	999	-0.0245	-0.0255	CS2	CS2							
BH201				04/09/2018	29.3	11.8	7.1	0	4	4.9	<0.1	5.9	1006	0.0293	0.0118	CS2	CS2							
BH201				18/09/2018	20.4	14.3	7.3	0	1	10.4	<0.1	5.875	991	0.0204	0.0143	CS2	CS2							
BH201				03/10/2018	32.2	21.7	13.5	0	0	0	<0.1	5.91	1011	0.0322	0.0217	CS2	CS2							
BH201				16/10/2018	14	6.6	5.2	0	2	0.7	<0.1	5.68	1000	0.014	0.0066	CS2	CS2							
GW201 (gas)	Off Site	Chalk	2.5-10.2	13/09/2018	0.5	5.2	15.5	0	0	0	0.1	-	1009	0.0005	0.0052	CS1	CS1	0.9	5.6	0.1	0.0009	0.0056	CS1	CS1
GW201 (gas)				18/09/2018	0.9	5.6	15.1	0	0	3.6	<0.1	-	991	0.0009	0.0056	CS1	CS1							
GW201 (gas)				01/10/2018	0.6	5.2	16.1	0	0	0	<0.1	-	1009	0.0006	0.0052	CS1	CS1							
GW201 (gas)				16/10/2018	0.1	5.3	15.1	0	0	0.2	<0.1	-	1001	0.0001	0.0053	CS1	CS1							
BWS202	Area B - WVP	Chalk	1.0-5.0	13/08/2018	0.3	4.4	18.9	0	2	0.4	-0.1	DRY	992	-0.0003	-0.0044	CS1	CS1	1	4.4	0.1	0.001	0.0044	CS1	CS1
BWS202				22/08/2018	1	1	19.9	0	1	2.7	0.1	DRY	1001	0.001	0.001	CS1	CS1							
BWS202				03/09/2018	0.5	1.2	19.5	0	0	0.3	<0.1	Gas clam	1006	0.0005	0.0012	CS1	CS1							
BBH204	Area B - WVP	Chalk	4.0-20.5	13/08/2018	0	1.3	19.8	0	1	63.3	<0.1	DRY	992	0	0.0013	CS1	CS1	0.5	3.6	0.2	0.001	0.0072	CS1	CS1
BBH204				22/08/2018	0.5	1.6	19.5	0	2	35.2	0.2	DRY	1001	0.001	0.0032	CS1	CS1							
BBH204				03/09/2018	0.5	2	19.1	0	0	0	-0.1	DRY	1006	-0.0005	-0.002	CS1	CS1							
BBH204				17/09/2018	0.5	0.2	20.8	0	1	0	<0.1	DRY	1001	0.0005	0.0002	CS1	CS1							
BBH204				01/10/2018	0.5	3.6	17.5	0	0	30.3	<0.1	DRY	1012	0.0005	0.0036	CS1	CS1							
BBH204				15/10/2018	0.5	2	19.3	0	0	0	<0.1	20.8	994	0.0005	0.002	CS1	CS1							
BWS206	Area B - WVP	CwF	0.5-3.5	13/08/2018	0	1	20.2	0	1	16.5	<0.1	DRY	992	0	0.001	CS1	CS1	0.5	3.2	0.2	0.001	0.0064	CS1	CS1
BWS206				22/08/2018	0.4	0.6	20.5	0	2	11.5	0.2	DRY	1001	0.0008	0.0012	CS1	CS1							
BWS206				03/09/2018	0.4	1.3	19.9	0	0	0	<0.1	DRY	1006	0.0004	0.0013	CS1	CS1							
BWS206				17/09/2018	0.4	0.3	20.7	0	1	8.2	<0.1	DRY	1001	0.0004	0.0003	CS1	CS1							
BWS206				01/10/2018	0.5	3.2	20	0	0	22.6	<0.1	DRY	1012	0.0005	0.0032	CS1	CS1							
BWS206				15/10/2018	0.5	1	20.6	0	0	0	<0.1	3.49	994	0.0005	0.001	CS1	CS1							
BWS207	Area B - WVP	Chalk	2.0-5.0	13/08/2018	0	1	20.3	0	1	23.8	-0.1	DRY	992	0	-0.001	CS1	CS1	0.5	1	0.2	0.001	0.002	CS1	CS1
BWS207				22/08/2018	0.4	0.4	20.5	0	2	14.2	0.2	DRY	1001	0.0008	0.0008	CS1	CS1							
BWS207				03/09/2018	0.4	0.7	20	0	0	0	<0.1	DRY	1006	0.0004	0.0007	CS1	CS1							
BWS207				17/09/2018	0.4	0.2	20.8	0	1	0	<0.1	DRY	1001	0.0004	0.0002	CS1	CS1							
BWS207				01/10/2018	0.5	0.3	20.5	0	0	0	0.1	DRY	1012	0.0005	0.0003	CS1	CS1							
BWS207				15/10/2018	0.5	0.7	20.9	0	0	15.7	<0.1	DRY	995	0.0005	0.0007	CS1	CS1							
BWS213		Chalk	1.5-5.0	14/08/2018	0.2	3.5	18.2	0	0	5.4	-0.1	DRY	1001	-0.0002	-0.0035	CS1	CS1	0.7	23	0.1	0.0007	0.023	CS1	CS2
BWS213				24/08/2018	0.5	5.5	15.7	0	0	0.4	<0.1	DRY	999	0.0005	0.0055	CS1	CS2							
BWS213				04/09/2018	0.5	23	13.5	0	1	1.2	<0.1	DRY	1005	0.0005	0.023	CS1	CS2							
BWS213				18/09/2018	0.7	6.6	12.6	0	0	2.2	-0.1	DRY	995	-0.0007	-0.0066	CS1	CS2							
BWS213				03/10/2018	0.4	4.3	18.7	0	0	0	-0.1	DRY	1013	-0.0004	-0.0043	CS1	CS1							
BWS213				16/10/2018	0.1	7.4	17.4	0	1	0	<0.1	DRY	1001	0.0001	0.0074	CS1	CS2							
BWS214		Chalk	2.0-5.0	14/08/2018	0.1	9.2	4.7	0	1	0.8	<0.1	DRY	1002	0.0001	0.0092	CS1	CS2	9.3	12.7	0.1	0.0093	0.0127	CS2	CS2
BWS214				24/08/2018	0.8	11.4	0.3	0	2	0	-0.1	DRY	1001	-0.0008	-0.0114	CS1	CS2							
BWS214				03/09/2018	3.2	11.5	0.3	0	2	6	<0.1	DRY	1007	0.0032	0.0115	CS2	CS2							

Appendix F

F2 Gas Monitoring Data - Wigmore Valley Park

Well ID	Location	Strata	Response Zone	Date	Peak CH4 (%v/v)	Peak CO2 (%v/v)	Min O2 (%v/v)	Peak H2S (ppm)	Peak CO (ppm)	Peak PID (ppm)	Peak Flow (l/hr)	Water Level (mbgl)	Atmos Pressure (mBar)	Gas Screening Value - GSV (l/hr)		Characteristic Situation		Maximum (Worst Case)			Worst Case GSV		Worst Case CS	
														CH4	CO2	CH4	CO2	CH4 (%)	CO2 (%)	Flow (l/hr)	CH4	CO2	CH4	CO2
BWS214				18/09/2018	9.3	12.7	0.1	0	1	1.7	<0.1	DRY	995	0.0093	0.0127	CS2	CS2							
BWS214				02/10/2018	1	11.1	5.3	0	0	7.8	<0.1	DRY	1007	0.001	0.0111	CS2	CS2							
BWS214				16/10/2018	0.6	11.1	9.4	0	1	0	<0.1	DRY	1002	0.0006	0.0111	CS1	CS2							
BBH209		Chalk	3.0-20.5	14/08/2018	<0.1	0.1	20.5	0	2	57.3	<0.1	DRY	1002	0.0001	0.0001	CS1	CS1	27.7	20.5	0.1	0.0277	0.0205	CS2	CS2
BBH209				23/08/2018	14.3	6.9	15.4	0	1	38.1	-0.1	DRY	998	-0.0143	-0.0069	CS2	CS2							
BBH209				03/09/2018	0.4	1.2	17.6	0	1	1.9	<0.1	DRY	1006	0.0004	0.0012	CS1	CS1							
BBH209				17/09/2018	9.1	3.9	14	0	2	34.2	<0.1	DRY	999	0.0091	0.0039	CS2	CS1							
BBH209				01/10/2018	7.9	4	14	0	2	26.6	<0.1	DRY	1012	0.0079	0.004	CS2	CS1							
BBH209				15/10/2018	27.7	20.5	17	0	0	0	<0.1	DRY	997	0.0277	0.0205	CS2	CS2							
BWS211		Clay with Flints	0.5-5.0	14/08/2018	54.4	29.7	8.9	0	2	30.1	<0.1	DRY	1002	0.0544	0.0297	CS2	CS2	54.4	29.7	0.2	0.1088	0.0594	CS2	CS2
BWS211				22/08/2018	0.4	1.4	17.1	0	3	23.1	0.2	DRY	1001	0.0008	0.0028	CS1	CS1							
BWS211				03/09/2018	0.9	1	19.4	0	1	1.6	0.2	DRY	1006	0.0018	0.002	CS1	CS1							
BWS211				17/09/2018	0.3	2.2	14.8	0	2	28.6	<0.1	DRY	1000	0.0003	0.0022	CS1	CS1							
BWS211				01/10/2018	0.4	0.5	20.7	0	0	20.6	-0.1	DRY	1012	-0.0004	-0.0005	CS1	CS1							
BWS211				15/10/2018	0.4	0.5	21.2	0	0	5.2	<0.1	5.14	995	0.0004	0.0005	CS1	CS1							
BWS210		Clay with Flints	1.2-4.2	14/08/2018	0.1	0.9	21.1	0	2	18.5	-0.1	DRY	1002	-0.0001	-0.0009	CS1	CS1	0.4	0.9	0.2	0.0008	0.0018	CS1	CS1
BWS210				22/08/2018	0.4	0.7	20.3	0	2	12.7	0.2	DRY	1001	0.0008	0.0014	CS1	CS1							
BWS210				03/09/2018	0.4	0.9	18.6	0	1	11.5	0.1	DRY	1006	0.0004	0.0009	CS1	CS1							
BWS210				17/09/2018	0.3	0.7	19.8	0	2	0	<0.1	DRY	1000	0.0003	0.0007	CS1	CS1							
BWS210				01/10/2018	0.4	0.8	19.8	0	0	7.7	<0.1	DRY	1012	0.0004	0.0008	CS1	CS1							
BWS210				15/10/2018	0.4	0.8	20.8	0	0	0	<0.1	4.25	995	0.0004	0.0008	CS1	CS1							
BWS218		Clay with Flints	0.5-5.0	14/08/2018	0	1.1	21.5	0	2	33.4	<0.1	DRY	1002	0	0.0011	CS1	CS1	0.4	1.1	0.2	0.0008	0.0022	CS1	CS1
BWS218				22/08/2018	0.4	0.4	20.8	0	2	22.1	0.2	DRY	1001	0.0008	0.0008	CS1	CS1							
BWS218				03/09/2018	0.4	1	19.4	0	0	13.2	0.1	DRY	1006	0.0004	0.001	CS1	CS1							
BWS218				17/09/2018	0.3	0.5	20.2	0	1	0	<0.1	DRY	1000	0.0003	0.0005	CS1	CS1							
BWS218				01/10/2018	0.4	0.4	20.2	0	0	0	<0.1	DRY	1013	0.0004	0.0004	CS1	CS1							
BWS218				15/10/2018	0.4	0.7	20.7	0	0	0	<0.1	DRY	995	0.0004	0.0007	CS1	CS1							
BWS209		Chalk	2.0-5.0	14/08/2018	<0.1	0.6	21.5	0	2	33.2	<0.1	DRY	1002	0.0001	0.0006	CS1	CS1	0.5	5.9	0.2	0.001	0.0118	CS1	CS1
BWS209				22/08/2018	0.5	0.9	18.9	0	2	28.1	0.2	DRY	1001	0.001	0.0018	CS1	CS1							
BWS209				03/09/2018	0.4	3.2	17.2	0	0	2.3	0.1	DRY	1006	0.0004	0.0032	CS1	CS1							
BWS209				17/09/2018	0.4	5.9	17.6	0	1	25.5	<0.1	DRY	1000	0.0004	0.0059	CS1	CS1							
BWS209				01/10/2018	0.4	0.3	20.3	0	0	0	<0.1	DRY	1012	0.0004	0.0003	CS1	CS1							
BWS209				15/10/2018	0.4	3.8	18.3	0	0	9.3	<0.1	DRY	995	0.0004	0.0038	CS1	CS1							
BWS203		Clay with Flints	0.5-2.5	14/08/2018	0	1.7	19.9	1	19.9	9.1	<0.1	DRY	1002	0	0.0017	CS1	CS1	4.1	12.2	0.1	0.0041	0.0122	CS2	CS2
BWS203				24/08/2018	3.1	2.3	19.1	0	1	8.6	<0.1	DRY	999	0.0031	0.0023	CS2	CS1							
BWS203				04/09/2018	4.1	3.5	16	0	1	8.5	-0.1	DRY	1006	-0.0041	-0.0035	CS2	CS1							
BWS203				17/09/2018	0.6	1.9	19.4	0	1	6.7	<0.1	DRY	1001	0.0006	0.0019	CS1	CS1							
BWS203				03/10/2018	1.1	1.5	20.1	0	0	12.1	<0.1	DRY	1010	0.0011	0.0015	CS2	CS1							
BWS203				15/10/2018	3.4	12.2	16.8	0	0	1.2	<0.1	DRY	994	0.0034	0.0122	CS2	CS2							
BBH210		Chalk	12.0-20.5	15/08/2018	3.2	1.8	9.3	0	1	3.8	-0.1	DRY	1001	-0.0032	-0.0018	CS2	CS1	9.3	3.3	-0.2	-0.0186	-0.0066	CS2	CS1
BBH210				23/08/2018	4	1.4	12.9	0	1	0.6	-0.1	DRY	996	-0.004	-0.0014	CS2	CS1							
BBH210				06/09/2018	9.3	3.3	0.3	0	0	16.3	0.1	DRY	1001	0.0093	0.0033	CS2	CS1							
BBH210				01/10/2018	0.6	0.2	20.7	0	0	0	-0.2	DRY	1009	-0.0012	-0.0004	CS1	CS1							
BBH210				18/10/2018	0.8	0.4	19.9	0	0	0	<0.1	DRY	999	0.0008	0.0004	CS1	CS1							

Appendix F

F3 Gas Monitoring Data - Long Term Car Park

Well ID	Location	Strata	Response zone	Date	Peak CH4 (%v/v)	Peak CO2 (%v/v)	Min O2 (%v/v)	Peak H2S (ppm)	Peak CO (ppm)	Peak PID (ppm)	Peak Flow (l/hr)	Water Level (mbgl)	Atmos Pressure (mBar)	Gas Screening Value - GSV (l/hr)		Characteristic Situation		Maximum (Worst Case)			Worst Case GSV		Worst Case CS	
														CH4	CO2	CH4	CO2	CH4 (%)	CO2 (%)	Flow (l/hr)	CH4	CO2	CH4	CO2
BH210	Area A - Landfill	Waste	2.0-10.0	10/01/2019	26.2	9.4	0.1	0	1	0	0.1	9.58	1011	0.0262	0.0094	CS2	CS2	64.2	12.5	0.6	0.3852	0.075	CS2	CS2
BH210				21/01/2019	51.9	10.3	1.6	0	1	1.2	0.2	9.99	1002	0.1038	0.0206	CS2	CS2							
BH210				05/02/2019	8.8	8.1	2.6	0	3	12.3	-0.3	9.9	1006	-0.0264	-0.0243	CS2	CS2							
BH210				18/02/2019	59.9	12.5	7.1	0	2	3.5	0.5	9.875	998	0.2995	0.0625	CS2	CS2							
BH210				05/03/2019	64.2	11.6	11.4	0.0	1.0	0.0	0.2	9.860	987	0.1284	0.0232	CS2	CS2							
BH210				21/03/2019	29.3	9.0	1.2	0.0	0.0	0.0	0.6	9.860	1015	0.1758	0.054	CS2	CS2							
BH216	Area A - Landfill	Waste	2.9-8.0	10/01/2019	28.3	16.8	0.1	0	2	0	0.1	7.91	1004	0.0283	0.0168	CS2	CS2	57.4	16.8	0.7	0.4018	0.1176	CS2	CS2
BH216				21/01/2019	32.2	9.2	0.1	0	2	0	0.2	7.88	1002	0.0644	0.0184	CS2	CS2							
BH216				05/02/2019	33.7	13.7	0.1	0	2	1.6	0.3	7.85	1005	0.1011	0.0411	CS2	CS2							
BH216				18/02/2019	55.6	12.0	0.1	0	2	0.0	0.7	7.885	998	0.3892	0.084	CS2	CS2							
BH216				05/03/2019	34.2	13.4	0.2	0	2	0.0	0.6	7.905	981	0.2052	0.0804	CS2	CS2							
BH216				21/03/2019	57.4	11.9	0.1	0	1	0.0	0.6	7.920	1015	0.3444	0.0714	CS2	CS2							
BH217	Area A - Landfill	Waste	1.9-12.5	14/01/2019	62.6	12	0.2	0	2	0.2	-0.1	12.44	1002	-0.0626	-0.012	CS2	CS2	62.6	12.3	0.9	0.5634	0.1107	CS2	CS2
BH217				21/01/2019	58.2	12.1	0.1	0	3	0.5	0.6	12.43	1002	0.3492	0.0726	CS2	CS2							
BH217				05/02/2019	55.5	11.1	0.1	0	2	2.6	0.1	12.46	1005	0.0555	0.0111	CS2	CS2							
BH217				18/02/2019	31.0	9.4	0.1	0	2	0.0	0.9	12.465	997	0.279	0.0846	CS2	CS2							
BH217				05/03/2019	60.6	12.3	0.1	0	2	0.8	0.4	12.430	987	0.2424	0.0492	CS2	CS2							
BH217				21/03/2019	55.9	11.9	0.1	0	1	0.0	0.3	12.460	1015	0.1677	0.0357	CS2	CS2							
BH222	Area A - Landfill	Waste	0.9-7.5	10/01/2019	73.4	17.1	0.1	0	3	0	<0.1	7.56	1011	0.0734	0.0171	CS2	CS2	73.4	17.1	0.1	0.0734	0.0171	CS2	CS2
BH222				21/01/2019	32.2	12.7	3	0	6	0.5	-0.1	7.235	1003	-0.0322	-0.0127	CS2	CS2							
BH222				05/02/2019	15	13.4	0.2	0	3	2.5	<0.1	7.42	1006	0.015	0.0134	CS2	CS2							
BH222				18/02/2019	24.7	15.2	0.2	0	3	0.5	0.1	7.260	998	0.0247	0.0152	CS2	CS2							
BH222				05/03/2019	2.0	1.3	18.1	0	1	0.6	<0.1	7.535	987	0.002	0.0013	CS2	CS1							
BH222				21/03/2019	10.8	7.2	7.4	0	6	0.0	0.1	7.490	1016	0.0108	0.0072	CS2	CS2							
BH223	Area A - Landfill	Waste	1.0-9.5	10/01/2019	66.8	22.6	0.5	1	2	0.1	0.1	8.14	1013	0.0668	0.0226	CS2	CS2	74.5	60	0.1	0.0745	0.06	CS2	CS2
BH223				21/01/2019	37.6	15.1	3.3	0	10	1.2	0.1	8.14	1007	0.0376	0.0151	CS2	CS2							
BH223				05/02/2019	33.2	13.7	5.8	0	0	0.4	-0.1	8.17	1006	-0.0332	-0.0137	CS2	CS2							
BH223				18/02/2019	69.1	8.2	0.7	0	0	0.5	<0.1	8.160	998	0.0691	0.0082	CS2	CS2							
BH223				05/03/2019	74.5	8.0	1.0	0	0	0.7	-0.1	8.175	985	-0.0745	-0.008	CS2	CS2							
BH223				21/03/2019	63.4	60.0	1.1	1	0	0.9	-0.1	8.180	1016	-0.0634	-0.06	CS2	CS2							
BH227	Area A - Landfill	Waste	0.5-5.5	10/01/2019	34.4	14.6	0.1	0	8	0	0.1	5.57	1011	0.0344	0.0146	CS2	CS2	34.4	16.4	0.1	0.0344	0.0164	CS2	CS2
BH227				21/01/2019	21.2	8.4	0.1	0	10	1.3	-0.1	DRY	1003	-0.0212	-0.0084	CS2	CS2							
BH227				05/02/2019	31.3	11.3	0.1	0	2	3.1	<0.1	DRY	1007	0.0313	0.0113	CS2	CS2							
BH227				18/02/2019	27.7	16.4	0.2	0	7	0.1	<0.1	5.575	998	0.0277	0.0164	CS2	CS2							
BH227				05/03/2019	2.8	7.9	19.2	0	1	1.1	<0.1	5.560	986	0.0028	0.0079	CS2	CS2							
BH227				21/03/2019	12.8	4.5	11.0	0	2	0.0	<0.1	5.575	1016	0.0128	0.0045	CS2	CS1							
BH228	Area A - Landfill	Waste	1.0-8.5	10/01/2019	45.2	16.7	0.1	0	0	0.1	-0.1	8.21	1011	-0.0452	-0.0167	CS2	CS2	45.2	16.7	-0.2	-0.0904	-0.0334	CS2	CS2
BH228				21/01/2019	36.3	12.8	0.1	0	3	11.1	<0.1	8.13	1007	0.0363	0.0128	CS2	CS2							
BH228				05/02/2019	30	3.9	0.1	0	4	0	<0.1	6.3	1007	0.03	0.0039	CS2	CS1							
BH228				18/02/2019	31.0	7.1	0.1	0	0	0.9	<0.1	8.080	998	0.031	0.0071	CS2	CS2							
BH228				05/03/2019	28.9	5.9	10.7	0	14	1.8	-0.2	7.530	986	-0.0578	-0.0118	CS2	CS2							
BH228				21/03/2019	28.4	5.0	0.1	1	0	0.1	<0.1	7.500	1016	0.0284	0.005	CS2	CS2							
BH231	Area A - Landfill	Waste	1.0-8.0	10/01/2019	57.4	8.2	0	0	13	1.3	<0.1	7.78	1012	0.0574	0.0082	CS2	CS2	75.6	8.2	-0.5	-0.378	-0.041	CS2	CS2
BH231				21/01/2019	75.6	7.4	0.2	0	11	2	0.2	7.665	1006	0.1512	0.0148	CS2	CS2							
BH231				05/02/2019	35.7	0.4	0.1	0	9	2.7	0.2	6.9	1008	0.0714	0.0008	CS2	CS1							
BH231				18/02/2019	44.6	6.8	0.1	0	22	0.0	-0.5	7.380	998	-0.223	-0.034	CS2	CS2							
BH231				05/03/2019	45.7	0.6	0.1	0	15	2.4	-0.1	7.360	986	-0.0457	-0.0006	CS2	CS1							
BH231				21/03/2019	28.2	5.1	15.0	0	0	4.4	0.1	7.040	1016	0.0282	0.0051	CS2	CS2							
BH232	Area A - Landfill	Waste	1.0-6.5	10/01/2019	34.9	18.1	0.5	0	4	0	0.1	6.53	1011	0.0349	0.0181	CS2	CS2	60.7	18.1	0.1	0.0607	0.0181	CS2	CS2
BH232				21/01/2019	10.9	13.4	0.5	0	7	1.4	<0.1	6.55	1002	0.0109	0.0134	CS2	CS2							
BH232				05/02/2019	60.7	11.5	4.4	0	2	24.2	<0.1	6.59	1007	0.0607	0.0115	CS2	CS2							
BH232				18/02/2019	59.4	17.6	0.1	0	4	2.2	<0.1	6.570	998	0.0594	0.0176	CS2	CS2							
BH232				05/03/2019	7.4	11.9	6.5	0	3	9.6	-0.1	6.570	987	-0.0074	-0.0119	CS2	CS2							
BH232				21/03/2019	56.1	0.1	15.7	0	0	0.0	<0.1	6.580	1016	0.0561	0.0001	CS2	CS1							
BWS217	Area A - Landfill	Waste	1.45-5.45	10/01/2019	0.8	0.5	21.3	0	9	0.2	-0.2	3.19	1012	-0.0016	-0.001	CS1	CS1	25.6	6.9	-9	-2.304	-0.621	CS3	CS2
BWS217				21/01/2019	25.6	6.9	7.5	0	6	4	-0.6	3.24	1005	-0.1536	-0.0414	CS2	CS2							
BWS217				06/02/2019	0.1	0.1	4.9	0	0	0.4	-9	2.97	1002	-0.009	-0.009	CS1	CS1							
BWS217				05/03/2019	10.2	0.2	5.8	0	5	1.4	-8.8	3.190	986	-0.8976	-0.0176	CS2	CS1							
WS214	Area A - Landfill	Waste	0.5-3.56	10/01/2019	46.2	1.6	2.9	0	0	0.1	-3.6	3.45	1013	-1.6632	-0.0576	CS3	CS1	46.2	5.9	-4.6	-2.1252	-0.2714	CS3	CS2
WS214				05/02/2019	45.8	5.9	0.5	0	0	0	<0.1	3.405	1006	0.0458	0.0059	CS2	CS2							
WS214				18/02/2019	44.6	2.0	0.1	0	0	0.1	-4.6	3.460	998	-2.0516	-0.092	CS3	CS2							
WS214				05/03/2019	43.5	2.3	0.1	0	0	0.3	-0.2	3.490	985	-0.087	-0.0046	CS2	CS1							
WS220	Area A - Landfill	Waste	0.45-5.0	10/01/2019	72.9	23.2	0.5	0	2	0	0.2	5.01	1011	0.1458	0.0464	CS2	CS2	72.9	23.2	0.4	0.2916	0.0928	CS2	CS2
WS220				21/01/2019	71.1	18	0.5	0	2	1.1	0.4	5.01	1005	0.2844	0.072	CS2	CS2							
WS220				05/03/2019	53.8	13.5	4.7	0	2	1.5	-0.3	DRY	987	-0.1614	-0.0405	CS2	CS2							
WS220				21/03/2019	71.3	16.1	0.6	0	1	0.0	<0.1	5.03	1016	0.0713	0.0161	CS2	CS2							
WS222	Area A - Landfill	Waste	1.0-5.0	10/01/2019	76.8	7.6	0.1	0	2	0	0.2	4.97	1012	0.1536	0.0152	CS2	CS2	76.8	10.1	0.3	0.2304	0.0303	CS2	CS2
WS222				21/01/2019	76.7	8.4	0.1	0	2	0	0.3	4.985	1005	0.2301	0.0252	CS2	CS2							
WS222				05/02/2019	76.2	7.9	0.1	0	2	3	0.1	4.98	1007	0.0762	0.0079	CS2	CS2							
WS222				18/02/2019	76.8	7.6	0.1	0	2	0.0	0.1	4.970	998	0.0768	0.0076	CS2	CS2							
WS222				05/03/2019	74.9	10.1	0.1	2	7	0.6	-0.1	4.970	987	-0.0749	-0.0101	CS2	CS2							

Appendix F

F3 Gas Monitoring Data - Long Term Car Park

Well ID	Location	Strata	Response zone	Date	Peak CH4 (%v/v)	Peak CO2 (%v/v)	Min O2 (%v/v)	Peak H2S (ppm)	Peak CO (ppm)	Peak PID (ppm)	Peak Flow (l/hr)	Water Level (mbgl)	Atmos Pressure (mBar)	Gas Screening Value - GSV (l/hr)		Characteristic Situation		Maximum (Worst Case)			Worst Case GSV		Worst Case CS	
														CH4	CO2	CH4	CO2	CH4 (%)	CO2 (%)	Flow (l/hr)	CH4	CO2	CH4	CO2
WS222				21/03/2019	76.1	10.1	0.2	2	5	1.1	<0.1	4.990	1016	0.0761	0.0101	CS2	CS2							
WS223	Area A - Landfill	Waste	0.5-1.5	10/01/2019	42	8.8	15.8	0	8	0.7	<0.1	DRY	1012	0.042	0.0088	CS2	CS2	42	8.8	-0.9	-0.378	-0.0792	CS2	CS2
WS223				21/01/2019	1.3	0.4	21.2	0	5	3.1	<0.1	1.44	1005	0.0013	0.0004	CS2	CS1							
WS223				05/02/2019	7.7	0.1	16.8	0	9	2.7	<0.1	1.34	1007	0.0077	0.0001	CS2	CS1							
WS223				18/02/2019	14.1	2.1	16.7	0	8	2.1	0.1	1.290	998	0.0141	0.0021	CS2	CS1							
WS223				05/03/2019	0.3	0.1	20.4	0	6	2.5	0.1	1.195	986	0.0003	0.0001	CS1	CS1							
WS223				21/03/2019	0.1	0.1	20.7	1	5	1.9	-0.9	1.140	1016	-0.0009	-0.0009	CS1	CS1							
WS224	Area A - Landfill	Waste	1.0-5.0	10/01/2019	71.2	4.9	0.3	0	23	3.7	0.1	4.87	1012	0.0712	0.0049	CS2	CS1	80.6	7.6	0.1	0.0806	0.0076	CS2	CS2
WS224				21/01/2019	73.4	3.4	0.4	0	29	1.8	0.1	4.92	1007	0.0734	0.0034	CS2	CS1							
WS224				05/02/2019	80.6	0.4	0.6	0	25	2.6	0.1	4.38	1007	0.0806	0.0004	CS2	CS1							
WS224				18/02/2019	69.4	7.6	0.4	0	22	2.3	<0.1	4.510	998	0.0694	0.0076	CS2	CS2							
WS224				05/03/2019	71.5	0.5	0.9	0	27	3.9	-0.1	4.355	986	-0.0715	-0.0005	CS2	CS1							
WS225	Area A - Landfill	Waste	1.0-4.9	10/01/2019	59.2	18.6	0.1	0	1	2.6	<0.1	4.96	1012	0.0592	0.0186	CS2	CS2	59.2	18.6	-0.8	-0.4736	-0.1488	CS2	CS2
WS225				21/01/2019	45	15.4	0.6	0	22	0.1	-0.8	4.965	1007	-0.36	-0.1232	CS2	CS2							

Appendix F

F4 Gas Monitoring Data - Long Term Monitoring

Well ID	Location	Strata	Response zone	Date	Peak CH4 (%v/v)	Peak CO2 (%v/v)	Min O2 (%v/v)	Peak H2S (ppm)	Peak CO (ppm)	Peak PID (ppm)	Peak Flow (l/hr)	Water Level (mbgl)	Atmos Pressure (mBar)	Gas Screening Value - GSV (l/hr)		Characteristic Situation		Maximum (Worst Case)			Worst Case GSV		Worst Case CS	
														CH4	CO2	CH4	CO2	CH4 (%)	CO2 (%)	Flow (l/hr)	CH4	CO2	CH4	CO2
LF-BH03G	Area A - Landfill	Waste	1.0-6.0	06/02/2017	51.8	21.8	<0.1	2	1		<0.1	Dry	999	0.0518	0.0218	CS2	CS2	51.8	21.8	0.1	0.0518	0.0218	CS2	CS2
LF-BH03G				15/03/2017	0.1	10.9	4.8	0	1		<0.1	5.93	1016	0.0001	0.0109	CS1	CS2							
LF-BH03G				16/05/2017	7.4	13.7	<0.1	1	6		<0.1	5.96	1005	0.0074	0.0137	CS2	CS2							
LF-BH03G				01/04/2018	27.5	14.8	0.1	2	5	0.1	<0.1	5.56	996	0.0275	0.0148	CS2	CS2							
LF-BH03G				01/05/2018	28.2	16	<0.1	1	0	0.5	<0.1	5.64	1010	0.0282	0.016	CS2	CS2							
LF-BH03G				15/06/2018	24	15.2	0.1	1	1	0.1	0.1		1000	0.024	0.0152	CS2	CS2							
LF-BH03G				12/07/2018	33.6	15.3	0.2	2	0	0.1	<0.1		1006	0.0336	0.0153	CS2	CS2							
LF-BH03G				13/08/2018	32.1	16.4	0.6	7	1	0	0.1		993	0.0321	0.0164	CS2	CS2							
LF-BH03G				28/09/2018	6.9	13.5	4.9	0	0		<0.1		1015	0.0069	0.0135	CS2	CS2							
LF-BH03G				25/10/2018	38.3	17.4	0.1	7	0		<0.1		1009	0.0383	0.0174	CS2	CS2							
LF-BH03G				19/11/2018	32.3	16.7	0.1	6	1		<0.1		1010	0.0323	0.0167	CS2	CS2							
LF-BH03G				07/12/2018	32	12.9	2.5	4	0		<0.1		985	0.032	0.0129	CS2	CS2							
LF-BH03G				23/01/2019	40.7	16.8	0.1	7	0		<0.1		984	0.0407	0.0168	CS2	CS2							
LF-BH03G				18/02/2019	29	16.3	0.1	9	0		<0.1		998	0.029	0.0163	CS2	CS2							
LF-BH03G				18/03/2019	1.2	14.2	7.9	0	0		<0.1		1004	0.0012	0.0142	CS2	CS2							
LF-BH05G	Area D - LLOAL Compound	MG	1.0-6.0	07/02/2017	6.3	9.7	<0.1	0	0		<0.1	Dry	994	0.0063	0.0097	CS2	CS2	8.7	9.7	0.1	0.0087	0.0097	CS2	CS2
LF-BH05G				15/03/2017	8.7	7.5	<0.1	0	2		0.1	5.95	1016	0.0087	0.0075	CS2	CS2							
LF-BH05G				06/04/2017	<0.1	2.8	17.4	1	0		<0.1	5.95	1012	0.0001	0.0028	CS1	CS1							
LF-BH05G				16/05/2017	<0.1	3.1	17.3	0	0		0.1	5.95	1005	0.0001	0.0031	CS1	CS1							
LF-BH05G				01/04/2018	<0.1	2.9	17.1	0	1	0	<0.1	2.82	995	0.0001	0.0029	CS1	CS1							
LF-BH05G				01/05/2018	<0.1	3.7	17.7	1	0	0	0.1	2.92	1011	0.0001	0.0037	CS1	CS1							
LF-BH05G				14/06/2018	<0.1	3.2	17.9	1	1	1	0.1		994	0.0001	0.0032	CS1	CS1							
LF-BH05G				11/07/2018	0.4	3.5	18.1	1	0	2.6	0.1		1004	0.0004	0.0035	CS1	CS1							
LF-BH05G				13/08/2018	<0.1	5.9	12.9	0	1	0	<0.1		990	0.0001	0.0059	CS1	CS1							
LF-BH05G				28/09/2018	0.3	3.2	17	0	0		<0.1		1013	0.0003	0.0032	CS1	CS1							
LF-BH05G				25/10/2018	<0.1	1.8	19.9	0	0		<0.1		1006	0.0001	0.0018	CS1	CS1							
LF-BH05G				19/11/2018	<0.1	3	19.1	0	0		<0.1		1007	0.0001	0.003	CS1	CS1							
LF-BH05G				07/12/2018	5.8	2.7	17.7	0	0		<0.1		983	0.0001	0.0027	CS1	CS1							
LF-BH05G				23/01/2019	<0.1	6.7	11.9	0	0		<0.1		983	0.0001	0.0067	CS1	CS1							
LF-BH05G				18/02/2019	<0.1	0.1	20.5	0	0		<0.1		999	0.0001	0.0001	CS1	CS1							
LF-BH05G				18/03/2019	<0.1	0.1	20.9	0	0		<0.1		1005	0.0001	0.0001	CS1	CS1							
LF-BH06	Area A - Landfill	Waste	1.0-12.0	07/02/2017	0.5	1.3	2.1	0	0		<0.1	12.06	994	0.0005	0.0013	CS1	CS2	56.3	20.3	0.3	0.1689	0.0609	CS2	CS2
LF-BH06				15/03/2017	26	9.5	2.1	0	16		0.1	12.06	1014	0.026	0.0095	CS2	CS2							
LF-BH06				06/04/2017	16	6	12.9	0	1		-0.1	12.06	1012	-0.016	-0.006	CS2	CS2							
LF-BH06				01/04/2018	<0.1	0.1	20.7	0	1	1.1	<0.1	11.66	997	0.0001	0.0001	CS1	CS1							
LF-BH06				01/05/2018	21.1	9.4	5.9	1	2	0.1	0.3	12.05	1011	0.0633	0.0282	CS2	CS2							
LF-BH06				14/06/2018	<0.1	<0.1	20.6	0	1	0.8	<0.1		996	0.0001	0.0001	CS1	CS1							
LF-BH06				12/07/2018	6.6	2.8	18	1	0	1.4	0.1		1006	0.0066	0.0028	CS2	CS1							
LF-BH06				28/09/2018	0.2	0.1	21.3	0	0		<0.1		1012	0.0002	0.0001	CS1	CS1							
LF-BH06				25/10/2018	56.3	20.3	0.1	4	2		<0.1		1006	0.0563	0.0203	CS2	CS2							
LF-BH06				19/11/2018	49.2	20.1	<0.1	3	2		<0.1		1007	0.0492	0.0201	CS2	CS2							
LF-BH06				07/12/2018	46.5	12.7	0.1	0	1		<0.1		982	0.0465	0.0127	CS2	CS2							
LF-BH06				23/01/2019	0.2	0.4	22	0	0		<0.1		983	0.0002	0.0004	CS1	CS1							
LF-BH06				18/02/2019	20.7	10.1	10.7	0	0		<0.1		1001	0.0207	0.0101	CS2	CS2							
LF-BH06				18/03/2019	<0.1	0.1	20.9	0	0		<0.1		1005	0.0001	0.0001	CS1	CS1							
LF-BH07	Area A - Landfill	Waste	1.0-16.0	07/02/2017	17.3	9.8	13.5	0	0		-0.1	Dry	994	-0.0173	-0.0098	CS2	CS2	61.2	23.6	0.2	0.1224	0.0472	CS2	CS2
LF-BH07				15/03/2017	37.8	17.5	0.6	1	11		0.1	Dry	1014	0.0378	0.0175	CS2	CS2							
LF-BH07				06/04/2017	32.8	17.4	0.1	0	12		0.1	Dry	1010	0.0328	0.0174	CS2	CS2							
LF-BH07				17/05/2017	28.6	17.1	<0.1	0	9		0.1	Dry	997	0.0286	0.0171	CS2	CS2							
LF-BH07				01/04/2018	15.7	10.4	11.6	2	2	1.8	<0.1	Dry	999	0.0157	0.0104	CS2	CS2							
LF-BH07				01/05/2018	41.9	21.6	2	1	1	0.5	0.2	Dry	1011	0.0838	0.0432	CS2	CS2							
LF-BH07				13/06/2018	61.2	23.6	0.1	1	2	0.4	0.1		991	0.0612	0.0236	CS2	CS2							
LF-BH07				11/07/2018	46.5	22.5	0.3	1	3	0.1	<0.1		1008	0.0465	0.0225	CS2	CS2							
LF-BH08G	Area A - Landfill	Waste	1.0-6.0	06/02/2017	6.3	20.9	<0.1		0		<0.1	5.7	999	0.0063	0.0209	CS2	CS2	62.1	53.1	0.2	0.1242	0.1062	CS2	CS2
LF-BH08G				15/03/2017	62.1	20.2	<0.1	4	1		<0.1	Dry	1014	0.0621	0.0202	CS2	CS2							
LF-BH08G				06/04/2017	56.4	19.4	<0.1	0	4		0.2	Dry	1010	0.1128	0.0388	CS2	CS2							
LF-BH08G				16/05/2017	18.8	53.1	1		2		<0.1	Dry	1006	0.0188	0.0531	CS2	CS2							
LF-BH08G				01/04/2018	58.9	23.1	0.1	1	2	0.1	0.1	Dry	996	0.0589	0.0231	CS2	CS2							
LF-BH08G				01/05/2018	49	21.9	<0.1	1	1	0.4	0.1	Dry	1011	0.049	0.0219	CS2	CS2							
LF-BH08G				13/06/2018	61.1	23.8	0.1	3	1	0.4	0.1		993	0.0611	0.0238	CS2	CS2							
LF-BH08G				11/07/2018	58.7	23.2	0.1	4	1	0	0.1		1008	0.0587	0.0232	CS2	CS2							
LF-BH08G				06/08/2018	52.7	22.5	0.1	5	2	-	0.1		1020	0.0527	0.0225	CS2	CS2							
LF-BH08G				28/09/2018	0.3	0.1	21.2	0	0		<0.1		1015	0.0003	0.0001	CS1	CS1							
LF-BH08G				25/10/2018	44.9	26.7	<0.1	3	1		<0.1		1006	0.0449	0.0267	CS2	CS2							
LF-BH08G				19/11/2018	45.8	27.6	<0.1	2	1		<0.1		1010	0.0458	0.0276	CS2	CS2							
LF-BH08G				07/12/2018	47.6	26.1	0.1	6	0		<0.1		984	0.0476	0.0261	CS2	CS2							
LF-BH08G				23/01/2019	0.3	0.3	21.9	0	0		<0.1		983	0.0003	0.0003	CS1	CS1							
LF-BH08G				18/02/2019	56.1	29.9	<0.1	9	1		<0.1		999	0.0561	0.0299	CS2	CS2							
LF-BH08G				18/03/2019	40.3	20	1.9	0	1		<0.1		1005	0.0403	0.02	CS2	CS2							
LF-BH10GA	Area A - Landfill	Waste	1.0-5.0	06/02/2017	<0.1	1.9	19.7	0	0		<0.1	Dry	999	0.0001	0.0019	CS1	CS1	40.5	7.6	0.1	0.0405	0.0076	CS2	CS2
LF-BH10GA				15/03/2017	<0.1	3	16.3	0	0		<0.1	Dry	1015	0.0001	0.003	CS1	CS1							

Appendix F

F4 Gas Monitoring Data - Long Term Monitoring

Well ID	Location	Strata	Response zone	Date	Peak CH4 (%v/v)	Peak CO2 (%v/v)	Min O2 (%v/v)	Peak H2S (ppm)	Peak CO (ppm)	Peak PID (ppm)	Peak Flow (l/hr)	Water Level (mbgl)	Atmos Pressure (mBar)	Gas Screening Value - GSV (l/hr)		Characteristic Situation		Maximum (Worst Case)			Worst Case GSV		Worst Case CS	
														CH4	CO2	CH4	CO2	CH4 (%)	CO2 (%)	Flow (l/hr)	CH4	CO2	CH4	CO2
LF-BH10GA				06/04/2017	<0.1	3.9	15.9	0	0		<0.1	Dry		0.0001	0.0039	CS1	CS1							
LF0BH10G				17/05/2017	<0.1	4.6	16.9	1	0		<0.1	Dry	999	0.0001	0.0046	CS1	CS1							
LF-BH10GA				01/04/2018	<0.1	5	14.3	0	2	0	<0.1	4.71	996	0.0001	0.005	CS1	CS1							
LF-BH10GA				01/05/2018	40.5	3.7	12.3	0	0	0	<0.1	4.9	1010	0.0405	0.0037	CS2	CS1							
LF-BH10GA				15/06/2018	<0.1	7.1	14.3	1	0	0.1	<0.1		1002	0.0001	0.0071	CS1	CS2							
LF-BH10GA				12/07/2018	0.1	6.2	15.6	1	0	0.5	0.1		1008	0.0001	0.0062	CS1	CS2							
LF-BH10GA				10/08/2018	<0.1	7.6	14.1	2	0	0	<0.1		1002	0.0001	0.0076	CS1	CS2							
LF-BH10GA				28/09/2018	0.3	0.6	20.7	0	0		<0.1		1016	0.0003	0.0006	CS1	CS1							
LF-BH10GA				25/10/2018	<0.1	2.3	19.1	1	0		<0.1		1008	0.0001	0.0023	CS1	CS1							
LF-BH10GA				19/11/2018	<0.1	0.6	20.8	0	0		<0.1		1011	0.0001	0.0006	CS1	CS1							
LF-BH10GA				07/12/2018	0.1	3.5	17.8	0	0		<0.1		983	0.0001	0.0035	CS1	CS1							
LF-BH10GA				23/01/2019	<0.1	1.1	20.8	0	0		<0.1		983	0.0001	0.0011	CS1	CS1							
LF-BH10GA				18/02/2019	<0.1	2.1	19.5	0	0		<0.1		1000	0.0001	0.0021	CS1	CS1							
LF-BH10GA				18/03/2019	<0.1	0.3	20.6	0	0		<0.1		1004	0.0001	0.0003	CS1	CS1							
LF-BH12A	Area A - Landfill	Waste	1.0-10.0	06/02/2017	4.3	11.8	<0.1	0	0		<0.1	9.38	999	0.0043	0.0118	CS2	CS2	4.3	12.1	0.1	0.0043	0.0121	CS2	CS2
LF-BH12A				15/03/2017	0.1	9.9	1	0	0		0.1	9.25	1014	0.0001	0.0099	CS1	CS2							
LF-BH12A				06/04/2017	<0.1	10.9	2.8	0	1		<0.1	9.65	1012	0.0001	0.0109	CS1	CS2							
LF-BH12A				17/05/2017	<0.1	10.8	5.9	0	0		<0.1	9.47	997	0.0001	0.0108	CS1	CS2							
LF-BH12A				01/04/2018	0.4	9.8	6.9	0	2	1.8	<0.1	9.6	996	0.0004	0.0098	CS1	CS2							
LF-BH12A				01/05/2018	4.4	9.4	15.5	1	2	0.1	<0.1	9.51	1011	0.0044	0.0094	CS1	CS2							
LF-BH12A				14/06/2018	<0.1	0.2	20.5	0	1	0	<0.1		996	0.0001	0.0002	CS1	CS1							
LF-BH12A				12/07/2018	<0.1	2	18.7	1	0	0.6	0.1		1009	0.0001	0.002	CS1	CS1							
LF-BH12A				10/08/2018	<0.1	5.7	15.1	0	1	0	0.1		1001	0.0001	0.0057	CS1	CS2							
LF-BH12A				28/09/2018	0.2	0.1	21	0	0		<0.1		1016	0.0002	0.0001	CS1	CS1							
LF-BH12A				25/10/2018	<0.1	0.4	20.9	0	0		<0.1		1007	0.0001	0.0004	CS1	CS1							
LF-BH12A				19/11/2018	<0.1	7.7	21.5	0	1		<0.1		1011	0.0001	0.0077	CS1	CS2							
LF-BH12A				07/12/2018	6.2	20.8	0.1	0	0		<0.1		983	0.0062	0.0208	CS1	CS2							
LF-BH12A				23/01/2019	1	12.1	14	0	0		<0.1		983	0.001	0.0121	CS1	CS2							
LF-BH12A				18/02/2019	3.8	11.5	11.2	0	0		<0.1		999	0.0038	0.0115	CS1	CS2							
LF-BH12A				18/03/2019	0.2	4.4	18.9	0	0		<0.1		1006	0.0002	0.0044	CS1	CS1							
LF-BH02	Area A - Landfill	Chalk	30.0-58.0	07/02/2017	<0.1	0.1	20.7	0	0		<0.1	41.26	993	0.0001	0.0001	CS1	CS1	0.1	5.2	0.2	0.0002	0.0104	CS1	CS1
LF-BH02				16/03/2017	<0.1	5.2	16.9	0	0		0.2	41.36	1005	0.0002	0.0104	CS1	CS1							
LF-BH02				06/04/2017	<0.1	1.4	20.4	0	0		0.1	41.61	1011	0.0001	0.0014	CS1	CS1							
LF-BH02				17/05/2017	<0.1	4.9	15.3	0	0		0.2	43.07	998	0.0002	0.0098	CS1	CS1							
LF-BH03	Area A - Landfill	Chalk	25.0-55.0	06/02/2017	22.5	2.2	<0.1	0	3		<0.1	39.51	999	0.0225	0.0022	CS1	CS1	22.5	11.3	0.2	0.045	0.0226	CS1	CS1
LF-BH03				16/03/2017	0.9	11.3	0.3	0	1		0.1	39.61	1003	0.0009	0.0113	CS1	CS1							
LF-BH03				06/04/2017	0.9	0.3	19.8	0	0		<0.1	39.82	1019	0.0009	0.0003	CS1	CS1							
LF-BH03				16/05/2017	0.7	6	10.2	1	2		0.2	40.96	1006	0.0014	0.012	CS1	CS1							
LF-BH04	Area A - Landfill	Chalk	25.0-59.0	07/02/2017	1.9	3.2	17.5	0	4		-0.2	43.56	993	-0.0038	-0.0064	CS2	CS1	8.7	23.5	-0.5	-0.0435	-0.1175	CS2	CS2
LF-BH04				16/03/2017	8.7	23.5	0.1	0	3		<0.1	43.69	1004	0.0087	0.0235	CS2	CS2							
LF-BH04				06/04/2017	8.7	19.1	<0.1	0	5		-0.5	43.96	1014	-0.0435	-0.0955	CS2	CS2							
LF-BH04				16/05/2017	1.6	5.7	15.6	1	1		-0.1	45.21	1005	-0.0016	-0.0057	CS2	CS2							
LF-BH04G	Area A - Landfill	Waste	1.0-6.0	07/02/2017	28.2	15.1	3.2	0	0		<0.1	5.97	993	0.0282	0.0151	CS2	CS2	28.2	15.1	0.3	0.0846	0.0453	CS2	CS2
LF-BH04G				15/03/2017	18.9	9.6	2.4	0	3		0.3	5.92	1015	0.0567	0.0288	CS2	CS2							
LF-BH04G				06/04/2017	24.5	9.6	3.2	0	1		-0.1	5.92	1014	-0.0245	-0.0096	CS2	CS2							
LF-BH04G				16/05/2017	28	10.5	0.2	0	5		0.2	5.9	1004	0.056	0.021	CS2	CS2							
LF-BH09	Area A - Landfill	Waste	1.0-13.0	06/02/2017	29.2	14.6	5.1	0	0		<0.1	6.93	999	0.0292	0.0146	CS2	CS2	43	15.9	0.1	0.043	0.0159	CS2	CS2
LF-BH09				15/03/2017	40.1	14.6	<0.1	3	1		<0.1	Dry	1013	0.0401	0.0146	CS2	CS2							
LF-BH09				06/04/2017	37.1	12.8	2.8	2	1		0.1	Dry	1011	0.0371	0.0128	CS2	CS2							
LF-BH09				17/05/2017	43	15.9	<0.1	0	1		<0.1	Dry	997	0.043	0.0159	CS2	CS2							
LF-BH08	Area A - Landfill	Chalk	25.0-57.0	06/02/2017	18.8	20.9	5		0		-0.2	43.19	999	-0.0376	-0.0418	CS2	CS2	18.8	20.9	0.2	0.0376	0.0418	CS2	CS2
LF-BH08				15/03/2017	2.3	11.8	3.8	0	1		0.2	43.27	1014	0.0046	0.0236	CS2	CS2							
LF-BH08				06/04/2017	2.9	17.7	1.7	0	1		-0.1	43.43	1010	-0.0029	-0.0177	CS2	CS2							
LF-BH08				16/05/2017	3.1	16.9	0.3	2	1		<0.1	44.47	1006	0.0031	0.0169	CS2	CS2							

Appendix F

F5 Gas Monitoring Data - Hangar 24

Well ID	Location	Response Zone	Strata	Date	Peak CH4 (%v/v)	Peak CO2 (%v/v)	Min O2 (%v/v)	Peak H2S (ppm)	Peak CO (ppm)	Peak PID (ppm)	Peak Flow (l/hr)	Water Level (mbgl)	Atmos Pressure (mBar)	Gas Screening Value - GSV (l/hr)		Characteristic Situation		Maximum (Worst Case)			Worst Case GSV		Worst Case CS	
														CH4	CO2	CH4	CO2	CH4 (%)	CO2 (%)	Flow (l/hr)	CH4	CO2	CH4	CO2
AEC17-H24-BH101	Rest Airport	0.3-0.9	MG	24/10/2017	<0.1	1.7	14.1	<1	<1	1	<0.1		1002	0.0001	0.0017	CS1	CS1	<0.1	2.9	6	0.006	0.174	CS1	CS2
				09/11/2017	<0.1	1.6	12.6	<1	<1	1	2.9	0.98	1002	0.0029	0.0464	CS1	CS1							
				22/11/2017	<0.1	2.9	9.8	<1	<1	1	6	0.98	978	0.006	0.174	CS1	CS2							
				04/12/2017	<0.1	0.9	19.1	<1	<1	1	<0.1	0.985	1012	0.0001	0.0009	CS1	CS1							
				19/12/2017	<0.1	0.9	8.9	<1	<1	1.0	0.5	0.960	1014	0.0005	0.0045	CS1	CS1							
				03/01/2018	<0.1	1.5	10.2	<1	<1	1.0	4.9	0.975	976	0.0049	0.0735	CS1	CS2							
AEC17-H24-BH102	Rest Airport	0.3-1.0	MG	24/10/2017	<0.1	0.4	19.8	<1	<1	0.9	<0.1	0.68	1002					<0.1	0.6	0.1	0.0001	0.0006	CS1	CS1
				09/11/2017	<0.1	0.4	19.5	<1	<1	1	<0.1	0.74	1002											
				22/11/2017	<0.1	0.6	18.8	<1	<1	1	<0.1	0.78	979	Response zone <0.5m do not use for risk assessment										
				04/12/2017	<0.1	0.6	20.1	<1	<1	1	<0.1	0.885	1012	0.0001	0.0006	CS1	CS1							
				19/12/2017	<0.1	0.7	15.3	<1	<1	1.0	<0.1	0.550	1013											
				03/01/2018	<0.1	0.7	19.1	<1	<1	1.0	2.0	0.529	977	Response zone <0.5m do not use for risk assessment										
AEC17-H24-WS105	Rest Airport	0.3-0.8	MG	24/10/2017	<0.1	0.2	20.2	<1	<1	0.9	<0.1	0.435	1002											
				09/11/2017	<0.1	0.4	19.1	<1	<1	1	<0.1	0.41	1002											
				22/11/2017	<0.1	<0.1	18.8	<1	<1	1	<0.1	0.4	978											
				04/12/2017	<0.1	<0.1	20.3	<1	<1	1	<0.1	0.41	1012											
				19/12/2017	<0.1	0.1	20.2	<1	<1	1.0	<0.1	0.340	1013											
				03/01/2018	<0.1	0.3	19.6	<1	<1	1.0	5.4	0.370	977	Response zone <0.5m do not use for risk assessment										

Appendix F

F6 Gas Monitoring Data - MPT 2016 Ground Investigation

Well ID	Location	Response Zone	Strata	Date	Peak CH4 (%v/v)	Peak CO2 (%v/v)	Min O2 (%v/v)	Peak H2S (ppm)	Peak CO (ppm)	Peak PID (ppm)	Peak Flow (l/hr)	Water Level (mbgl)	Atmos Pressure (mBar)	(l/hr)		Characteristic Situation		Maximum (Worst Case)			Worst Case GSV		Worst Case CS	
														CH4	CO2	CH4	CO2	CH4 (%)	CO2 (%)	Flow (l/hr)	CH4	CO2	CH4	CO2
ARP16-MTP-BH101	Off Site	5.0-37.9	Chalk	11/01/2017	<0.1	2.2	5	0	0	1	<0.1	9.67	992	0.0001	0.0022	CS1	CS1	0.1	2.8	0.1	0.0001	0.0028	CS1	CS1
				25/01/2017	0.1	2.7	6.2	0	0		<0.1	12.62	1013	0.0001	0.0027	CS1	CS1							
				01/02/2017	<0.1	1.6	0.7	0	0	1	<0.1	12.84	991	0.0001	0.0016	CS1	CS1							
				08/02/2017	<0.1	0.1	20.8	0	0		<0.1	12.56	1010	0.0001	0.0001	CS1	CS1							
				15/02/2017	<0.1	1.6	8.4	0	0		<0.1	12.550	1011	0.0001	0.0016	CS1	CS1							
				22/02/2017	<0.1	2.8	0.8	0.0	0.0		0.1	12.600	992	0.0001	0.0028	CS1	CS1							
				06/03/2017	<0.1	0.1	20.6	1.0	1.0		<0.1	12.520	990	0.0001	0.0001	CS1	CS1							
ARP16-MTP-BH101	Off Site	1.0-2.5	Made ground	11/01/2017	<0.1	1.8	2.1	0	0	1	<0.1	Dry	992	0.0001	0.0018	CS1	CS1	<0.1	3	0.1	0.0001	0.003	CS1	CS1
				19/01/2017	<0.1	0.4	0.9	0	0		<0.1	Dry	1023	0.0001	0.0004	CS1	CS1							
				25/01/2017	<0.1	2.1	1	0	0		0.1	Dry	1015	0.0001	0.0021	CS1	CS1							
				01/02/2017	<0.1	3	0.5	0	0	1	<0.1	Dry	991	0.0001	0.003	CS1	CS1							
				08/02/2017	<0.1	0.4	9.2	0	0		<0.1	Dry	1010	0.0001	0.0004	CS1	CS1							
				15/02/2017	0.1	0.1	16.7	0	0		<0.1	Dry	1011	0.0001	0.0001	CS1	CS1							
				22/02/2017	<0.1	2.2	1	0	0		<0.1	Dry	992	0.0001	0.0022	CS1	CS1							
				06/03/2017	<0.1	1.5	6.2	0	0		0.1	Dry	990	0.0001	0.0015	CS1	CS1							
ARP16-MTP-BH102	Off Site	5.0-25.0	Chalk	11/01/2017	<0.1	0.5	19	11	0	1	<0.1	5.38	995					-	-	-	-	-	-	-
				25/01/2017	<0.1	0.1	20.8	0	0		<0.1	5.19	1015											
				01/02/2017	<0.1	<0.1	20.3	0	3	1	<0.1	5.14	991											
				08/02/2017	<0.1	0.1	20.4	0	10		<0.1	5.14	1011											
				15/02/2017	<0.1	0.1	20.6	0	5		<0.1	5.15	1014											
				22/02/2017	<0.1	0.1	19.7	0	10		<0.1	5.15	993											
				06/03/2017	<0.1	0.1	20.6	0	13		-0.1	5.13	989	<0.5m response zone, do not use data for risk assessment										
ARP16-MTP-BH102	Off Site	2.5-4.0	Made ground	11/01/2017	<0.1	0.2	20.1	0	0	1	<0.1	Dry	995	0.0001	0.0002	CS1	CS1	<0.1	0.7	0.1	0.0001	0.0007	CS1	CS1
				25/01/2017	<0.1	0.1	20.7	0	0		-0.1	Dry	1015	-0.0001	-0.0001	CS1	CS1							
				01/02/2017	<0.1	0.1	20.1	0	0	1	<0.1	Dry	992	0.0001	0.0001	CS1	CS1							
				08/02/2017	<0.1	0.1	20.8	0	6		<0.1	Dry	1011	0.0001	0.0001	CS1	CS1							
				15/02/2017	<0.1	0.1	20.3	0	5		<0.1	Dry	1014	0.0001	0.0001	CS1	CS1							
				22/02/2017	<0.1	0.7	17	0	2		-0.1	Dry	993	-0.0001	-0.0007	CS1	CS1							
				06/03/2017	<0.1	0.6	17.6	0	10		<0.1	Dry	989	0.0001	0.0006	CS1	CS1							
ARP16-MTP-BH105	Off Site	20.0-51.5	Chalk	19/01/2017	<0.1	1.5	19.8	0	-1	1	<0.1	39.28	1017	0.0001	0.0015	CS1	CS1	<0.1	2.7	0.1	0.0001	0.0027	CS1	CS1
				08/02/2017	<0.1	1.9	19.9	0	0		<0.1	39.13	1010	0.0001	0.0019	CS1	CS1							
				15/02/2017	<0.1	1.8	20	0	0		<0.1	39.15	1010	0.0001	0.0018	CS1	CS1							
				22/02/2017	<0.1	2.7	19.8	0	0		<0.1	39.14	990	0.0001	0.0027	CS1	CS1							
				06/03/2017	<0.1	1.4	20	0	1		0.1	39.11	981	0.0001	0.0014	CS1	CS1							
ARP16-MTP-BH116	Rest Airport	9.0-45.0	Chalk	11/01/2017	<0.1	0.1	20.4	0	0	1	-0.5	Dry	989	-0.0005	-0.0005	CS1	CS1	<0.1	0.7	-0.5	-0.0005	-0.0035	CS1	CS1
				25/01/2017	<0.1	0.1	20.4	0	0		<0.1	42.66	1009	0.0001	0.0001	CS1	CS1							
				01/02/2017	<0.1	0.7	19.6	0	0		-0.2		988	-0.0002	-0.0014	CS1	CS1							
				08/02/2017	<0.1	0.1	21	0	0		0.1		1007	0.0001	0.0001	CS1	CS1							
				15/02/2017	<0.1	0.1	20.8	0	0		-0.2		1008	-0.0002	-0.0002	CS1	CS1							
				22/02/2017	<0.1	0.1	21.2	0	0		<0.1		989	0.0001	0.0001	CS1	CS1							
				06/03/2017	<0.1	0.1	20.6	0	0		0.2		982	0.0002	0.0002	CS1	CS1							
ARP16-MTP-BH116	Rest Airport	0.45-0.9	Made ground	11/01/2017	<0.1	0.1	20.4	0	0	1	<0.1	Dry	991	0.0001	0.0001	CS1	CS1	<0.1	0.1	0.2	0.0002	0.0002	CS1	CS1
				19/01/2017	<0.1	0.1	18	0	-4	1	<0.1	Dry	1017	0.0001	0.0001	CS1	CS1							
				25/01/2017	<0.1	0.1	20.2	0	0		<0.1	Dry	1009	0.0001	0.0001	CS1	CS1							
				08/02/2017	<0.1	0.1	20.8	0	0		<0.1	Dry	1007	0.0001	0.0001	CS1	CS1							
				15/02/2017	<0.1	0.1	20.4	0	0		<0.1	Dry	1008	0.0001	0.0001	CS1	CS1							
				22/02/2017	<0.1	0.1	17.8	0	0		<0.1	Dry	989	0.0001	0.0001	CS1	CS1							
				06/03/2017	<0.1	0.1	19.5	0	0		0.2	Dry	982	0.0002	0.0002	CS1	CS1							
ARP16-MTP-BH117	Rest Airport	1.5-2.5	Made ground	11/01/2017	<0.1	0.7	19	0	0		<0.1	Dry	989	0.0001	0.0007	CS1	CS1	<0.1	1.8	0.2	0.0002	0.0036	CS1	CS1
				25/01/2017	<0.1	0.3	20.9	0	0		0.1	Dry	1009	0.0001	0.0003	CS1	CS1							
				01/02/2017	<0.1	1.5	16.9	0	0		0.1	Dry	988	0.0001	0.0015	CS1	CS1							
				08/02/2017	<0.1	0.2	20.7	0	0		0.1	Dry	1007	0.0001	0.0002	CS1	CS1							
				15/02/2017	<0.1	0.4	20.7	0	0		0.2	Dry	1008	0.0002	0.0008	CS1	CS1							
				22/02/2017	<0.1	1.8	15.2	0	0		<0.1	Dry	989	0.0001	0.0018	CS1	CS1							
				06/03/2017	<0.1	0.2	20.5	0	0		0.1	Dry	982	0.0001	0.0002	CS1	CS1							

Appendix F

F7 Gas Monitoring Data - Century Park 2017 Ground Investigation

Well ID	Location	Response Zone	Strata	Date	Peak CH4 (%v/v)	Peak CO2 (%v/v)	Min O2 (%v/v)	Peak H2S (ppm)	Peak CO (ppm)	Peak PID (ppm)	Peak Flow (l/hr)	Water Level (mbgl)	Atmos Pressure (mBar)	Gas Screening Value - GSV (l/hr)		Characteristic Situation		Maximum (Worst Case)			Worst Case GSV		Worst Case CS	
														CH4	CO2	CH4	CO2	CH4 (%)	CO2 (%)	Flow (l/hr)	CH4	CO2	CH4	CO2
BH11	Area B - WVP	29.0-39.0	Chalk	10/11/2016	<0.1	1.6	15.5	0	0		<0.1	Dry	988	0.0001	0.0016	CS1	CS1	<0.1	2	0.1	0.0001	0.002	CS1	CS1
				16/11/2016	<0.1	2	14.7	0	0		<0.1	Dry	997	0.0001	0.002	CS1	CS1							
				22/11/2016	<0.1	0.1	20.7	0	0		<0.1	Dry	982	0.0001	0.0001	CS1	CS1							
				01/12/2016	<0.1	1.3	17	0	0		<0.1	Dry	1011	0.0001	0.0013	CS1	CS1							
				06/12/2016	<0.1	1.0	18.3	0	0		<0.1	Dry	1009	0.0001	0.001	CS1	CS1							
BH12	Area B - WVP	15.0-41.1	Chalk	10/11/2016	<0.1	1.9	14.6	0.0	0.0		<0.1	28.79	989	0.0001	0.0019	CS1	CS1	<0.1	3.7	0.1	0.0001	0.0037	CS1	CS1
				16/11/2016	<0.1	0.6	19.8	0	0		0.1	28.35	997	0.0001	0.0006	CS1	CS1							
				22/11/2016	<0.1	2.5	16	0	0		<0.1	28.36	987	0.0001	0.0025	CS1	CS1							
				30/11/2016	<0.1	0.4	20.8	0	0		<0.1	27.30	1017	0.0001	0.0004	CS1	CS1							
				06/12/2016	<0.1	3.7	13.6	0	0		<0.1	28.13	1011	0.0001	0.0037	CS1	CS1							
BH24	Area B - WVP	20.0-42.58	Chalk	10/11/2016	<0.1	1.3	19.9	0	1		<0.1	29.91	989	0.0001	0.0013	CS1	CS1	0.1	2.5	0.1	0.0001	0.0025	CS1	CS1
				16/11/2016	<0.1	0.6	21.0	0	0		<0.1	29.54	998	0.0001	0.0006	CS1	CS1							
				22/11/2016	0.1	2.5	19.5	0	0		<0.1	29.52	1002	0.0001	0.0025	CS1	CS1							
				30/11/2016	<0.1	0.2	20.8	0	0		<0.1	29.21	1017	0.0001	0.0002	CS1	CS1							
				06/12/2016	<0.1	1.8	19.3	0	0		<0.1	29.44	1011	0.0001	0.0018	CS1	CS1							
BH27	Area B - WVP	30.7-53.7	Chalk	10/11/2016	<0.1	1.4	19.1	0	1		<0.1	41.69	987	0.0001	0.0014	CS1	CS1	0.1	1.4	0.6	0.0006	0.0084	CS1	CS1
				16/11/2016	<0.1	0.3	20.7	0	0		0.6	41.75	998	0.0006	0.0018	CS1	CS1							
				22/11/2016	0.1	0.2	20.5	0	0		<0.1	41.52	981	0.0001	0.0002	CS1	CS1							
				30/11/2016	<0.1	0.2	20.1		0		0.1	41.70	1019	0.0001	0.0002	CS1	CS1							
				06/12/2016	<0.1	0.3	20.8	0	0		0.1	42.05	1009	0.0001	0.0003	CS1	CS1							
BH29	Area B - WVP	20.0-44.3	Chalk	10/11/2016	<0.1	0.8	19.6	0	5		<0.1	33.64	989	0.0001	0.0008	CS1	CS1	0.1	1.8	0.1	0.0001	0.0018	CS1	CS1
				16/11/2016	<0.1	0.7	20.5	0	0		-0.1	33.37	998	-0.0001	-0.0007	CS1	CS1							
				22/11/2016	<0.1	1.7	19.5	0	0		0.1	33.30	984	0.0001	0.0017	CS1	CS1							
				30/11/2016	0.1	1.8	16.9	0	0		<0.1	33.21	1018	0.0001	0.0018	CS1	CS1							
				06/12/2016	<0.1	1.3	19.9	0	1		<0.1	33.52	1011	0.0001	0.0013	CS1	CS1							
BH32	Area B - WVP	20.3-41.0	Chalk	10/11/2016	<0.1	1.0	18.8	0	0		<0.1	27.46	989	0.0001	0.001	CS1	CS1	0.1	1.2	0.1	0.0001	0.0012	CS1	CS1
				16/11/2016	<0.1	0.2	21.1	0	0		<0.1	27.34	998	0.0001	0.0002	CS1	CS1							
				23/11/2016	0.1	1.2	18.8	0	0		<0.1	27.05	1002	0.0001	0.0012	CS1	CS1							
				30/11/2016	<0.1	0.7	19.4	0	0		0.1	26.60	1017	0.0001	0.0007	CS1	CS1							
				06/12/2016	<0.1	0.9	18.5	0	0		<0.1	26.44	1011	0.0001	0.0009	CS1	CS1							
BH50	Area B - WVP	9.5-23.5	Chalk	10/11/2016	<0.1	0.8	20.2	0	7		<0.1	16.19	987	0.0001	0.0008	CS1	CS1	0.2	1.3	0.1	0.0002	0.0013	CS1	CS1
				16/11/2016	<0.1	0.5	20.9	0	0		<0.1	16.42	1001	0.0001	0.0005	CS1	CS1							
				23/11/2016	<0.1	1.3	19.6	0	0		0.1	16.17	1003	0.0001	0.0013	CS1	CS1							
				01/12/2016	0.2	0.9	20.7	0	0		<0.1	16.07	1017	0.0002	0.0009	CS1	CS1							
				06/12/2016	<0.1	1.1	19.7	0	0		<0.1	16.18	1011	0.0001	0.0011	CS1	CS1							
BH51	Area B - WVP	15.0-32.0	Chalk	10/11/2016	<0.1	1.1	19.3	0	4		-0.1	21.28	987	-0.0001	-0.0011	CS1	CS1	0.1	1.7	0.1	0.0001	0.0017	CS1	CS1
				16/11/2016	<0.1	0.1	21.4	0	0		0.1	21.08	996	0.0001	0.0001	CS1	CS1							
				22/11/2016	<0.1	1.7	18.9	0	0		0.1	21.15	985	0.0001	0.0017	CS1	CS1							
				30/11/2016	0.1	<0.1	20.3	0	0		<0.1	21.10	1019	0.0001	0.0001	CS1	CS1							
				06/12/2016	<0.1	1.2	19.8	0	0		<0.1	21.28	1009	0.0001	0.0012	CS1	CS1							
BH55	Area B - WVP	29.0-52.7	Chalk	10/11/2016	<0.1	0.3	20.2	0	0		<0.1	38.55	989	0.0001	0.0003	CS1	CS1	0.1	2.2	0.1	0.0001	0.0022	CS1	CS1
				16/11/2016	<0.1	2.2	16.8	0	0		0.1	38.10	997	0.0001	0.0022	CS1	CS1							
				22/11/2016	<0.1	0.1	20.9	0	0		-0.1	37.92	984	-0.0001	-0.0001	CS1	CS1							
				30/11/2016	0.1	0.2	20.2	0	0		<0.1	37.54	1016	0.0001	0.0002	CS1	CS1							
				06/12/2016	<0.1	0.1	20.8	0	0		<0.1	38.16	1011	0.0001	0.0001	CS1	CS1							

Appendix F

F8 Gas Monitoring Data - Landfill 2017 Ground Investigation

Well ID	Location	Response Zone	Strata	Date	Peak CH4 (%v/v)	Peak CO2 (%v/v)	Min O2 (%v/v)	Peak H2S (ppm)	Peak CO (ppm)	Peak PID (ppm)	Peak Flow (l/hr)	Water Level (mbgl)	Atmos Pressure (mBar)	(l/hr)		Characteristic Situation		Maximum (Worst Case)			Worst Case GSV		Worst Case CS	
														CH4	CO2	CH4	CO2	CH4 (%)	CO2 (%)	Flow (l/hr)	CH4	CO2	CH4	CO2
LF-BH01	Area B - WVP	27.5-57.5	Chalk	10/11/2016	<0.1	5	9.1	0	1		<0.1	38.15	989	0.0001	0.005	CS1	CS1	0.1	5.4	0.1	0.0001	0.0054	CS1	CS1
				16/11/2016	<0.1	5.4	10.4	1	0		0.1	39.73	997	0.0001	0.0054	CS1	CS1							
				22/11/2016	<0.1	2.8	8.9	0	0		0.1	37.14	982	0.0001	0.0028	CS1	CS1							
				01/12/2016	0.1	5.4	9.6	0	0		<0.1	39.24	1013	0.0001	0.0054	CS1	CS1							
				06/12/2016	<0.1	0.1	20.9	0	0		<0.1	39.950	1009	0.0001	0.0001	CS1	CS1							
LF-BH05	Area D - LLAOL Compound	25.0-58.0	Chalk	07/02/2017	0.4	1.1	15.3	0.0	2.0		<0.1	33.17	994	0.0004	0.0011	CS1	CS1	0.4	1.1	0.2	0.0008	0.0022	CS1	CS1
				15/03/2017	<0.1	<0.1	20.8	0	0		-0.1	33.6	1015	-0.0001	-0.0001	CS1	CS1							
				06/04/2017	<0.1	0.1	20.8	0	0		0.2	34.67	1012	0.0002	0.0002	CS1	CS1							
				16/05/2017	<0.1	0.1	20.9	0	1		-0.1	38.40	1005	-0.0001	-0.0001	CS1	CS1							
LF-BH10	Area A - Landfill	25.0-56.0	Chalk	06/02/2017	<0.1	0.4	20.8	0	0		0.1	29.63	999	0.0001	0.0004	CS1	CS1	<0.1	2.6	0.1	0.0001	0.0026	CS1	CS1
				15/03/2017	<0.1	1.7	17.9	0	0		<0.1	29.78	1015	0.0001	0.0017	CS1	CS1							
				06/04/2017	<0.1	0.4	20.9	0	0		<0.1	30.00	1013	0.0001	0.0004	CS1	CS1							
				17/05/2017	<0.1	2.6	17.9	0	0		<0.1	31.04	999	0.0001	0.0026	CS1	CS1							
LF-BH13	Area B - WVP	20.0-35.0	Chalk	10/11/2016	0.2	1.3	17.7	0	0		<0.1	21.91	989	0.0002	0.0013	CS1	CS1	0.2	1.7	0.1	0.0002	0.0017	CS1	CS1
				16/11/2016	<0.1	1.3	16.0	0	0		0.1	19.59	997	Response zone flooded											
				22/11/2016	<0.1	1.7	13.7	0	0		<0.1	21.57	987	0.0001	0.0017	CS1	CS1							
				30/11/2016	<0.1	0.1	20.7	0	0		<0.1	21.04	1019	0.0001	0.0001	CS1	CS1							
				06/12/2016	<0.1	0.4	19.9	0	0		0.1	21.40	1011	0.0001	0.0004	CS1	CS1							

Appendix F

F9 Gas Monitoring Data - Access Road Ground Investigation

Well ID	Location	Response Zone	Strata	Date	Peak CH4 (%v/v)	Peak CO2 (%v/v)	Min O2 (%v/v)	Peak H2S (ppm)	Peak CO (ppm)	Peak PID (ppm)	Peak Flow (l/hr)	Water Level (mbgl)	Atmos Pressure (mBar)	(l/hr)		Characteristic Situation		Maximum (Worst Case)			Worst Case GSV		Worst Case CS	
														CH4	CO2	CH4	CO2	CH4 (%)	CO2 (%)	Flow (l/hr)	CH4	CO2	CH4	CO2
PFCP31	Off Site	2.0-10.0	Chalk	11/11/2016	<0.1	0.1	20.8	0	0		-0.1	Dry	1007	-0.0001	-0.0001	CS1	CS1	<0.1	0.6	0.1	0.0001	0.0006	CS1	CS1
				16/11/2016	<0.1	0.4	20.2	0	0		-0.1	9.6	999	-0.0001	-0.0004	CS1	CS1							
				22/11/2016	<0.1	0.6	20.6	0	0		<0.1	9.59	984	0.0001	0.0006	CS1	CS1							
PFCP33	Off Site	2.0-10.0	Chalk	11/11/2016	<0.1	0.2	20.8	0.0	0.0		0.2	9.64	1007	0.0002	0.0004	CS1	CS1	<0.1	0.3	0.2	0.0002	0.0006	CS1	CS1
				16/11/2016	<0.1	0.1	20.7	0	0		-0.1	Dry	999	-0.0001	-0.0001	CS1	CS1							
				22/11/2016	<0.1	0.3	20.2	0	0		-0.1	Dry	984	-0.0001	-0.0003	CS1	CS1							
PFCP36	Off Site	5.0-6.0	Chalk	10/11/2016	<0.1	6.2	16.2	0	1		0.2	Dry	987	0.0002	0.0124	CS1	CS1	<0.1	6.2	0.2	0.0002	0.0124	CS1	CS1
				16/11/2016	<0.1	2.7	18.2	0	1		0.2	Dry	996	0.0002	0.0054	CS1	CS1							
				22/11/2016	<0.1	0.1	20.8	0	0		<0.1	Dry	983	0.0001	0.0001	CS1	CS1							
PFCPRC02	Rest Airport	3.0-10.0	Chalk	10/11/2016	<0.1	1.5	19.1	1	3		0.2	Dry	986	0.0002	0.003	CS1	CS1	0.1	2.2	0.2	0.0001	0.0044	CS1	CS1
				16/11/2016	<0.1	2.2	18.6	0	0		0.2	Dry	996	0.0002	0.0044	CS1	CS1							
				22/11/2016	0.1	1.8	17.8	0	0		-0.1	Dry	982	-0.0001	-0.0018	CS1	CS1							
PFCPRC07	Rest Airport	2.0-10.0	Made ground/ Chalk	10/11/2016	<0.1	1.1	19.9	0	0		0.1	Dry		0.0001	0.0011	CS1	CS1	<0.1	1.2	0.2	0.0002	0.0024	CS1	CS1
				16/11/2016	<0.1	1.2	19.3	0	0		<0.1	Dry	996	0.0001	0.0012	CS1	CS1							
				22/11/2016	<0.1	0.6	18.6	0	0		0.2	Dry	983	0.0002	0.0012	CS1	CS1							
PFCPRC18	Off Site	3.0-15.0	Chalk	11/11/2016	<0.1	2.4	17.0	1	0		0.1	Dry	1003	0.0001	0.0024	CS1	CS1	<0.1	2.4	-0.2	-0.0002	-0.0048	CS1	CS1
				16/11/2016	<0.1	2.1	17.8	0	0		-0.1	Dry	995	-0.0001	-0.0021	CS1	CS1							
				22/11/2016	<0.1	2.7	18.1	0	0		-0.2	Dry	983	-0.0002	-0.0054	CS1	CS1							
PFCPRC24	Off Site	1.0-15.5	Made Ground	10/11/2016	<0.1	0.5	20.3	1	2		0.1	Dry	987	0.0001	0.0005	CS1	CS1	<0.1	0.5	-0.4	-0.0004	0.002	CS1	CS1
				16/11/2016	<0.1	0.4	20.8	0	0		-0.4	Dry	996	-0.0004	-0.0016	CS1	CS1							
				22/11/2016	<0.1	0.3	20.1	0	0		0.1	Dry	976	0.0001	0.0003	CS1	CS1							
PFCPRC25	Off SIte	1.5-17.0	Made Ground	10/11/2016	<0.1	4.0	9.2	0	1		<0.1	16.84	986	0.0001	0.004	CS1	CS1	<0.1	4.1	0.2	0.0002	0.0082	CS1	CS1
				16/11/2016	<0.1	4.1	12.5	0	0		0.2	16.85	994	0.0002	0.0082	CS1	CS1							
				22/11/2016	<0.1	3.9	12	0	1		0.1	16.75	976	0.0001	0.0039	CS1	CS1							
PFCPRC27	Off SIte	1.0-15.0	Made ground	16/11/2016	<0.1	0.3	20.8	0	0		-0.1	14.51	994	-0.0001	-0.0003	CS1	CS1	<0.1	0.3	-0.1	-0.0001	-0.0003	CS1	CS1
PFCPRC37	Area A - Landfill	12.5-22.5	Chalk	03/10/2016	26.8	15.3	0.2					Dry	1010					37.9	15.3	-1.5	-0.5685	-0.2295	CS2	CS2
				10/10/2016	24.1	13.8	1.4				0.8	Dry	1005	0.1928	0.1104	CS2	CS2							
				17/10/2016	33.4	14.7	0.7				<0.1	Dry	997	0.0334	0.0147	CS1	CS1							
				24/10/2016	31.4	14.3	0.9				<0.1	Dry	992	0.0314	0.0143	CS1	CS1							
				31/10/2016	25.2	13.5	1.9				<0.1	Dry	1008	0.0252	0.0135	CS1	CS1							
				07/11/2016	37.9	15.3	0.2				-1.5	Dry	987	-0.5685	-0.2295	CS2	CS2							
				10/11/2016	29.9	11.6	2.3	0	1		<0.1	Dry	987	0.0299	0.0116	CS1	CS1							
				16/11/2016	16.7	11.1	3.3	0	1		0.1	Dry	995	0.0167	0.0111	CS1	CS1							
				22/11/2016	11.5	13.0	4.0	0	0		-0.4	Dry	986	-0.046	-0.052	CS1	CS1							
PFCPRC38 (SP)	Area A - Landfill	3.0-13.0	Made Ground	03/10/2016	44.5	13.9	3.0					Dry	1012					48	16.9	-0.4	-0.1952	-0.0676	CS2	CS2
				10/10/2016	48.0	16.8	0.7				<0.1	11.56	1005	0.048	0.0168	CS2	CS2							
				17/10/2016	10.6	4.0	16.2				<0.1	Dry	998	0.0106	0.004	CS2	CS1							
				24/10/2016	11.5	4.4	15.8				<0.1	12.05	992	0.0115	0.0044	CS2	CS1							
				31/10/2016	47.2	16.9	0.4				-0.3	12.40	1008	-0.1416	-0.0507	CS2	CS2							
				07/11/2016	42.7	14.5	11.0				<0.1	12.64	994	0.0427	0.0145	CS2	CS2							
				10/11/2016	46.8	13.6	0.4	0	1		-0.1	12.60	988	-0.0468	-0.0136	CS2	CS2							
				16/11/2016	46.6	12.7	3.2	1	1		<0.1	11.80	996	0.0466	0.0127	CS2	CS2							
				22/11/2016	0.1	0.5	20.8	0	0		-0.4	11.28	985	-0.0004	-0.002	CS1	CS1							
PFCPRC39	Area A - Landfill	19.0-31.0	Landfill	03/10/2016	<0.1	0.1	20.6				-6.0	Dry	1011	-0.006	-0.006	CS1	CS1	46	19.5	-6	-2.76	-1.17	CS3	CS3
				10/10/2016	35.3	17.8	0.2				3.6	Dry	1005	1.2708	0.6408	CS3	CS2							
				17/10/2016	15.5	6.5	14.2				0.2	Dry	998	0.031	0.013	CS2	CS2							
				24/10/2016	<0.1	5.6	15.2				<0.1	Dry	991	0.0001	0.0056	CS1	CS2							
				31/10/2016	46.0	19.5	0.8				<0.1	Dry	1008	0.046	0.0195	CS2	CS2							
				07/11/2016	25.3	14.0	5.6				-1.1	Dry	993	-0.2783	-0.154	CS2	CS2							
				10/11/2016	42.0	17.1	0.8	0	2		<0.1	Dry	986	0.042	0.0171	CS2	CS2							
				16/11/2016	1.3	12.5	1.2	1	0		0.1	Dry	995	0.0013	0.0125	CS2	CS2							
				22/11/2016	<0.1	0.1	20.7	0	2		-0.4	Dry	985	-0.0004	-0.0004	CS1	CS1							
PFCRPC40 (SP)	Area A - Landfill	3.0-16.0	Landfill	03/10/2016	18.9	14.5	4.7				-4.6	Dry	1014	-0.8694	-0.667	CS3	CS2	29.7	24.2	-5.7	-1.6929	-1.3794	CS3	CS3
				10/10/2016	31.8	18.0	0.4				-2.9	Dry	1006	-0.9222	-0.522	CS3	CS2							
				17/10/2016	20.7	14.5	3.0				<0.1	Dry	996	0.0207	0.0145	CS2	CS2							
				24/10/2016	29.2	16.7	0.3				<0.1		991	0.0292	0.0167	CS2	CS2							
				31/10/2016	29.7	16.9	0.2				-5.7	Dry	1007	-1.6929	-0.9633	CS3	CS3							
				07/11/2016	27.6	16.4	0.1				<0.1	Dry	992	0.0276	0.0164	CS2	CS2							
				10/11/2016	24.9	13.8	0.3	0	2		0.1	14.32	988	0.0249	0.0138	CS2	CS2							
				16/11/2016	25.7	24.2	0.5	0	3		0.1	14.43	995	0.0257	0.0242	CS2	CS2							
				22/11/2016	23.0	14.8	0.1	0	1		-0.1	14.34	983	-0.023	-0.0148	CS2	CS2							
PFCPRC41	Area A - Landfill	3.0-9.0	Landfill	03/10/2016	58.3	19.7	<0.1					Dry	1010					59.8	20.8	1.8	1.0764	0.3744	CS3	CS2
				10/10/2016	57.4	19.4	<0.1				<0.1	Dry	1005	0.0574	0.0194	CS2	CS2							
				17/10/2016	57.4	19.8	0.1				<0.1	Dry	997	0.0574	0.0198	CS2	CS2							
				31/10/2016	59.1	19.9	0.1				1.8	Dry	1007	1.0638	0.3582	CS3	CS2							
				07/11/2016	59.8	20.6	<0.1				-0.7		991	-0.4186	-0.1442	CS2	CS2							
				10/11/2016	54.4	17.3	<0.1	0	1		0.3	8.66	986	0.1632	0.0519	CS2	CS2							
				16/11/2016	53.3	20.8	<0.1	0	0		<0.1	8.65	995	0.0533	0.0208	CS2	CS2							
				22/11/2016	52.0	17.8	<0.1	0	1		0.1	8.66	986	0.052	0.0178	CS2	CS2							
PFCPRC41A (SP)	Area A - Landfill	13.0-16.0	Landfill	03/10/2016	<0.1	1.1	20.2					Dry	1012					46.2	19.6	-3.3	-1.5246	-0.6468	CS3	CS2
				10/10/2016	43.2	19.6	0.1				<0.1	Dry	1004	0.0432	0.0196	CS2	CS2							

Appendix F

F9 Gas Monitoring Data - Access Road Ground Investigation

Well ID	Location	Response Zone	Strata	Date	Peak CH4 (%v/v)	Peak CO2 (%v/v)	Min O2 (%v/v)	Peak H2S (ppm)	Peak CO (ppm)	Peak PID (ppm)	Peak Flow (l/hr)	Water Level (mbgl)	Atmos Pressure (mBar)	(l/hr)		Characteristic Situation		Maximum (Worst Case)			Worst Case GSV		Worst Case CS	
														CH4	CO2	CH4	CO2	CH4 (%)	CO2 (%)	Flow (l/hr)	CH4	CO2	CH4	CO2
				17/10/2016	25.7	10.6	10.2				<0.1	Dry	998	0.0257	0.0106	CS2	CS2							
				24/10/2016	11.4	6.6	15.0				<0.1	15.59	992	0.0114	0.0066	CS2	CS2							
				31/10/2016	46.2	19.4	0.1				-0.9	Dry	1008	-0.4158	-0.1746	CS2	CS2							
				07/11/2016	32.7	12.7	8.1				-3.3	Dry	991	-1.0791	-0.4191	CS3	CS2							
				10/11/2016	41.8	14.6	2.5	0	3		<0.1	15.28	987	0.0418	0.0146	CS2	CS2							
				16/11/2016	35.6	17.7	0.3	0	4		0.3	15.64	995	0.1068	0.0531	CS2	CS2							
				22/11/2016	22.7	11.0	9.1	0	1		<0.1	14.85	986	0.0227	0.011	CS2	CS2							
PFCPRC42 (SP)	Area A - Landfill	13.0-22.5	Chalk	03/10/2016	<0.1	0.1	20.8					Dry	1013					53.1	46.8	-2.8	-1.4868	-1.3104	CS3	CS3
				10/10/2016	40.9	17.0	5.8				<0.1	Dry	1005	0.0409	0.017	CS2	CS2							
				17/10/2016	<0.1	0.3	20.7				<0.1	Dry	996	0.0001	0.0003	CS1	CS1							
				24/10/2016	34.2	14.4	8.3				<0.1	Dry	991	0.0342	0.0144	CS2	CS2							
				31/10/2016	53.1	22.1	2.5				1.0	Dry	1008	0.531	0.221	CS2	CS2							
				07/11/2016	25.1	12.1	9.4				-2.8	Dry	981	-0.7028	-0.3388	CS3	CS2							
				10/11/2016	19.7	9.2	10.5	1	1		0.1	Dry	988	0.0197	0.0092	CS2	CS2							
				16/11/2016	40.8	46.8	4.1	0	3		0.2	Dry	994	0.0816	0.0936	CS2	CS2							
				22/11/2016	30.4	13.6	7.5	0	2		<0.1	Dry	984	0.0304	0.0136	CS2	CS2							
PFCPRC43 (SP)	Area A - Landfill	5.0-9.0	Landfill	03/10/2016	40.9	25.1	0.6					Dry	1012					42.7	27.2	0.3	0.1281	0.0816	CS2	CS2
				10/10/2016	29.7	21.8	2.8				<0.1	Dry	1007	0.0297	0.0218	CS2	CS2							
				17/10/2016	37.8	24.4	1.2				<0.1	Dry	998	0.0378	0.0244	CS2	CS2							
				24/10/2016	24.1	15.0	6.9				<0.1	8.65	991	0.0241	0.015	CS2	CS2							
				31/10/2016	29.9	24.3	1.0				0.3	Dry	1008	0.0897	0.0729	CS2	CS2							
				07/11/2016	42.7	27.2	<0.1				<0.1	Dry	991	0.0427	0.0272	CS2	CS2							
				10/11/2016	34.1	19.0	2.9	1	1		0.1	Dry		0.0341	0.019	CS2	CS2							
				16/11/2016	18.0	25.8	4.4	0	1		0.1	8.96	995	0.018	0.0258	CS2	CS2							
				22/11/2016	38.4	22.7	0.9	0	1		-0.1	8.97	986	-0.0384	-0.0227	CS2	CS2							
PFCPRC44	Area A - Landfill	3.0-8.5	Landfill	03/10/2016	29.4	22.1	2.7					Dry	1008					31	23.5	-2.4	-0.744	-0.564	CS3	CS2
				10/10/2016	26.4	23.1	1.2				<0.1	Dry	1005	0.0264	0.0231	CS2	CS2							
				17/10/2016	31.0	23.5	1.0				<0.1	Dry	996	0.031	0.0235	CS2	CS2							
				24/10/2016	28.6	23.1	0.8				<0.1	8.15	991	0.0286	0.0231	CS2	CS2							
				31/10/2016	22.0	22.5	0.6				<0.1	Dry	1007	0.022	0.0225	CS2	CS2							
				07/11/2016	17.9	17.3	5.9				-2.4	Dry	991	-0.4296	-0.4152	CS2	CS2							
				10/11/2016	18.7	15.6	3.6	1	1		<0.1	8.46	988	0.0187	0.0156	CS2	CS2							
				16/11/2016	14.1	19.4	0.3	0	2		0.2	8.46	994	0.0282	0.0388	CS2	CS2							
				22/11/2016	24.0	18.6	1.4	0	2		0.1	8.46	983	0.024	0.0186	CS2	CS2							
PFCPRC45 (SP)	Area A - Landfill	12.3-22.3	Chalk	03/10/2016	<0.1	2.3	18.8					Dry	1010					2.4	8.2	-1.9	-0.0456	-0.1558	CS2	CS2
				10/10/2016	0.7	0.7	20.2				<0.1	Dry	1005	0.0007	0.0007	CS1	CS1							
				17/10/2016	<0.1	0.6	20.5				<0.1	Dry	996	0.0001	0.0006	CS1	CS1							
				24/10/2016	<0.1	0.3	20.5				<0.1	22.01	991	0.0001	0.0003	CS1	CS1							
				31/10/2016	0.7	0.9	19.4				<0.1	Dry	1007	0.0007	0.0009	CS1	CS1							
				07/11/2016	1.7	2.1	17.9				-1.9	Dry	991	-0.0323	-0.0399	CS2	CS1							
				10/11/2016	0.8	2.4	18.5	0	1		0.1	22.37	988	0.0008	0.0024	CS1	CS1							
				16/11/2016	2.4	6.8	13.4	0	0		0.4	22.22	994	0.0096	0.0272	CS2	CS2							
				22/11/2016	2.2	8.2	11.7	0	1		0.1	22.23	984	0.0022	0.0082	CS2	CS2							
PFCPRC46 (SP)	Area B	6.0-12.0	Chalk	03/10/2016	<0.1	0.1	20.8					Dry	1008					0.1	2.7	-0.8	-0.0008	-0.0216	CS1	CS1
				10/10/2016	<0.1	2.4	17.0				<0.1	Dry	1005	0.0001	0.0024	CS1	CS1							
				17/10/2016	<0.1	0.1	19.7				<0.1	Dry	997	0.0001	0.0001	CS1	CS1							
				24/10/2016	<0.1	0.1	19.7				<0.1	Dry	992	0.0001	0.0001	CS1	CS1							
				31/10/2016	<0.1	2.7	15.5				<0.1	Dry	1007	0.0001	0.0027	CS1	CS1							
				07/11/2016	<0.1	0.1	20.3				<0.1	Dry	992	0.0001	0.0001	CS1	CS1							
				11/11/2016	0.1	1.3	19.1	0	0		-0.8	Dry	1004	-0.0008	-0.0104	CS1	CS1							
				16/11/2016	<0.1	0.1	20.8	1	0		<0.1	Dry	996	0.0001	0.0001	CS1	CS1							
				22/11/2016	<0.1	0.1	20.7	0	0		<0.1	Dry	983	0.0001	0.0001	CS1	CS1							
PFWS02 (SP)	Off SIte	2.0-4.0	Chalk	10/10/2016	<0.1	6.2	11.9	0	1		-0.1	Dry	988	-0.0001	-0.0062	CS1	CS1	<0.1	6.2	0.2	0.0002	0.0124	CS1	CS1
				16/11/2016	<0.1	5.3	12.7	1	2		0.2	Dry	996	0.0002	0.0106	CS1	CS1							
				22/11/2016	<0.1	4.3	14.5	0	1		<0.1	4.42	976	0.0001	0.0043	CS1	CS1							
PFWS04 (SP)	Off Site	1.0-5.75	Clay with flints	10/11/2016	<0.1	2.0	13.4	1	0		<0.1	Dry	989	0.0001	0.002	CS1	CS1	<0.1	3.1	-0.1	-0.0001	-0.0031	CS1	CS1
				16/11/2016	<0.1	2.2	13.0	0	0		-0.1	Dry	996	-0.0001	-0.0022	CS1	CS1							
				22/11/2016	<0.1	3.1	12.9	0	1		<0.1	5.66	976	0.0001	0.0031	CS1	CS1							
PFWS05 (SP)	Off Site	1.7-5.7	Chalk	10/11/2016	<0.1	2.6	16.9	0	2		<0.1	Dry	983	0.0001	0.0026	CS1	CS1	<0.1	2.8	0.2	0.0002	0.0056	CS1	CS1
				16/11/2016	<0.1	2.8	16.1	0	0		<0.1	Dry	996	0.0001	0.0028	CS1	CS1							
				22/11/2016	<0.1	2.7	16.4	0	0		0.2	Dry	976	0.0002	0.0054	CS1	CS1							
PFWS08	Off Site	1.5-7.0	Clay with flints	11/11/2016	<0.1	3.0	16.6	0	0		1.1	7.00	1003	0.0011	0.033	CS1	CS1	<0.1	4.2	1.1	0.0011	0.0462	CS1	CS1
				16/11/2016	<0.1	4.2	14.6	0	3		0.1	Dry	996	0.0001	0.0042	CS1	CS1							
PFWS13	Rest Airport	4.0-7.0	Chalk	11/11/2016	<0.1	2.7	17.7	0	1		<0.1	Dry	1002	0.0001	0.0027	CS1	CS1	<0.1	2.7	-0.3	-0.0003	-0.0081	CS1	CS1
				16/11/2016	<0.1	1.8	18.7	0	1		<0.1	Dry	994	0.0001	0.0018	CS1	CS1							
				22/11/2016	<0.1	2.7	18.5	0	0		-0.3	Dry	983	-0.0003	-0.0081	CS1	CS1							
PFWS26	Rest Airport	2.5-7.0	Chalk	11/11/2016	<0.1	0.1	20.8	0	0		<0.1	Dry	1003	0.0001	0.0001	CS1	CS1	<0.1	2.8	0.1	0.0001	0.0028	CS1	CS1
				16/11/2016	<0.1	0.1	20.6	0	0		<0.1	Dry	997	0.0001	0.0001	CS1	CS1							
				22/11/2016	<0.1	2.8	18.6	0	0		0.1	Dry	983	0.0001	0.0028	CS1	CS1							
PFWS30	Rest Airport	2.75-3.75	Clay with flints / Chalk	11/11/2016	<0.1	0.1	20.7	0	0		<0.1	Dry	1003	0.0001	0.0001	CS1	CS1	<0.1	0.8	0.1	0.0001	0.0008	CS1	CS1
				16/11/2016	<0.1	0.1	20.6	0	0		0.1	Dry	997	0.0001	0.0001	CS1	CS1							
				22/11/2016	<0.1	0.8	20.0	0	0		<0.1	Dry	983	0.0001	0.0008	CS1	CS1							

Appendix F

F10 Gas Monitoring Data - Concept 2015 Ground Investigation

Well ID	Location	Response Zone	Strata	Date	Peak CH4 (%v/v)	Peak CO2 (%v/v)	Min O2 (%v/v)	Peak H2S (ppm)	Peak CO (ppm)	Peak PID (ppm)	Peak Flow (l/hr)	Water Level (mbgl)	Atmos Pressure (mBar)	(l/hr)		Characteristic Situation		Maximum (Worst Case)			Worst Case GSV		Worst Case CS	
														CH4	CO2	CH4	CO2	CH4 (%)	CO2 (%)	Flow (l/hr)	CH4	CO2	CH4	CO2
BH01	Rest Airport	0.5-1.5	MG/ CwF	07/11/2014	<0.1	<0.1	15.6	0	0		<0.1	1.07	966	0.0001	0.0001	CS1	CS1	<0.1	0.5	0.1	0.0001	0.0005	CS1	CS1
				09/12/2014	<0.1	<0.1	16	0	0		<0.1	Dry	997	0.0001	0.0001	CS1	CS1							
				02/02/2015	<0.1	0.5	13.5	0	0		<0.1	1.35	982	0.0001	0.0005	CS1	CS1							
				26/02/2015	<0.1	0.7	15.7	0	0		<0.1	0.91	985	<0.5m response zone, do not use data for risk assessment											
BH03	Rest Airport	0.5-1.5	MG/ CwF	07/11/2014	<0.1	<0.1	19.7	0.0	0.0		<0.1	0.61	966	<0.5m response zone, do not use data for risk assessment				-	-	-	-	-	-	-
				09/12/2014	<0.1	<0.1	18.9	0	0		<0.1	0.73	997												
				02/02/2015	<0.1	<0.1	18.1	0	0		<0.1	0.73	982												
				26/02/2015	<0.1	<0.1	16.9	0	0		<0.1	0.81	985												
BH04	Rest Airport	1.0-4.0	CwF	07/11/2014	<0.1	2.3	11.3	0	0		<0.1	Dry	969	0.0001	0.0023	CS1	CS1	<0.1	2.3	0.1	0.0001	0.0023	CS1	CS1
				09/12/2014	<0.1	1.5	15.8	0	0		<0.1	Dry	994	0.0001	0.0015	CS1	CS1							
				02/02/2015	<0.1	0.3	19.6	0	0		<0.1	Dry	982	0.0001	0.0003	CS1	CS1							
				26/02/2015	<0.1	0.5	18.3	0	0		<0.1	Dry	985	0.0001	0.0005	CS1	CS1							
BH06	Rest Airport	0.5-1.5	Concrete / CwF	07/11/2014	<0.1	0.2	15.7	0	0		<0.1	Dry	966	0.0001	0.0002	CS1	CS1	<0.1	0.4	0.1	0.0001	0.0004	CS1	CS1
				09/12/2014	<0.1	0.4	12.7	0	0		<0.1	Dry	997	0.0001	0.0004	CS1	CS1							
				02/02/2015	<0.1	0.3	15.3	0	0		<0.1	Dry	982	0.0001	0.0003	CS1	CS1							
				26/02/2015	<0.1	0.2	15.7	0	0		<0.1	1.40	985	0.0001	0.0002	CS1	CS1							
BH07A	Rest Airport	0.8-1.5	MG/ CwF	07/11/2014	<0.1	0.5	16.4	0	0		<0.1	Dry	967	0.0001	0.0005	CS1	CS1	<0.1	0.5	0.1	0.0001	0.0005	CS1	CS1
				09/12/2014	<0.1	0.1	18.7	0	0		<0.1	Dry	994	0.0001	0.0001	CS1	CS1							
				02/02/2015	<0.1	0.3	18.8	0	0		<0.1	Dry	982	0.0001	0.0003	CS1	CS1							
				26/02/2015	<0.1	0.5	18.5	0	0		<0.1	Dry	985	0.0001	0.0005	CS1	CS1							
BH08	Rest Airport	1.0-7.0	CwF	07/11/2014	<0.1	7.9	8.2	0	0		<0.1	Dry	968	0.0001	0.0079	CS1	CS1	<0.1	7.9	0.1	0.0001	0.0079	CS1	CS1
				09/12/2014	<0.1	0.8	19.4	0	0		<0.1	Dry	995	0.0001	0.0008	CS1	CS1							
				02/02/2015	<0.1	0.5	20.0	0	0		<0.1	Dry	982	0.0001	0.0005	CS1	CS1							
				26/02/2015	<0.1	0.9	15.7	0	0		<0.1	Dry	985	0.0001	0.0009	CS1	CS1							
WS05	Rest Airport	0.5-1.5	MG	07/11/2014	<0.1	<0.1	20.0	0	0		<0.1	Dry	967	0.0001	0.0001	CS1	CS1	<0.1	<0.1	0.1	0.0001	0.0001	CS1	CS1
				09/12/2014	<0.1	<0.1	19.7	0	0		<0.1	Dry	996	0.0001	0.0001	CS1	CS1							
				02/02/2015	<0.1	<0.1	19.5	0	0		<0.1	Dry	982	0.0001	0.0001	CS1	CS1							
				26/02/2015	<0.1	<0.1	19.1	0	0		<0.1	1.29	985	0.0001	0.0001	CS1	CS1							
WS03	Rest Airport	1.0-4.45	CwF	26/02/2015	<0.1	0.3	18.1	0	0		<0.1	2.12	985	0.0001	0.0003	CS1	CS1	<0.1	0.3	0.1	0.0001	0.0003	CS1	CS1

Appendix G – Controlled Waters Generic Quantitative Risk Assessment

Appendix G

G1 Groundwater Assessment Criteria

Screening value	Screening value	Units	Screening standard	Justification
General inorganics				
Total Cyanide	50	ug/l	UK DWS	DWS prioritised
Complex Cyanides	50	ug/l	UK DWS	DWS for total cyanide used
Free Cyanide	50	ug/l	UK DWS	DWS for total cyanide used
Thiocyanate as SCN	50	ug/l	UK DWS	DWS for total cyanide used
Sulphate as SO4	250000	ug/l	UK DWS	DWS prioritised
Sulphide	N/A	ug/l	-	-
Chloride	250	mg/l	UK DWS	DWS prioritised
Fluoride	1500	ug/l	UK DWS	DWS prioritised
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	DWS prioritised
Nitrate as N	11.3	mg/l	UK DWS	DWS for Nitrate as NO3 converted to Nitrate as N (NO3 x 0.2259)
Nitrate as NO3	50	mg/l	UK DWS	DWS prioritised
Nitrite as N	160	ug/l	UK DWS	DWS for Nitrite as NO2 converted to Nitrite as N (NO2 x 0.3257)
Nitrite as NO2	500	ug/l	UK DWS	DWS prioritised
Alkalinity	N/A	mg/l	-	-
Chemical Oxygen Demand (COD)	N/A	mg/l	-	-
Biological Oxygen Demand (BOD)	N/A	mg/l	-	-
Total Oxidised N (Nitrate/-ite)	50	mg/l	UK DWS	DWS for Nitrate as NO3 assumed
Total Suspended Solids	N/A	mg/l	-	-
Hardness - Total	N/A	mg/l	-	-
Bromide	N/A	mg/l	-	Bromide common constituent of groundwater and is naturally occurring
Bromate	0.01	mg/l	UK DWS	DWS prioritised
Phenols				
Catechol	7.7	ug/l	FEQS	EQS for phenol used (no UK DWS available)
Resorcinol	7.7	ug/l	FEQS	EQS for phenol used (no UK DWS available)
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	EQS for methylphenol used (no UK DWS available)
Cresols	100	ug/l	FEQS	EQS for methylphenol used (no UK DWS available)
Naphthols	7.7	ug/l	FEQS	EQS for phenol used (no UK DWS available)
Isopropylphenol	7.7	ug/l	FEQS	EQS for phenol used (no UK DWS available)
Phenol	7.7	ug/l	FEQS	EQS (no UK DWS available)
Trimethylphenol	100	ug/l	FEQS	EQS for methylphenol used (no UK DWS available)
Speciated PAHs				
Naphthalene	2	ug/l	FEQS	EQS (no UK DWS available)
Acenaphthylene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Acenaphthene	2000	ug/l	USEPA	USEPA DWS (no UK DWS available)
Fluorene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Phenanthrene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Anthracene	0.1	ug/l	FEQS	EQS (no UK DWS available)
Fluoranthene	0.0063	ug/l	FEQS	EQS (no UK DWS available)
Pyrene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Benzo(a)anthracene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Chrysene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	DWS prioritised
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	DWS prioritised
Benzo(a)pyrene	0.01	ug/l	UK DWS	DWS prioritised
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	DWS prioritised
Dibenzo(a,h)anthracene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	DWS prioritised
Heavy metals and metalloids				
Antimony	5	ug/l	UK DWS	DWS prioritised
Arsenic	10	ug/l	UK DWS	DWS prioritised
Barium	700	ug/l	WHO	WHO (no UK DWS available)
Beryllium	4	ug/l	USEPA	USEPA (no UK DWS available)
Boron	1000	ug/l	UK DWS	DWS prioritised
Cadmium	5	ug/l	UK DWS	DWS prioritised
Calcium	N/A	mg/l	-	-
Chromium VI	3.4	ug/l	FEQS	EQS (no UK DWS available)
Chromium III	4.7	ug/l	FEQS	EQS (no UK DWS available)
Chromium Total	50	ug/l	UK DWS	DWS prioritised
Copper	2000	ug/l	UK DWS	DWS prioritised
Iron	0.2	mg/l	UK DWS	DWS prioritised
Lead	10	ug/l	UK DWS	DWS prioritised
Magnesium	N/A	mg/l	-	-
Manganese	50	ug/l	UK DWS	DWS prioritised
Mercury	1	ug/l	UK DWS	DWS prioritised
Molybdenum	70	ug/l	WHO	WHO (no UK DWS available)
Nickel	20	ug/l	UK DWS	DWS prioritised
Potassium	N/A	mg/l	-	-
Selenium	10	ug/l	UK DWS	DWS prioritised
Sodium	50	mg/l	WHO	WHO (no UK DWS available)
Vanadium	20	ug/l	FEQS	EQS (no UK DWS available)
Zinc	5000	ug/l	USEPA	USEPA (no UK DWS available)

Screening value	Screening value	Units	Screening standard	Justification
Monoaromatics				
Benzene	1	ug/l	UK DWS	DWS prioritised
Toluene	74	ug/l	FEQS	EQS (no UK DWS available)
Ethylbenzene	20	ug/l	FEQS	EQS (no UK DWS available)
Xylenes	30	ug/l	FEQS	EQS (no UK DWS available)
MTBE	15	ug/l	WHO	WHO threshold for taste and odour in drinking water (no UK DWS available)
Petroleum hydrocarbons				
TPH	N/A	ug/l	-	
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	WHO (no UK DWS available)
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	WHO (no UK DWS available)
TPH >C8-C10 Aliphatics	300	ug/l	WHO	WHO (no UK DWS available)
TPH >C10-C12 Aliphatics	300	ug/l	WHO	WHO (no UK DWS available)
TPH >C12-C16 Aliphatics	300	ug/l	WHO	WHO (no UK DWS available)
TPH >C16-C21 Aliphatics	300	ug/l	WHO	WHO guideline for TPH >C12-C16 Aliphatics used (no UK DWS available)
TPH >C21-C35 Aliphatics	300	ug/l	WHO	WHO guideline for TPH >C12-C16 Aliphatics used (no UK DWS available)
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	WHO guideline for TPH >C12-C16 Aliphatics used (no UK DWS available)
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	WHO guideline for TPH >C12-C16 Aliphatics used (no UK DWS available)
C5-C35 Aliphatics	N/A	ug/l	-	-
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	-
TPH >C5-C6 Aromatics	10	ug/l	WHO	WHO (no UK DWS available)
TPH >C7-C8 Aromatics	700	ug/l	WHO	WHO (no UK DWS available)
TPH >C8-C9 Aromatics	300	ug/l	WHO	WHO (no UK DWS available)
TPH >C9-C10 Aromatics	300	ug/l	WHO	WHO (no UK DWS available)
TPH >C8-C10 Aromatics	300	ug/l	WHO	WHO (no UK DWS available)
TPH >C10-C12 Aromatics	90	ug/l	WHO	WHO (no UK DWS available)
TPH >C12-C16 Aromatics	90	ug/l	WHO	WHO (no UK DWS available)
TPH >C16-C21 Aromatics	90	ug/l	WHO	WHO (no UK DWS available)
TPH >C21-C35 Aromatics	90	ug/l	WHO	WHO (no UK DWS available)
TPH >C35-C44 Aromatics	90	ug/l	WHO	WHO guideline for TPH >C21-C35 Aromatics used (no UK DWS available)
C5-C35 Aromatics	N/A	ug/l	-	-
C5-C35 Aromatics	N/A	ug/l	-	-
VOCs				
Chloromethane	20	ug/l	FEQS	EQS for dichloromethane used (no UK DWS available)
Chloroethane	3	ug/l	UK DWS	DWS for 1,2-dichloroethane used
Bromomethane	100	ug/l	UK DWS	DWS for total trihalomethanes used which includes dibromomethane
Vinyl Chloride	0.5	ug/l	UK DWS	DWS prioritised
Trichlorofluoromethane	2.5	ug/l	FEQS	EQS for trichloromethane used (no UK DWS available)
1,1-Dichloroethene	7	ug/l	USEPA	USEPA (no UK DWS available)
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	EQS for 1,1,2-trichloroethane used (no UK DWS available)
Cis-1,2 Dichloroethene	50	ug/l	WHO	WHO (no UK DWS available)
1,1 -Dichloroethane	3	ug/l	UK DWS	DWS for 1,2-dichloroethane used
2,2-Dichloropropane	40	ug/l	WHO	WHO for 1,2-dichloropropane used (no UK DWS available)
Trichloromethane	2.5	ug/l	FEQS	EQS (no UK DWS available)
1,1,1-Trichloroethane	100	ug/l	FEQS	EQS (no UK DWS available)
1,2-Dichloroethane	3	ug/l	UK DWS	DWS prioritised
1,1-Dichloropropene	20	ug/l	WHO	WHO for 1,3-dichloropropene used (no UK DWS available)
Trans-1,2 Dichloroethene	50	ug/l	WHO	WHO (no UK DWS available)
Tetrachloromethane	3	ug/l	UK DWS	DWS prioritised
1,2-Dichloropropane	40	ug/l	WHO	WHO (no UK DWS available)
Trichloroethene	10	ug/l	UK DWS	DWS prioritised
Dibromomethane	100	ug/l	UK DWS	DWS prioritised
Bromodichloromethane	100	ug/l	UK DWS	DWS prioritised
Cis-1,3 Dichloropropene	20	ug/l	WHO	WHO (no UK DWS available)
Trans-1,3 Dichloropropene	20	ug/l	WHO	WHO (no UK DWS available)
1,1,2-Trichloroethane	400	ug/l	FEQS	EQS (no UK DWS available)
1,3-Dichloropropane	40	ug/l	WHO	WHO for 1,2-dichloropropane used (no UK DWS available)
Dibromochloromethane	100	ug/l	WHO	WHO (no UK DWS available)
Tetrachloroethene	10	ug/l	UK DWS	DWS prioritised
1,2-Dibromoethane	0.4	ug/l	WHO	WHO (no UK DWS available)
Chlorobenzene	0.4	ug/l	EQS	EQS for trichlorobenzene (no UK DWS available)
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	USEPA for 1,1,2,2-tetrachloroethane used (no UK DWS available)
m,p-Xylenes	30	ug/l	FEQS	EQS for total xylenes (no UK DWS available)
Styrene	20	ug/l	WHO	WHO (no UK DWS available)
Tribromomethane	100	ug/l	UK DWS	DWS for total trihalomethanes used which includes dibromomethane
o-Xylene	30	ug/l	FEQS	EQS for total xylenes (no UK DWS available)
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	USEPA (no UK DWS available)
Iso-propylbenzene	1	ug/l	UK DWS	UK DWS for benzene used
Bromobenzene	1	ug/l	UK DWS	UK DWS for benzene used
Propylbenzene	1	ug/l	UK DWS	UK DWS for benzene used
2-Chlorotoluene	74	ug/l	FEQS	EQS for toluene used (no UK DWS available)
4-Chlorotoluene	74	ug/l	FEQS	EQS for toluene used (no UK DWS available)
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	UK DWS for benzene used
tert-Butylbenzene	1	ug/l	UK DWS	UK DWS for benzene used
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	UK DWS for benzene used
sec-Butylbenzene	1	ug/l	UK DWS	UK DWS for benzene used

Screening value	Screening value	Units	Screening standard	Justification
1,3 Dichlorobenzene	3000	ug/l	USEPA	USEPA (no UK DWS available)
p-Isopropyltoluene	74	ug/l	FEQS	EQS for toluene used (no UK DWS available)
1,2-Dichlorobenzene	1000	ug/l	WHO	WHO (no UK DWS available)
1,4 Dichlorobenzene	300	ug/l	WHO	WHO (no UK DWS available)
n-Butylbenzene	1	ug/l	UK DWS	UK DWS for benzene used
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	WHO (no UK DWS available)
1,2,4-Trichlorobenzene	70	ug/l	USEPA	USEPA (no UK DWS available)
Hexachlorobutadiene	0.6	ug/l	WHO	WHO (no UK DWS available)
2,6 Chloronitrotoluene	74	ug/l	FEQS	EQS for toluene used (no UK DWS available)
4,2 Chloronitrotoluene	74	ug/l	FEQS	EQS for toluene used (no UK DWS available)
4,3 Chloronitrotoluene	74	ug/l	FEQS	EQS for toluene used (no UK DWS available)
2,4 Chloronitrotoluene	74	ug/l	FEQS	EQS for toluene used (no UK DWS available)
2,5 Chloronitrotoluene	74	ug/l	FEQS	EQS for toluene used (no UK DWS available)
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	EQS for trichlorobenzene (no UK DWS available)
1,2,3-Trichloropropane	40	ug/l	WHO	WHO for 1,2-dichloropropane used (no UK DWS available)
1,3,5-Trichlorobenzene	0.4	ug/l	FEWS	EQS for trichlorobenzene (no UK DWS available)
Bromochloromethane	100	ug/l	WHO	WHO for dibromochloromethane used (no UK DWS available)
Dichloromethane	20	ug/l	FEQS	EQS (no UK DWS available)
Carbon disulphide	10	ug/l	Default	No suitable published criteria available default value of 10ug/l adopted
Dichlorodifluoromethane	20	ug/l	FEQS	EQS used for dichloromethane (no UK DWS available)
SVOCs				
Phenol	7.7	ug/l	FEQS	EQS (no UK DWS available)
2-Chlorophenol	50	ug/l	FEQS	EQS (no UK DWS available)
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	USEPA for bis(2-chloro-1-methylethyl)ether used (no UK DWS available)
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	USEPA for bis(2-chloro-1-methylethyl)ether used (no UK DWS available)
2-Methylphenol	100	ug/l	FEQS	EQS for methylphenol used (no UK DWS available)
Hexachloroethane	40	ug/l	USEPA	USEPA (no UK DWS available)
Nitrobenzene	1	ug/l	UK DWS	UK DWS for benzene used
4-Methylphenol	100	ug/l	FEQS	EQS for methylphenol used (no UK DWS available)
Isophorone	7000	ug/l	USEPA	USEPA (no UK DWS available)
2-Nitrophenol	7.7	ug/l	FEQS	EQS for phenol used (no UK DWS available)
2,4-Dimethylphenol	100	ug/l	FEQS	EQS for methylphenol used (no UK DWS available)
Bis(2-chloroethoxy)methane	10	ug/l	Default	No suitable published criteria available default value of 10ug/l adopted
2,4-Dichlorophenol	4.2	ug/l	FEQS	EQS (no UK DWS available)
4-Chloro-3-methylphenol	40	ug/l	FEQS	EQS (no UK DWS available)
2,4,6-trichlorophenol	200	ug/l	WHO	WHO (no UK DWS available)
2,4,5-Trichlorophenol	200	ug/l	WHO	WHO for 2,4,6-trichlorophenol used (no UK DWS available)
2-Methylnaphthalene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
2-Chloronaphthalene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Dimethylphthalate	800	ug/l	FEQS	EQS (no UK DWS available)
2,6-Dinitrotoluene	100	ug/l	USEPA	USEPA for 2,4-dinitrotoluene used (no UK DWS available)
2,4-Dinitrotoluene	100	ug/l	USEPA	USEPA (no UK DWS available)
Dibenzofuran	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Diethyl phthalate	200	ug/l	FEQS	EQS (no UK DWS available)
Bromophenyl phenyl ether	10	ug/l	Default	No suitable published criteria available default value of 10ug/l adopted
Hexachlorobenzene	1	ug/l	USEPA	USEPA (no UK DWS available)
Carbazole	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
Di-n-butyl phthalate	8	ug/l	FEQS	EQS (no UK DWS available)
Butyl benzyl phthalate	7.5	ug/l	FEQS	EQS (no UK DWS available)
PCBs by GC-ECD - WHO 12				
PCB Congener 77	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 81	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 105	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 114	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 118	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 123	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 126	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 156	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 157	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 167	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 169	25	ug/l	FEQS	EQS (no UK DWS available)
PCB Congener 189	25	ug/l	FEQS	EQS (no UK DWS available)
PCBs	25	ug/l	FEQS	EQS (no UK DWS available)
Environmental Forensics				
PFOS	0.3	ug/l	FEQS	DWS
PFOA	0.3	ug/l	FEQS	DWS for PFOS used
Metaldehyde	0.1	ug/l	UK DWS	DWS for other pesticides prioritised
Chloronitrotoluenes (sum)	10	ug/l	FEQS	EQS (no DWS available). EQS is an EA operational EQS and is not listed within WFD.
Chlorbufam	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Chloroxuron	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Chlorpropham	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Ethiofencarb	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Phenmedipham	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Propham	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Dimefuron	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised

Screening value	Screening value	Units	Screening standard	Justification
Metoxuron	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Pencycuron	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
o,p-Methoxychlor	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Demeton-s-methyl	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Diclofop	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Fenvalerate	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Cyhalothrin	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Ametryn	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Atrazine-methoxy	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Bromacil	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Flamprop	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Flamprop-isopropyl	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Prometon	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Simetryn	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
4-Nitrophenol	7.7	ug/l	FEQS	EQS for phenol used (no UK DWS available)
Hexachlorocyclopentadiene	50	ug/l	USEPA	USEPA (no UK DWS available)
Perylene	2	ug/l	FEQS	EQS for naphthalene used (no UK DWS available)
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Carbamates				
Pirimicarb	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Carbetamide	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Phthalates				
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	WHO for di(2-ethylhexyl)phthalate used (no UK DWS available)
Di-n-octyl phthalate	20	ug/l	FEQS	EQS (no UK DWS available)
Total phthalates	N/A	mg/l	-	-
Glycols				
Ethylene Glycol	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Diethylene Glycol	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
1,2-Propanediol	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Triazine Pesticides				
Atrazine	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Simazine	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Prometryn	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Propazine	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Terbuthylazine	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Terbutryn	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Acid herbicides esters				
2,4-D Methyl Ester	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
2,4-D butyl ester	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
2,4-D ethyl ester	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
2,4-D isobutyl ester	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
2,4-D isopropyl ester	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Acid Herbicides				
2,3,6-TBA	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Benazolin	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Bromoxynil	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Clopyralid	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Ioxynil	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
2,4,5-T	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
2,4,5-TP	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
2,4-D	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
2,4-DB	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Dicamba	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Dichlorprop	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
MCPA	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
MCPB	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Mecoprop	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Picloram	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Organochlorine Pesticides				
Aldrin	0.03	ug/l	UK DWS	DWS 'pesticides' prioritised
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Dieldrin	0.03	ug/l	UK DWS	DWS 'pesticides' prioritised
Endosulfan	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Endosulfan	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Endosulfan Sulphate	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Endrin	0.6	ug/l	WHO	DWS 'other pesticides' prioritised
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Heptachlor	0.03	ug/l	UK DWS	DWS 'pesticides' prioritised
Heptachlor Epoxide	0.03	ug/l	UK DWS	DWS 'pesticides' prioritised
Isodrin	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Methoxychlor	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
o,p-DDE	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised

Screening value	Screening value	Units	Screening standard	Justification
DDT	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
p,p-DDE	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
DDT	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Trifluralin	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Organonitrogen pesticides				
Bentazone	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Fluroxypyr	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Triclorpyr	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Organophosphorous pesticides				
Azinphos-ethyl	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Azinphos-methyl	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Chlorfenvinphos	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Chlorfenvinphos I	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Chlorfenvinphos II	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Diazinon	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Dichlorvos	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Dimethoate	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
E-mevinphos	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Z-Mevinphos	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Ethion	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Fenitrothion	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Fenthion	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Malathion	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Parathion-ethyl	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Parathion-methyl	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Phenylurea herbicides				
Isoproturon	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Chlortoluron	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Diflubenzuron	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Diuron	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Linuron	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Methabenzthiazuron	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Monolinuron	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Monuron	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
VFAs				
Acetic acid	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Propanoic acid	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Butyric acid	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Isobutyric acid	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Pentanoic acid	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Isopentanoic acid	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Hexanoic acid	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Heptanoic acid	0.01	mg/l	Default	No suitable published criteria available default value of 10ug/l adopted
Pyrethroids				
Cyfluthrin	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Cypermethrin	100	ng/l	UK DWS	DWS 'other pesticides' prioritised
Deltramethrin	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Permethrin	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Permethrin	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Organotins				
Tributyltin compounds	0.2	ng/l	FEQS	EQS (no UK DWS available)
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	EQS for tributyl tin compounds used (no UK DWS available)
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	EQS for tributyl tin compounds used (no UK DWS available)
Chlorophenols				
Pentachlorophenol	0.0004	mg/l	FEQS	EQS (no UK DWS available)
Others				
Chlordane	0.0001	mg/l	UK DWS	DWS 'other pesticides' prioritised
Chlorothalonil	0.0001	mg/l	UK DWS	DWS 'other pesticides' prioritised
Chlorpyrifos	0.0001	mg/l	UK DWS	DWS 'other pesticides' prioritised
Pendimethalin	0.0003	mg/l	FEQS	DWS 'other pesticides' prioritised
Bromoform	0.1	mg/l	WHO	WHO (no UK DWS available)
Carbon Tetrachloride	0.003	mg/l	UK DWS	DWS prioritised
Lambda-cyhalothrin	0.1	ug/l	UK DWS	DWS 'other pesticides' prioritised
Methane	N/A	ug/l	-	-

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH105	AEC17-H24-BH105	AEC17-H24-BH105
					Sample Top	0.60	1.50	3.00	6.00	1.20	12.00	17.00	20.00	3.00	7.00	1.00	1.50	3.50	0.30	1.50	2.30	4.30	0.30	1.70	3.00
					Lookup soil	MG	MG	MG	CHK	GTA	CHK	CHK	CHK	GTA	CHK	MG	MG	GTA	MG	CWF	CWF	CWF	MG	CWF	CWF
					Sample Ref																				
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg	<0.01		<0.01	<0.01										<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg	<0.01		<0.01	<0.01										<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03										<0.03	<0.03	<0.03	<0.03	0.2	<0.03	<0.03
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03										<0.03	<0.03	<0.03	<0.03	1.4	<0.03	<0.03
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01		<0.01	<0.01										<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03										<0.03	<0.03	<0.03	<0.03	0.7	<0.03	<0.03
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03										<0.03	<0.03	<0.03	<0.03	0.5	<0.03	<0.03
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03										<0.03	<0.03	<0.03	<0.03	1.1	<0.03	<0.03
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03										<0.03	<0.03	<0.03	<0.03	1.6	<0.03	<0.03
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03										<0.03	<0.03	<0.03	<0.03	0.4	<0.03	<0.03
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03										<0.03	<0.03	<0.03	<0.03	0.1	<0.03	<0.03
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03										<0.03	<0.03	<0.03	<0.03	0.8	<0.03	<0.03
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03										<0.03	<0.03	<0.03	<0.03	0.8	<0.03	<0.03
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03										<0.03	<0.03	<0.03	<0.03	0.2	<0.03	<0.03
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03										<0.03	<0.03	<0.03	<0.03	0.7	<0.03	<0.03
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	0.3	0.2	<0.1	<0.1										0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg	<0.01		<0.01	<0.01										<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	30.0	18.0	22.0	2.4										18.0	20.0	31.0	17.0	6.7	26.0	23.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.05	0.1	0.1	<0.05										<0.05	0.1	0.1	0.2	<0.05	<0.05	0.2
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	13.0	50.0	51.0	4.8										13.0	28.0	37.0	34.0	9.0	20.0	33.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	2.2	2.6	4.0	<1.0										<1.0	1.4	1.2	1.1	<1.0	2.1	1.3
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	9.6	21.0	21.0	2.4										8.5	14.0	13.0	10.0	4.2	19.0	14.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.8	1.6	1.9	0.2										0.5	1.5	2.4	2.6	<0.2	1.2	2.2
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	1.4	<0.2	0.8	0.8										1.5	1.5	0.9	0.7	0.9	0.7	0.7
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.6	0.8	1.2	0.2										0.2	<0.1	<0.1	0.3	<0.1	<0.1	<0.1
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	19.0	35.0	77.0	4.6										15.0	42.0	39.0	33.0	8.7	58.0	34.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	21.0	25.0	33.0	5.0										19.0	28.0	43.0	37.0	12.0	23.0	36.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	31.0	48.0	89.0	9.0										36.0	74.0	79.0	63.0	37.0	79.0	72.0
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	61.0	93.0	110.0	26.0										46.0	69.0	90.0	100.0	36.0	61.0	98.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.5	<0.5	0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03										<0.03	<0.03	<0.03	<0.03	0.2	<0.03	<0.03
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03										<0.03	<0.03	<0.03	<0.03	0.9	<0.03	<0.03
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03										<0.03	<0.03	<0.03	<0.03	0.1	<0.03	<0.03
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03										<0.03	<0.01	<0.03	<0.03	0.0	<0.03	<0.03
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.3	<0.3	<0.3	<0.3										<0.3	<0.3	0.4	<0.3	<0.3	<0.3	<0.3
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.10	<0.10	<0.10	<0.10										<0.10	<0.10	<0.10	<0.10	9.7	<0.10	<0.10
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	8.3	7.9	7.7	8.4	7.6	8.3	8.9	8.8	7.7	8.3	7.9	7.4	8.1	9.7	7.3	7.6	7.4	9.0	7.5	7.2
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg	<0.01														<0.01	<0.01			<0.01	
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg	<0.01														<0.01	<0.01			<0.01	
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg	<0.9														<0.9	<0.9			<0.9	
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg	<0.5														<0.5	<0.5			1.4	
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg	<0.6														<0.6	<0.6			2.6	
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg	<1.4														<1.4	<1.4			11.0	
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg	<0.01														<0.01	<0.01			<0.01	
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg	<0.01														<0.01	<0.01			<0.01	
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg	<0.01														<0.01	<0.01			<0.01	
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg	<1.5														<1.5	<1.5			<1.5	
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg	<1.2														<1.2	<1.2			<1.2	
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	<1.5														<1.5	<1.5			<1.5	
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	<3.4														<3.4	<3.4			3.6	
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg	<0.01														<0.01	<0.01			<0.01	
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg															<0.1	<0.1			<0.1	
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg															<0.1	<0.1			<0.1	
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg															<0.01	<0.01			<0.01	
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg															<0.1	<0.1			<0.1	
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg															<0.01	<0.01			<0.01	
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg															<0.1	<0.1			<0.1	
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg															<0.1	<0.1			<0.1	
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg															<0.01	<0.01			<0.01	
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH105	AEC17-H24-BH105	AEC17-H24-BH105
					Sample Top	0.60	1.50	3.00	6.00	1.20	12.00	17.00	20.00	3.00	7.00	1.00	1.50	3.50	0.30	1.50	2.30	4.30	0.30	1.70	3.00
					Lookup soil	MG	MG	MG	CHK	GTA	CHK	CHK	CHK	GTA	CHK	MG	MG	GTA	MG	CWF	CWF	CWF	MG	CWF	CWF
					Sample Ref																				
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg															<0.01	<0.01			<0.01	
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg															<0.01	<0.01			<0.01	
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg															<0.1	<0.1			<0.1	
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg															<0.1	<0.1			<0.1	
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg															<0.1	<0.1			<0.1	
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg															<0.1	<0.1			<0.1	
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg															<0.1	<0.1			<0.1	
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg															<0.1	<0.1			<0.1	
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg															<0.01	<0.01			<0.01	
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg															<0.1	<0.1			<0.1	
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg															<0.01	<0.01			<0.01	
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg															<0.01	<0.01			<0.01	
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg															0.0	<0.01			<0.01	
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg															<0.1	<0.1			<0.1	
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg															<0.1	<0.1			<0.1	
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg															<0.01	<0.01			<0.01	
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg															<0.01	<0.01			<0.01	
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg															<0.1	<0.1			<0.1	
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg															<0.1	<0.1			<0.1	
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg															<0.1	<0.1			<0.1	
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg															<0.01	<0.01			<0.01	
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg															<0.1	<0.1			<0.1	
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg															<0.1	<0.1			<0.1	
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg															<0.1	<0.1			<0.1	
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg															<0.01	<0.01			<0.01	
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg															<0.1	<0.1			<0.1	
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg															<0.01	<0.01			<0.01	
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg															<0.01	<0.01			<0.01	
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg															<0.1	<0.1			<0.1	
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01	<0.01			<0.01	
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg															<0.01	<0.01			<0.01	

Appendix G

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH105	AEC17-H24-BH105	AEC17-H24-BH105
					Sample Top	0.60	1.50	3.00	6.00	1.20	12.00	17.00	20.00	3.00	7.00	1.00	1.50	3.50	0.30	1.50	2.30	4.30	0.30	1.70	3.00
					Lookup soil	MG	MG	MG	CHK	GTA	CHK	CHK	CHK	GTA	CHK	MG	MG	GTA	MG	CWF	CWF	CWF	MG	CWF	CWF
					Sample Ref																				
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg															<0.01	<0.01			<0.01	
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg															<0.01	<0.01			<0.01	
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.1	<0.1			<0.1	
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg															<0.01	<0.01			<0.01	
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg															<0.01	<0.01			<0.01	
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg																				
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg																				
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg																				
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg																				
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg																				
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg																				
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg																				
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg																				
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg																				
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg																				
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg																				
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg																				
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg																				
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg																				
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg																				
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg																				
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg																				
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg																				
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg																				
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg																				
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg																				
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg																				
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg																				
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg																				
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg																				
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg																				
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg																				
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg																				
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																				
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg																				
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg																				
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg																				
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg																				
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg																				
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																				
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg																				
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg																				
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg																				
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg																				
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH105	AEC17-H24-BH105	AEC17-H24-BH105
					Sample Top	0.60	1.50	3.00	6.00	1.20	12.00	17.00	20.00	3.00	7.00	1.00	1.50	3.50	0.30	1.50	2.30	4.30	0.30	1.70	3.00
					Lookup soil	MG	MG	MG	CHK	GTA	CHK	CHK	CHK	GTA	CHK	MG	MG	GTA	MG	CWF	CWF	CWF	MG	CWF	CWF
					Sample Ref																				
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg																				
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg																				
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg																				
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg																				
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg																				
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg																				
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg																				
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg																				
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg																				
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg																				
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg																				
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg																				
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg																				
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg																				
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg																				
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg																				
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg																				
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg																				
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg																				
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg																				
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg																				
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg																				
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg																				
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg																				
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg																				
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg																				
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg																				
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg																				
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg																				
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg																				
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg																				
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg																				
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg																				
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg																				
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg																				
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg																				
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg																				
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg																				
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg																				
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH105	AEC17-H24-BH105	AEC17-H24-BH105
					Sample Top	0.60	1.50	3.00	6.00	1.20	12.00	17.00	20.00	3.00	7.00	1.00	1.50	3.50	0.30	1.50	2.30	4.30	0.30	1.70	3.00
					Lookup soil	MG	MG	MG	CHK	GTA	CHK	CHK	CHK	GTA	CHK	MG	MG	GTA	MG	CWF	CWF	CWF	MG	CWF	CWF
					Sample Ref																				
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH105	AEC17-H24-BH105	AEC17-H24-BH105
					Sample Top	0.60	1.50	3.00	6.00	1.20	12.00	17.00	20.00	3.00	7.00	1.00	1.50	3.50	0.30	1.50	2.30	4.30	0.30	1.70	3.00
					Lookup soil	MG	MG	MG	CHK	GTA	CHK	CHK	CHK	GTA	CHK	MG	MG	GTA	MG	CWF	CWF	CWF	MG	CWF	CWF
					Sample Ref																				
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg																				
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg																				
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg																				
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg																				
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg																				
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg																				
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg																				
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg																				
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg																				
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg																				
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg																				
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg																				
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units																				
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units																				
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH105	AEC17-H24-BH105	AEC17-H24-BH105
					Sample Top	0.60	1.50	3.00	6.00	1.20	12.00	17.00	20.00	3.00	7.00	1.00	1.50	3.50	0.30	1.50	2.30	4.30	0.30	1.70	3.00
					Lookup soil	MG	MG	MG	CHK	GTA	CHK	CHK	CHK	GTA	CHK	MG	MG	GTA	MG	CWF	CWF	CWF	MG	CWF	CWF
					Sample Ref																				
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg																				
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH101	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH102	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH103	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH104	AEC17-H24-BH105	AEC17-H24-BH105	AEC17-H24-BH105
					Sample Top	0.60	1.50	3.00	6.00	1.20	12.00	17.00	20.00	3.00	7.00	1.00	1.50	3.50	0.30	1.50	2.30	4.30	0.30	1.70	3.00
					Lookup soil	MG	MG	MG	CHK	GTA	CHK	CHK	CHK	GTA	CHK	MG	MG	GTA	MG	CWF	CWF	CWF	MG	CWF	CWF
					Sample Ref																				
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg																				
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-TP101	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107
					Sample Top	0.30	1.30	2.30	4.30	3.50	0.25	0.90	1.90	3.00	0.30	1.40	2.00	0.30	0.50	0.80	1.30	2.00	0.30	0.90	2.00
					Lookup soil	MG	MG	MG	CWF	MG	MG	MG	MG	CWF	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	CWF
					Sample Ref																				
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03		0.1	0.2	<0.03	<0.03	0.4	<0.1	0.1		<0.03	<0.03	0.4	0.2	0.1	0.8	<0.03
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg	0.1	<0.03	<0.1	<0.03		0.5	1.4	0.2	0.1	2.2	0.2	0.5		<0.03	0.2	2.7	1.1	0.6	6.7	<0.03
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg	0.1	<0.03	<0.03	<0.03		0.4	1.2	<0.1	<0.03	0.7	0.1	0.2		<0.03	<0.1	1.1	0.5	0.1	3.3	<0.03
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg	0.1	<0.03	<0.03	<0.03		0.3	0.8	<0.1	<0.03	0.6	<0.1	0.1		<0.03	<0.1	0.8	0.4	0.1	2.5	<0.03
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg	0.1	<0.03	<0.1	<0.03		0.5	1.5	0.1	0.0	1.6	0.2	0.3		<0.03	0.1	2.2	1.2	0.4	6.0	<0.03
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg	0.2	<0.03	<0.1	<0.03		0.5	1.5	0.2	0.1	2.4	0.2	0.5		0.0	0.2	3.1	1.2	0.7	7.2	<0.03
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg	<0.03	<0.03	<0.1	<0.03		0.2	0.4	<0.1	<0.03	0.6	<0.1	0.2		<0.03	<0.1	0.7	0.4	0.1	1.8	<0.03
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03		<0.03	0.1	<0.03	<0.03	0.2	<0.1	<0.03		<0.03	<0.03	0.1	<0.1	<0.03	0.2	<0.03
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg	0.1	<0.03	<0.1	<0.03		0.3	0.8	0.1	<0.03	1.0	<0.1	0.2		<0.03	0.1	1.4	0.6	0.2	3.3	<0.03
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg	0.1	<0.03	<0.1	<0.03		0.3	0.9	<0.1	<0.03	1.1	0.1	0.2		<0.03	<0.1	1.5	0.7	0.2	4.0	<0.03
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03		0.1	0.2	<0.03	<0.03	0.1	<0.03	<0.03		<0.03	<0.03	0.2	0.1	<0.03	0.6	<0.03
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg	0.1	<0.03	<0.1	<0.03		0.2	0.7	0.1	<0.03	1.0	<0.1	0.2		<0.03	0.1	1.4	0.6	0.2	3.2	<0.03
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<0.1	<0.1	<0.1	<0.1		1.5	2.5	0.1	0.2	1.0	0.4	0.4	0.6	<0.1	0.1	0.8	1.2	0.2	0.7	<0.1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	16.0	32.0	8.1	26.0		330.0	570.0	25.0	36.0	1000.0	65.0	56.0	260.0	16.0	90.0	410.0	660.0	59.0	180.0	21.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.05	<0.05	<0.05	0.3		0.2	0.2	<0.05	0.1	0.6	0.2	0.2	0.6	<0.05	0.1	1.1	2.3	0.1	0.6	<0.05
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	17.0	29.0	23.0	41.0		76.0	170.0	11.0	33.0	96.0	19.0	18.0	32.0	6.1	22.0	64.0	55.0	17.0	36.0	13.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	1.2	1.5	1.4	1.0		21.0	34.0	1.8	2.4	40.0	3.6	3.6	10.0	<1.0	6.8	18.0	22.0	2.6	8.3	2.7
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	10.0	15.0	30.0	13.0		17.0	20.0	5.2	13.0	19.0	7.9	8.0	12.0	5.3	9.1	23.0	29.0	13.0	17.0	19.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	0.7	1.6	0.7	3.0		0.7	0.8	0.4	1.9	1.0	0.6	0.6	0.9	0.3	0.6	2.5	2.3	0.8	1.8	1.3
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	0.8	0.9	1.3	1.0		2.0	2.3	2.3	2.3	2.3	2.4	2.8	1.3	1.1	1.5	2.7	3.4	1.8	4.5	1.6
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.1	<0.1	<0.1	0.6		7.4	9.6	0.5	0.8	8.5	1.1	1.1	2.9	0.2	1.7	6.4	10.0	0.8	1.5	0.6
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	24.0	35.0	25.0	36.0		50.0	54.0	12.0	34.0	70.0	19.0	19.0	27.0	8.0	21.0	60.0	55.0	25.0	37.0	61.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	26.0	32.0	10.0	44.0		200.0	2700.0	22.0	55.0	740.0	42.0	100.0	1200.0	12.0	620.0	310.0	390.0	61.0	150.0	20.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	57.0	78.0	82.0	77.0		43.0	47.0	16.0	60.0	43.0	23.0	24.0	32.0	17.0	25.0	55.0	64.0	39.0	48.0	59.0
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	53.0	98.0	47.0	110.0		4200.0	6300.0	100.0	120.0	2000.0	160.0	180.0	1400.0	31.0	1100.0	580.0	720.0	140.0	270.0	49.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg	<0.03	<0.03	<0.1	<0.03		<0.03	0.1	<0.03	<0.03	<0.03	<0.03	<0.03		<0.03	<0.03	0.2	<0.03	<0.03	0.2	<0.03
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg	0.1	<0.03	<0.03	<0.03		0.2	0.6	0.1	<0.03	0.6	<0.1	0.2		<0.03	<0.1	1.4	0.5	0.4	2.4	<0.03
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03		<0.03	0.0	<0.03	<0.03	0.0	<0.03	<0.03		<0.03	<0.03	0.1	<0.1	<0.03	0.2	<0.03
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03		<0.03	0.0	<0.03	<0.03	0.0	<0.03	<0.03		<0.03	<0.03	0.0	<0.1	<0.03	0.0	<0.03
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.3	<0.3	<0.3	0.3		<0.3	0.6	<0.3	<0.3	0.6	0.3	<0.3	0.4	<0.3	<0.3	0.4	0.6	<0.3	<0.3	<0.3
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg	0.8	<0.10	0.9	<0.10		3.3	10.0	0.9	0.1	12.0	1.3	2.7		<0.10	1.0	17.0	7.6	3.1	42.0	<0.10
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	10.1	7.6	8.2	5.5	8.2	8.9	9.2	8.1	7.8	9.4	8.2	8.1	8.3	8.4	7.9	8.7	8.5	8.3	7.9	7.6
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg			<0.01				<0.01	<0.01		<0.01	<0.01	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg			<0.01				<0.01	<0.01		<0.01	<0.01	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg			<0.9				1.3	<0.9		<0.9	<0.9	<0.9		<0.9	<0.9	<0.9			6.3	<0.9
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg			2.0				1.1	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5			6.5	<0.5
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg			3.9				1.3	<0.6		<0.6	<0.6	<0.6		<0.6	<0.6	<0.6			13.0	<0.6
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg			8.9				8.4	<1.4		<1.4	<1.4	<1.4		<1.4	<1.4	<1.4			76.0	<1.4
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg			<0.01				<0.01	<0.01		<0.01	<0.01	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg			<0.01				<0.01	<0.01		<0.01	<0.01	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg			<0.01				<0.01	<0.01		<0.01	<0.01	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg			<1.5				<1.5	<1.5		<1.5	<1.5	<1.5		<1.5	<1.5	<1.5			<1.5	<1.5
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg			<1.2				<1.2	<1.2		<1.2	<1.2	<1.2		<1.2	<1.2	<1.2			3.6	<1.2
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg			2.0				2.4	<1.5		<1.5	3.3	3.4		<1.5	<1.5	7.0			26.0	<1.5
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg			4.8				68.0	<3.4		<3.4	<3.4	<3.4		<3.4	<3.4	13.0			150.0	<3.4
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg			<0.01				<0.01	<0.01		<0.01	<0.01	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		0.2		<0.1	<0.1
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		0.2	<0.1
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-TP101	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107
					Sample Top	0.30	1.30	2.30	4.30	3.50	0.25	0.90	1.90	3.00	0.30	1.40	2.00	0.30	0.50	0.80	1.30	2.00	0.30	0.90	2.00
					Lookup soil	MG	MG	MG	CWF	MG	MG	MG	MG	CWF	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	CWF
					Sample Ref																				
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		0.1		0.2	<0.1
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		0.1		<0.01	<0.01
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		0.1	<0.1
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		0.2		0.1	<0.1
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		0.5		0.4	<0.1
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		0.1		0.4	<0.1
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		0.0		<0.01	<0.01
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-TP101	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107
					Sample Top	0.30	1.30	2.30	4.30	3.50	0.25	0.90	1.90	3.00	0.30	1.40	2.00	0.30	0.50	0.80	1.30	2.00	0.30	0.90	2.00
					Lookup soil	MG	MG	MG	CWF	MG	MG	MG	MG	CWF	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	CWF
					Sample Ref																				
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1			<0.1				<0.1		<0.1		<0.1	<0.1
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		<0.01		<0.01	<0.01
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg			<0.01					<0.01			<0.01				<0.01		0.0		<0.01	<0.01
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg							<1.0							<1.0	<1.0				<1.0	
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg							<0.1							<0.1	<0.1				<0.1	
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg							2.4							<0.2	<0.2				0.7	
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg								<0.01									<0.01			
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg								<0.01									<0.01			
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg								<0.01									<0.01			
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg								<0.01									<0.01			
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg								<0.01									<0.01			
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg								<0.01									<0.01			
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg								<0.01									<0.01			
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg								<0.01									<0.01			
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg								<0.01									<0.01			
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg								<0.01									<0.01			
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg								<0.01									<0.01			
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg								<0.01									<0.01			
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg																				
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg																				
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg																				
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg																				
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg																				
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg																				
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg																				
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg																				
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg																				
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg																				
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg																				
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg																				
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg																				
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg																				
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg																				
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg																				
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg																				
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg																				
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg																				
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg																				
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg																				
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg																				
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg																				
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg																				
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg																				
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg																				
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg																				
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																				
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg																				
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg																				
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg																				
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg																				
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg																				
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																				
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg																				
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg																				
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg																				
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg																				
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-TP101	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107
					Sample Top	0.30	1.30	2.30	4.30	3.50	0.25	0.90	1.90	3.00	0.30	1.40	2.00	0.30	0.50	0.80	1.30	2.00	0.30	0.90	2.00
					Lookup soil	MG	MG	MG	CWF	MG	MG	MG	MG	CWF	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	CWF
					Sample Ref																				
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg																				
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg																				
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg																				
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg																				
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg																				
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg																				
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg																				
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg																				
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg																				
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg																				
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg																				
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg																				
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg																				
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg																				
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg																				
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg																				
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg																				
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg																				
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg																				
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg																				
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg																				
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg																				
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg																				
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg																				
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg																				
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg																				
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg																				
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg																				
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg																				
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg																				
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg																				
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg																				
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg																				
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg																				
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg																				
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg																				
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg																				
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg																				
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg																				
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-TP101	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107
					Sample Top	0.30	1.30	2.30	4.30	3.50	0.25	0.90	1.90	3.00	0.30	1.40	2.00	0.30	0.50	0.80	1.30	2.00	0.30	0.90	2.00
					Lookup soil	MG	MG	MG	CWF	MG	MG	MG	MG	CWF	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	CWF
					Sample Ref																				
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-TP101	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107
					Sample Top	0.30	1.30	2.30	4.30	3.50	0.25	0.90	1.90	3.00	0.30	1.40	2.00	0.30	0.50	0.80	1.30	2.00	0.30	0.90	2.00
					Lookup soil	MG	MG	MG	CWF	MG	MG	MG	MG	CWF	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	CWF
					Sample Ref																				
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg																				
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg																				
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg																				
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg																				
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg																				
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg																				
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg																				
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg																				
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg																				
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg																				
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg																				
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg																				
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units																				
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units																				
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-TP101	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107
					Sample Top	0.30	1.30	2.30	4.30	3.50	0.25	0.90	1.90	3.00	0.30	1.40	2.00	0.30	0.50	0.80	1.30	2.00	0.30	0.90	2.00
					Lookup soil	MG	MG	MG	CWF	MG	MG	MG	MG	CWF	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	CWF
					Sample Ref																				
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg																				
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-BH106	AEC17-H24-TP101	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP102	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP104	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP105	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-TP107
					Sample Top	0.30	1.30	2.30	4.30	3.50	0.25	0.90	1.90	3.00	0.30	1.40	2.00	0.30	0.50	0.80	1.30	2.00	0.30	0.90	2.00
					Lookup soil	MG	MG	MG	CWF	MG	MG	MG	MG	CWF	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	CWF
					Sample Ref																				
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg																				
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-WS101	AEC17-H24-WS102	AEC17-H24-WS102	AEC17-H24-WS103	AEC17-H24-WS104	AEC17-H24-WS105	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH06
					Sample Top	3.00	4.00	3.00	1.50	4.50	2.50	5.00	4.00	0.30	0.70	1.20	3.50	0.20	1.30	2.30	0.10	0.30	0.65	3.15	0.10
					Lookup soil	CWF	CWF	GTA	GTA	CHK	CWF	CWF	CWF	MG	MG	MG	CWF	MG	MG	CWF	MG	MG	MG	CWF	MG
					Sample Ref									1	2	3	5	1	4	5	1	2	3	6	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg		<0.01							<0.01			<0.01	<0.01					<0.01	<0.01	
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg		<0.01							<0.01			<0.01	<0.01					<0.01	<0.01	
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg		<0.03							6.5	0.8	4.7	0.1	1.3	0.0	<0.02	0.2	0.2	0.9	<0.02	<0.02
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg		<0.03							24.3	3.3	13.8	0.2	7.5	0.3	<0.07	0.9	1.2	2.9	<0.07	0.2
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg		<0.01																		
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg		<0.03							6.2	1.1	3.1	<0.05	1.1	0.1	<0.05	0.2	0.4	0.5	<0.05	0.1
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg		<0.03							8.0	1.3	3.8	0.1	1.3	0.1	<0.03	0.3	0.6	0.7	<0.03	0.1
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg		<0.03							11.2	1.9	5.9	0.1	2.4	0.2	<0.05	0.5	0.8	1.1	<0.05	0.2
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg		<0.03							27.6	3.9	16.4	0.3	8.2	0.4	<0.08	1.1	1.7	3.8	<0.08	0.2
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg		<0.03							4.7	0.7	2.6	<0.07	0.9	0.1	<0.07	0.2	0.4	0.5	<0.07	<0.07
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg		<0.03							0.1	0.0	0.1	<0.01	0.0	<0.01	<0.01	<0.01	0.0	0.0	<0.01	<0.01
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg		<0.03							11.9	1.8	6.0	0.1	2.8	0.2	<0.06	0.5	0.9	1.4	<0.06	0.1
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg		<0.03							10.7	1.7	5.5	0.1	2.0	0.1	<0.04	0.4	0.8	1.0	<0.04	0.1
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg		<0.03							1.3	0.2	0.7	<0.04	0.2	<0.04	<0.04	0.1	0.1	0.1	<0.04	<0.04
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg		<0.03							13.4	1.9	7.5	0.1	3.2	0.2	<0.04	0.5	0.7	1.4	<0.04	0.1
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<0.1	0.2																		
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg		<0.01							<0.01			<0.01	<0.01					<0.01	<0.01	
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	25.0	21.0							42.0	31.0	102.0	17.0	31.0	34.0	16.0	36.0	335.0	46.0	15.0	53.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.2	0.2							<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	0.2
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	43.0	120.0							13.0	18.0	16.0	14.0	11.0	13.0	38.0	8.0	14.0	8.0	19.0	34.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	2.0	3.1																		
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	11.0	16.0							5.0	5.0	6.0	6.0	5.0	6.0	2.0	5.0	8.0	6.0	14.0	11.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	2.1	4.4							1.0	1.0	1.0	1.0	1.0	1.0	3.0	<1	<1	<1	1.0	3.0
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	0.4	1.9							<1.0	<1.0	<1.0	<1.0	2.0	1.5	<1.0	<1.0	3.9	2.3	<1.0	1.8
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	1.1	2.7							0.9	1.0	1.0	1.2	0.7	1.2	1.5	<0.5	<0.5	<0.5	1.4	2.2
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	27.0	47.0							17.0	23.0	21.0	34.0	16.0	21.0	28.0	12.0	20.0	12.0	26.0	37.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	39.0	46.0							40.0	94.0	17.0	8.0	12.0	43.0	21.0	10.0	27.0	8.0	12.0	69.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	56.0	83.0							36.0	38.0	36.0	45.0	28.0	45.0	43.0	18.0	33.0	21.0	37.0	48.0
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	110.0	200.0							45.0	51.0	45.0	25.0	55.0	50.0	68.0	40.0	141.0	47.0	43.0	121.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.5	0.7							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg		<0.03							2.9	0.4	2.3	0.0	0.4	0.0	<0.01	0.2	0.1	0.6	<0.01	<0.01
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg		<0.03							19.5	2.2	13.0	0.2	4.8	0.2	<0.03	0.9	0.7	3.4	0.1	0.1
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg		<0.03							2.2	0.3	2.0	0.0	0.4	0.0	<0.01	0.1	0.1	0.6	<0.01	<0.01
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg		<0.03							0.8	0.1	0.7	<0.03	0.1	<0.03	<0.03	0.0	0.0	0.2	<0.03	<0.03
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.3	<0.3																		
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg		<0.10																		
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	6.9	6.2	8.5	7.5	8.8	7.6	8.4	7.7												
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg									<0.01			<0.01	<0.01					<0.01	<0.01	
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg									<0.1			<0.1	<0.1					<0.1	<0.1	
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg									2.7			<0.1	1.9					8.2	<0.1	
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg									20.8			<0.1	8.9					19.4	<0.1	
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg									78.3			<0.1	30.1					36.4	<0.1	
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg									<0.01			<0.01	<0.01					<0.01	<0.01	
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg									<0.01			<0.01	<0.01					<0.01	<0.01	
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg									<0.01			<0.01	<0.01					<0.01	<0.01	
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg									<0.1			<0.1	<0.1					<0.1	<0.1	
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg									0.3			<0.1	<0.1					2.8	<0.1	
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg									1.5			<0.1	1.7					8.7	<0.1	
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg									25.4			<0.1	24.3					17.1	<0.1	
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg									<0.01			<0.01	<0.01					<0.01	<0.01	
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-WS101	AEC17-H24-WS102	AEC17-H24-WS102	AEC17-H24-WS103	AEC17-H24-WS104	AEC17-H24-WS105	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH06
					Sample Top	3.00	4.00	3.00	1.50	4.50	2.50	5.00	4.00	0.30	0.70	1.20	3.50	0.20	1.30	2.30	0.10	0.30	0.65	3.15	0.10
					Lookup soil	CWF	CWF	GTA	GTA	CHK	CWF	CWF	CWF	MG	MG	MG	CWF	MG	MG	CWF	MG	MG	MG	CWF	MG
					Sample Ref									1	2	3	5	1	4	5	1	2	3	6	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg									<0.01			<0.01	<0.01					<0.01	<0.01	
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg									<0.01			<0.01	<0.01					<0.01	<0.01	
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																				
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-WS101	AEC17-H24-WS102	AEC17-H24-WS102	AEC17-H24-WS103	AEC17-H24-WS104	AEC17-H24-WS105	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH06
					Sample Top	3.00	4.00	3.00	1.50	4.50	2.50	5.00	4.00	0.30	0.70	1.20	3.50	0.20	1.30	2.30	0.10	0.30	0.65	3.15	0.10
					Lookup soil	CWF	CWF	GTA	GTA	CHK	CWF	CWF	CWF	MG	MG	MG	CWF	MG	MG	CWF	MG	MG	MG	CWF	MG
					Sample Ref									1	2	3	5	1	4	5	1	2	3	6	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg									<0.01			<0.01	<0.01					<0.01	<0.01	
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg																				
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg									<100				<100							
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg									<1				<1					<1		
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg									<1				<1					<1		
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg									<1				<1					<1		
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg									<1				<1					<1		
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg									207.0				<100							
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg									164.0				<100							
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg									<1				<1					<1		
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg									<2				<2					<2		
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg									<1				<1					<1		
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg									<1				<1					<1		
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg									<1				<1					<1		
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg									111.0				<100							
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg									<100				<100							
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg									<100				<100							
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg									<100				<100							
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg									109.0				247.0							
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg									<100				<100							
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg									<3				<3					<3		
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg									<100				<100							
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg									<100				<100							
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg									<3				<3					<3		
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg									<1				<1					<1		
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg									<100				<100							
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg									3680.0				298.0							
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg									<1				<1					<1		
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg									<1				<1					<1		
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg									5820.0				295.0							
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg									<100				<100							
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg									<1				<1					<1		
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg									<1				<1					<1		
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg									<100				<100							
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg									<100				<100							
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg									<100				<100							
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg									<100				<100							
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg									<1				<1					<1		

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-WS101	AEC17-H24-WS102	AEC17-H24-WS102	AEC17-H24-WS103	AEC17-H24-WS104	AEC17-H24-WS105	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH06
					Sample Top	3.00	4.00	3.00	1.50	4.50	2.50	5.00	4.00	0.30	0.70	1.20	3.50	0.20	1.30	2.30	0.10	0.30	0.65	3.15	0.10
					Lookup soil	CWF	CWF	GTA	GTA	CHK	CWF	CWF	CWF	MG	MG	MG	CWF	MG	MG	CWF	MG	MG	MG	CWF	MG
					Sample Ref									1	2	3	5	1	4	5	1	2	3	6	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg									55.0	51.0	57.0	43.0	67.0	78.0	99.0	67.0	135.0	42.0	36.0	259.0
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg									<10				<10					<10		
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg									<5				<5					<5		
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg									<5				<5					<5		
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg									<1				<1					<1		
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg									<10				<10					<10		
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg									<1				<1					<1		
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg									<1				<1					<1		
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg									<100				<100							
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg									<100				<100							
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg									<1				<1					<1		
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg									<1				<1					<1		
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg									<100				<100							
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg									<100				288.0							
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg									<100				<100							
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg									2900.0				808.0							
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg									<3				<3					<3		
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg									<100				<100							
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg									<100				<100							
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg									<100				<100							
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg									851.0				<100							
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg									<100				<100							
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg									<1				<1					<1		
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg									<100				<100							
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg									<1				<1					<1		
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg									<1				<1					<1		
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg									<100				<100							
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg									<1				<1					<1		
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg									<100				<100							
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg									<2				<2					<2		
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg									<1				<1					<1		
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg									<2				<2					<2		
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg									<1				<1					<1		
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg									<100				<100							
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg									<1				<1					<1		
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg									<1				<1					<1		
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg									<0.01			<0.01	<0.01					<0.01	<0.01	
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg									<0.01			<0.01	<0.01					<0.01	<0.01	
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-WS101	AEC17-H24-WS102	AEC17-H24-WS102	AEC17-H24-WS103	AEC17-H24-WS104	AEC17-H24-WS105	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH06
					Sample Top	3.00	4.00	3.00	1.50	4.50	2.50	5.00	4.00	0.30	0.70	1.20	3.50	0.20	1.30	2.30	0.10	0.30	0.65	3.15	0.10
					Lookup soil	CWF	CWF	GTA	GTA	CHK	CWF	CWF	CWF	MG	MG	MG	CWF	MG	MG	CWF	MG	MG	MG	CWF	MG
					Sample Ref									1	2	3	5	1	4	5	1	2	3	6	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-WS101	AEC17-H24-WS102	AEC17-H24-WS102	AEC17-H24-WS103	AEC17-H24-WS104	AEC17-H24-WS105	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH06
					Sample Top	3.00	4.00	3.00	1.50	4.50	2.50	5.00	4.00	0.30	0.70	1.20	3.50	0.20	1.30	2.30	0.10	0.30	0.65	3.15	0.10
					Lookup soil	CWF	CWF	GTA	GTA	CHK	CWF	CWF	CWF	MG	MG	MG	CWF	MG	MG	CWF	MG	MG	MG	CWF	MG
					Sample Ref									1	2	3	5	1	4	5	1	2	3	6	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg																				
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg																				
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg																				
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg																				
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg																				
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg																				
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg																				
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg																				
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg																				
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg																				
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg																				
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg																				
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units																				
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units																				
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-WS101	AEC17-H24-WS102	AEC17-H24-WS102	AEC17-H24-WS103	AEC17-H24-WS104	AEC17-H24-WS105	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH06
					Sample Top	3.00	4.00	3.00	1.50	4.50	2.50	5.00	4.00	0.30	0.70	1.20	3.50	0.20	1.30	2.30	0.10	0.30	0.65	3.15	0.10
					Lookup soil	CWF	CWF	GTA	GTA	CHK	CWF	CWF	CWF	MG	MG	MG	CWF	MG	MG	CWF	MG	MG	MG	CWF	MG
					Sample Ref									1	2	3	5	1	4	5	1	2	3	6	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																			
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																			
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																			
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																			
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																			
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																			
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																			
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																			
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																			
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																			
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																			
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																			
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																			
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																			
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																			
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																			
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																			
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																			
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																			
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																			
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																			
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																			
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																			
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg																			
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg																			
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																			
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																			
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																			
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																			
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																			
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																			
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																			
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																			
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																			
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																			
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																			
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																			
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg																			
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC17-H24-TP107	AEC17-H24-TP107	AEC17-H24-WS101	AEC17-H24-WS102	AEC17-H24-WS102	AEC17-H24-WS103	AEC17-H24-WS104	AEC17-H24-WS105	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH01	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH02	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH04	ARP16-CP-BH06
					Sample Top	3.00	4.00	3.00	1.50	4.50	2.50	5.00	4.00	0.30	0.70	1.20	3.50	0.20	1.30	2.30	0.10	0.30	0.65	3.15	0.10
					Lookup soil	CWF	CWF	GTA	GTA	CHK	CWF	CWF	CWF	MG	MG	MG	CWF	MG	MG	CWF	MG	MG	MG	CWF	MG
					Sample Ref									1	2	3	5	1	4	5	1	2	3	6	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg																				
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-BH06	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH11	ARP16-CP-BH11	ARP16-CP-BH13	ARP16-CP-BH15	ARP16-CP-BH15	ARP16-CP-BH16	ARP16-CP-BH20	ARP16-CP-BH29	ARP16-CP-BH31	ARP16-CP-BH34	ARP16-CP-BH50	ARP16-CP-BH51
					Sample Top	0.95	0.20	2.50	6.05	1.00	3.60	5.00	5.60	0.20	3.00	0.10	0.20	1.60	1.20	0.50	0.10	0.20	0.40	0.00	0.20
					Lookup soil	CWF	MG	MG	CWF	MG	MG	MG	CWF	MG	CWF	TS	CWF	CWF	CWF	CWF	TS	TS	MG	TS	TS
					Sample Ref	3	1	4	8	2	5	7	8	1	3	1	1	3	2	2	1	1	1	1	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01			<0.01							
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01			<0.01							
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg	<0.02	<0.02	0.5	<0.02	0.0	0.1	0.3	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02		<0.02		<0.02	<0.02	<0.02
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg	<0.07	0.2	2.2	<0.07	0.2	0.4	1.2	<0.07	<0.07	<0.07		<0.07	<0.07	<0.07		<0.07		<0.07	<0.07	<0.07
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg	<0.05	0.1	0.6	<0.05	0.1	0.2	0.2	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05		<0.05		<0.05	<0.05	<0.05
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg	<0.03	0.2	0.7	<0.03	0.1	0.2	0.3	<0.03	<0.03	<0.03		<0.03	<0.03	<0.03		<0.03		<0.03	0.1	<0.03
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg	<0.05	0.2	1.1	<0.05	0.2	0.3	0.6	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05		<0.05		<0.05	0.1	<0.05
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg	<0.08	0.2	2.5	<0.08	0.2	0.5	1.4	<0.08	<0.08	<0.08		<0.08	<0.08	<0.08		<0.08		<0.08	<0.08	<0.08
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg	<0.07	0.1	0.4	<0.07	<0.07	0.1	0.2	<0.07	<0.07	<0.07		<0.07	<0.07	<0.07		<0.07		<0.07	<0.07	<0.07
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg	<0.06	0.2	1.2	<0.06	0.1	0.3	0.6	<0.06	<0.06	<0.06		<0.06	<0.06	<0.06		<0.06		<0.06	0.1	<0.06
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg	<0.04	0.2	1.0	<0.04	0.1	0.3	0.4	<0.04	<0.04	<0.04		<0.04	<0.04	<0.04		<0.04		<0.04	0.1	<0.04
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg	<0.04	<0.04	0.1	<0.04	<0.04	<0.04	0.1	<0.04	<0.04	<0.04		<0.04	<0.04	<0.04		<0.04		<0.04	<0.04	<0.04
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg	<0.04	0.1	1.1	<0.04	0.1	0.2	0.6	<0.04	<0.04	<0.04		<0.04	<0.04	<0.04		<0.04		<0.04	0.0	<0.04
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01			<0.01							
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	25.0	26.0	46.0	19.0	44.0	219.0	20.0	17.0	36.0	19.0	32.0	18.0	21.0	17.0	18.0	33.0	15.0	32.0	40.0	15.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	43.0	21.0	16.0	16.0	17.0	19.0	20.0	23.0	21.0	8.0	11.0	21.0	39.0	15.0	22.0	29.0	29.0	26.0	26.0	20.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg																				
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	8.0	10.0	8.0	6.0	5.0	7.0	8.0	10.0	6.0	6.0	7.0	10.0	7.0	5.0	4.0	5.0	9.0	8.0	8.0	5.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			1.0			1.0	1.0	1.0	1.0	1.0	1.0	1.0
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	1.7	1.0	1.5	<1.0	<1.0	<1.0	1.2	<1.0			<1.0			<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	2.0	1.6	2.9	1.2	1.0	1.4	1.4	2.1	1.5	1.1	0.5	1.8	2.4	<0.5	<0.5	0.9	0.8	2.1	<0.5	1.4
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	37.0	31.0	18.0	29.0	20.0	30.0	24.0	48.0	26.0	25.0	20.0	32.0	42.0	32.0	25.0	20.0	29.0	33.0	33.0	27.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	16.0	16.0	20.0	6.0	18.0	17.0	15.0	11.0	15.0	3.0	14.0	9.0	17.0	9.0	16.0	20.0	14.0	10.0	25.0	7.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	54.0	45.0	32.0	37.0	34.0	43.0	41.0	62.0			26.0			36.0	43.0	38.0	39.0	43.0	43.0	30.0
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	86.0	58.0	68.0	34.0	74.0	65.0	54.0	49.0	63.0	18.0	44.0	59.0	88.0	54.0	51.0	59.0	53.0	63.0	85.0	50.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	1.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.0	<1	<1	<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg	<0.01	<0.01	0.5	<0.01	<0.01	0.0	0.1	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg	<0.03	<0.03	1.8	<0.03	0.1	0.3	1.0	<0.03	<0.03	<0.03		<0.03	<0.03	<0.03		<0.03		<0.03	<0.03	<0.03
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg	<0.01	<0.01	0.4	<0.01	<0.01	0.0	0.2	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg	<0.03	<0.03	0.2	<0.03	<0.03	<0.03	0.0	<0.03	<0.03	<0.03		<0.03	<0.03	<0.03		<0.03		<0.03	<0.03	<0.03
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units																				
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01			<0.01							
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1	<0.1			<0.1							
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1	<0.1			<0.1							
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg	<0.1		3.6	<0.1	<0.1			<0.1	<0.1	<0.1			<0.1							
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg	<0.1		13.9	<0.1	<0.1			<0.1	<0.1	<0.1			<0.1							
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01			<0.01							
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01			<0.01							
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01			<0.01							
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1	<0.1			<0.1							
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1	<0.1			<0.1							
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	<0.1		1.0	<0.1	<0.1			<0.1	<0.1	<0.1			<0.1							
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	<0.1		22.9	<0.1	10.3			<0.1	<0.1	<0.1			<0.1							
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01			<0.01							
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-BH06	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH11	ARP16-CP-BH11	ARP16-CP-BH13	ARP16-CP-BH15	ARP16-CP-BH15	ARP16-CP-BH16	ARP16-CP-BH20	ARP16-CP-BH29	ARP16-CP-BH31	ARP16-CP-BH34	ARP16-CP-BH50	ARP16-CP-BH51
					Sample Top	0.95	0.20	2.50	6.05	1.00	3.60	5.00	5.60	0.20	3.00	0.10	0.20	1.60	1.20	0.50	0.10	0.20	0.40	0.00	0.20
					Lookup soil	CWF	MG	MG	CWF	MG	MG	MG	CWF	MG	CWF	TS	CWF	CWF	CWF	CWF	TS	TS	MG	TS	TS
					Sample Ref	3	1	4	8	2	5	7	8	1	3	1	1	3	2	2	1	1	1	1	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01			<0.01							
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01			<0.01							
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																				
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-BH06	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH11	ARP16-CP-BH11	ARP16-CP-BH13	ARP16-CP-BH15	ARP16-CP-BH15	ARP16-CP-BH16	ARP16-CP-BH20	ARP16-CP-BH29	ARP16-CP-BH31	ARP16-CP-BH34	ARP16-CP-BH50	ARP16-CP-BH51
					Sample Top	0.95	0.20	2.50	6.05	1.00	3.60	5.00	5.60	0.20	3.00	0.10	0.20	1.60	1.20	0.50	0.10	0.20	0.40	0.00	0.20
					Lookup soil	CWF	MG	MG	CWF	MG	MG	MG	CWF	MG	CWF	TS	CWF	CWF	CWF	CWF	TS	TS	MG	TS	TS
					Sample Ref	3	1	4	8	2	5	7	8	1	3	1	1	3	2	2	1	1	1	1	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01		<0.01	<0.01	<0.01			<0.01	<0.01	<0.01			<0.01							
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg																				
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg			<100										<100							
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg			4.0										<1							
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg			6.0										<1							
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg			<1										<1							
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg			<1										<1							
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg			<100										<100							
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg			<100										<100							
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg			<1										<1							
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg			<2										<2							
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg			<1										<1							
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg			<1										<1							
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg			<1										<1							
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg			<100										<100							
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg			<100										<100							
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg			<100										<100							
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg			<100										<100							
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg			276.0										<100							
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg			<100										<100							
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg			<3										<3							
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg			<100										<100							
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg			<100										<100							
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg			<3										<3							
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg			<1										<1							
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg			<100										<100							
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg			315.0										<100							
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg			<1										<1							
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg			<1										<1							
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg			401.0										<100							
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg			<100										<100							
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg			<1										<1							
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg			<1										<1							
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg			<100										<100							
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg			<100										<100							
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg			<100										<100							
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg			<100										<100							
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg			<1										<1							

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-BH06	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH11	ARP16-CP-BH11	ARP16-CP-BH13	ARP16-CP-BH15	ARP16-CP-BH15	ARP16-CP-BH16	ARP16-CP-BH20	ARP16-CP-BH29	ARP16-CP-BH31	ARP16-CP-BH34	ARP16-CP-BH50	ARP16-CP-BH51
					Sample Top	0.95	0.20	2.50	6.05	1.00	3.60	5.00	5.60	0.20	3.00	0.10	0.20	1.60	1.20	0.50	0.10	0.20	0.40	0.00	0.20
					Lookup soil	CWF	MG	MG	CWF	MG	MG	MG	CWF	MG	CWF	TS	CWF	CWF	CWF	CWF	TS	TS	MG	TS	TS
					Sample Ref	3	1	4	8	2	5	7	8	1	3	1	1	3	2	2	1	1	1	1	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg	100.0	63.0	71.0	54.0	54.0	91.0	69.0	75.0			64.0			77.0	77.0	122.0	80.0	90.0	115.0	64.0
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg			<10										<10							
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg			<5										<5							
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg			<1										<0.6							
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg			<5										<5							
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg			2.0										<1							
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg			<10										<10							
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg			<1										<1							
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg			<1										<1							
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg			<100										<100							
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg			<100										<100							
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg			<1										<1							
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg			<1										<1							
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg			<100										<100							
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg			880.0										<100							
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg			<100										<100							
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg			964.0										<100							
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg			<3										<3							
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg			<100										<100							
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg			<100										<100							
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg			<100										<100							
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg			113.0										<100							
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg			<100										<100							
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg			3.0										<1							
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg			<100										<100							
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg			<1										<1							
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg			<1										<1							
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg			<100										<100							
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg			4.0										<1							
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg			<100										<100							
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg			<2										<2							
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg			2.0										<1							
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg			<2										<2							
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg			<1										<1							
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg			<100										<100							
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg			<1										<1							
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg			7.0										<1							
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg	<0.01		0.0	<0.01	<0.01			<0.01	<0.01	<0.01			<0.01							
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg	<0.01		0.0	<0.01	<0.01			<0.01	<0.01	<0.01			<0.01							
P1334	pH	SOLID	#N/A	mg/kg	pH									6.4	7.4		7.0	7.3							
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-BH06	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH11	ARP16-CP-BH11	ARP16-CP-BH13	ARP16-CP-BH15	ARP16-CP-BH15	ARP16-CP-BH16	ARP16-CP-BH20	ARP16-CP-BH29	ARP16-CP-BH31	ARP16-CP-BH34	ARP16-CP-BH50	ARP16-CP-BH51
					Sample Top	0.95	0.20	2.50	6.05	1.00	3.60	5.00	5.60	0.20	3.00	0.10	0.20	1.60	1.20	0.50	0.10	0.20	0.40	0.00	0.20
					Lookup soil	CWF	MG	MG	CWF	MG	MG	MG	CWF	MG	CWF	TS	CWF	CWF	CWF	CWF	TS	TS	MG	TS	TS
					Sample Ref	3	1	4	8	2	5	7	8	1	3	1	1	3	2	2	1	1	1	1	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-BH06	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH11	ARP16-CP-BH11	ARP16-CP-BH13	ARP16-CP-BH15	ARP16-CP-BH15	ARP16-CP-BH16	ARP16-CP-BH20	ARP16-CP-BH29	ARP16-CP-BH31	ARP16-CP-BH34	ARP16-CP-BH50	ARP16-CP-BH51
					Sample Top	0.95	0.20	2.50	6.05	1.00	3.60	5.00	5.60	0.20	3.00	0.10	0.20	1.60	1.20	0.50	0.10	0.20	0.40	0.00	0.20
					Lookup soil	CWF	MG	MG	CWF	MG	MG	MG	CWF	MG	CWF	TS	CWF	CWF	CWF	CWF	TS	TS	MG	TS	TS
					Sample Ref	3	1	4	8	2	5	7	8	1	3	1	1	3	2	2	1	1	1	1	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg																				
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg																				
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg																				
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg																				
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg																				
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg																				
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg																				
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg																				
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg																				
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg																				
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg																				
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg																				
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units																				
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units																				
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-BH06	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH11	ARP16-CP-BH11	ARP16-CP-BH13	ARP16-CP-BH15	ARP16-CP-BH15	ARP16-CP-BH16	ARP16-CP-BH20	ARP16-CP-BH29	ARP16-CP-BH31	ARP16-CP-BH34	ARP16-CP-BH50	ARP16-CP-BH51
					Sample Top	0.95	0.20	2.50	6.05	1.00	3.60	5.00	5.60	0.20	3.00	0.10	0.20	1.60	1.20	0.50	0.10	0.20	0.40	0.00	0.20
					Lookup soil	CWF	MG	MG	CWF	MG	MG	MG	CWF	MG	CWF	TS	CWF	CWF	CWF	CWF	TS	TS	MG	TS	TS
					Sample Ref	3	1	4	8	2	5	7	8	1	3	1	1	3	2	2	1	1	1	1	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg																				
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-BH06	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH07	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-CP-BH11	ARP16-CP-BH11	ARP16-CP-BH13	ARP16-CP-BH15	ARP16-CP-BH15	ARP16-CP-BH16	ARP16-CP-BH20	ARP16-CP-BH29	ARP16-CP-BH31	ARP16-CP-BH34	ARP16-CP-BH50	ARP16-CP-BH51
					Sample Top	0.95	0.20	2.50	6.05	1.00	3.60	5.00	5.60	0.20	3.00	0.10	0.20	1.60	1.20	0.50	0.10	0.20	0.40	0.00	0.20
					Lookup soil	CWF	MG	MG	CWF	MG	MG	MG	CWF	MG	CWF	TS	CWF	CWF	CWF	CWF	TS	TS	MG	TS	TS
					Sample Ref	3	1	4	8	2	5	7	8	1	3	1	1	3	2	2	1	1	1	1	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg																				
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-BH54	ARP16-CP-BH54	ARP16-CP-BH55	ARP16-CP-TP01	ARP16-CP-TP01	ARP16-CP-TP02	ARP16-CP-TP03	ARP16-CP-TP03	ARP16-CP-TP06	ARP16-CP-TP07	ARP16-CP-TP11	ARP16-CP-TP11	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP14	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18
					Sample Top	0.20	9.00	0.10	0.05	2.15	0.10	0.50	2.65	0.10	0.10	0.10	0.40	0.05	1.15	2.25	0.10	0.10	1.05	1.30	2.00
					Lookup soil	TS	CHK	TS	CWF	CWF	TS	MG	MG	TS	TS	TS	CWF	MG	CWF	CWF	TS	MG	MG	MG	MG
					Sample Ref	1	3	1	1	4	1	2	5	1	1	1	2	1	3	4	1	1	2	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg				<0.01	<0.01													<0.01	<0.01	
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg				<0.01	<0.01													<0.01	<0.01	
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg		<0.02	<0.02	0.0	<0.02		<0.02	0.1			<0.02		<0.02	<0.02			<0.02	0.1	<0.02	0.2
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg		<0.07	0.1	0.2	<0.07		<0.07	1.1			<0.07		<0.07	<0.07			0.1	0.6	<0.07	3.6
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg		<0.05	<0.05	0.1	<0.05		<0.05	0.5			<0.05		<0.05	<0.05			<0.05	0.2	<0.05	0.7
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg		<0.03	<0.03	0.1	<0.03		<0.03	0.5			<0.03		<0.03	<0.03			<0.03	0.2	<0.03	0.7
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg		<0.05	0.1	0.2	<0.05		<0.05	0.8			<0.05		<0.05	<0.05			<0.05	0.5	<0.05	1.4
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg		<0.08	0.1	0.2	<0.08		<0.08	1.2			<0.08		<0.08	<0.08			0.1	0.6	<0.08	2.3
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg		<0.07	<0.07	<0.07	<0.07		<0.07	0.3			<0.07		<0.07	<0.07			<0.07	0.2	<0.07	0.6
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg		<0.01	<0.01	<0.01	<0.01		<0.01	<0.01			<0.01		<0.01	<0.01			<0.01	<0.01	<0.01	0.0
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg		<0.06	0.1	0.2	<0.06		<0.06	0.7			<0.06		<0.06	<0.06			<0.06	0.4	<0.06	1.4
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg		<0.04	0.1	0.1	<0.04		<0.04	0.5			<0.04		<0.04	<0.04			<0.04	0.4	<0.04	1.1
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg		<0.04	<0.04	<0.04	<0.04		<0.04	0.1			<0.04		<0.04	<0.04			<0.04	0.0	<0.04	0.2
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg		<0.04	0.1	0.1	<0.04		<0.04	0.4			<0.04		<0.04	<0.04			<0.04	0.3	<0.04	1.4
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg				<0.01	<0.01													<0.01	<0.01	
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	13.0	4.0	35.0	35.0	2.0	27.0	25.0	97.0	38.0	34.0	19.0	6.0	35.0	8.0	11.0	20.0	25.0	14.0	7.0	18.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.17	0.7	<0.17	<0.17	0.6	0.2	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	16.0	21.0	17.0	21.0	7.0	19.0	17.0	16.0	19.0	29.0	21.0	18.0	24.0	9.0	14.0	21.0	15.0	10.0	9.0	11.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg																				
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	7.0	2.0	5.0	6.0	2.0	4.0	8.0	8.0	7.0	6.0	4.0	<1	7.0	6.0	7.0	4.0	8.0	6.0	3.0	3.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.0	<1	1.0	1.0	<1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.5	1.1	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<1.0	<1.0	<1.0
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	1.3	0.6	0.5	1.6	0.5	<0.5	1.6	1.6	0.7	<0.5	<0.5	<0.5	2.0	1.0	1.5	0.7	1.9	1.2	0.8	0.8
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	28.0	11.0	23.0	30.0	18.0	29.0	31.0	21.0	25.0	46.0	16.0	16.0	31.0	18.0	27.0	26.0	29.0	26.0	13.0	17.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	9.0	8.0	16.0	20.0	3.0	13.0	12.0	25.0	20.0	21.0	15.0	9.0	23.0	4.0	6.0	16.0	21.0	7.0	6.0	10.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	41.0	22.0	40.0	35.0	11.0	35.0	42.0	35.0	33.0	49.0	28.0	28.0	43.0	32.0	47.0	38.0	39.0	37.0	24.0	27.0
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	31.0	37.0	52.0	97.0	14.0	47.0	37.0	69.0	47.0	67.0	40.0	31.0	105.0	16.0	26.0	47.0	50.0	23.0	23.0	36.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<1	<1	1.0	<1	<1	<1	2.0	<1	<1	<1	<1	<1	2.0	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg		<0.01	<0.01	<0.01	<0.01		<0.01	0.2			<0.01		<0.01	<0.01			<0.01	0.0	<0.01	0.1
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg		<0.03	0.0	0.1	<0.03		<0.03	0.4			<0.03		<0.03	<0.03			0.1	0.1	0.0	0.6
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg		<0.01	<0.01	<0.01	<0.01		<0.01	0.1			<0.01		<0.01	<0.01			<0.01	0.0	<0.01	0.1
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg		<0.03	<0.03	<0.03	<0.03		<0.03	<0.03			<0.03		<0.03	<0.03			<0.03	<0.03	<0.03	<0.03
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units																				
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg				<0.01	<0.01													<0.01	<0.01	
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg				<0.1	<0.1													<0.1	<0.1	
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg				<0.1	<0.1													<0.1	<0.1	
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg				<0.1	<0.1													4.8	0.6	
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg				<0.1	<0.1													4.4	7.7	
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg				<0.01	<0.01													<0.01	<0.01	
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg				<0.01	<0.01													<0.01	<0.01	
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg				<0.01	<0.01													<0.01	<0.01	
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg				<0.1	<0.1													<0.1	<0.1	
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg				<0.1	<0.1													<0.1	<0.1	
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg				<0.1	<0.1													<0.1	<0.1	
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg				<0.1	<0.1													<0.1	12.9	
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg				<0.01	<0.01													<0.01	<0.01	
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-BH54	ARP16-CP-BH54	ARP16-CP-BH55	ARP16-CP-TP01	ARP16-CP-TP01	ARP16-CP-TP02	ARP16-CP-TP03	ARP16-CP-TP03	ARP16-CP-TP06	ARP16-CP-TP07	ARP16-CP-TP11	ARP16-CP-TP11	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP14	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18
					Sample Top	0.20	9.00	0.10	0.05	2.15	0.10	0.50	2.65	0.10	0.10	0.10	0.40	0.05	1.15	2.25	0.10	0.10	1.05	1.30	2.00
					Lookup soil	TS	CHK	TS	CWF	CWF	TS	MG	MG	TS	TS	TS	CWF	MG	CWF	CWF	TS	MG	MG	MG	MG
					Sample Ref	1	3	1	1	4	1	2	5	1	1	1	2	1	3	4	1	1	2	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg				<0.01	<0.01													<0.01	<0.01	
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg				<0.01	<0.01													<0.01	<0.01	
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																				
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-BH54	ARP16-CP-BH54	ARP16-CP-BH55	ARP16-CP-TP01	ARP16-CP-TP01	ARP16-CP-TP02	ARP16-CP-TP03	ARP16-CP-TP03	ARP16-CP-TP06	ARP16-CP-TP07	ARP16-CP-TP11	ARP16-CP-TP11	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP14	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18
					Sample Top	0.20	9.00	0.10	0.05	2.15	0.10	0.50	2.65	0.10	0.10	0.10	0.40	0.05	1.15	2.25	0.10	0.10	1.05	1.30	2.00
					Lookup soil	TS	CHK	TS	CWF	CWF	TS	MG	MG	TS	TS	TS	CWF	MG	CWF	CWF	TS	MG	MG	MG	MG
					Sample Ref	1	3	1	1	4	1	2	5	1	1	1	2	1	3	4	1	1	2	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg				<0.01	<0.01													<0.01	<0.01	
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg																				
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg																				
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg																		<1		
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg																		<1		
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg																		<1		
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg																		<1		
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg																		<1		
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg																		<1		
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg																				
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg																		<1		
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg																		<1		
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg																		<1		
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg																		<2		
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg																		<1		
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg																		<1		
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg																		<1		
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg																		<1		
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg																				
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg																				
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg																				
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg																				
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg																		<3		
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg																				
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg																		<3		
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg																		<1		
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg																				
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg																				
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg																		<1		
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																		<1		
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg																		<1		
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg																		<1		
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg																		<1		
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg																		<1		
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg																		<1		
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																		<1		
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg																				
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg																		<1		
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg																		<1		
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg																				
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg																		<1		

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-BH54	ARP16-CP-BH54	ARP16-CP-BH55	ARP16-CP-TP01	ARP16-CP-TP01	ARP16-CP-TP02	ARP16-CP-TP03	ARP16-CP-TP03	ARP16-CP-TP06	ARP16-CP-TP07	ARP16-CP-TP11	ARP16-CP-TP11	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP14	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18
					Sample Top	0.20	9.00	0.10	0.05	2.15	0.10	0.50	2.65	0.10	0.10	0.10	0.40	0.05	1.15	2.25	0.10	0.10	1.05	1.30	2.00
					Lookup soil	TS	CHK	TS	CWF	CWF	TS	MG	MG	TS	TS	TS	CWF	MG	CWF	CWF	TS	MG	MG	MG	MG
					Sample Ref	1	3	1	1	4	1	2	5	1	1	1	2	1	3	4	1	1	2	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg																		<1		
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg	67.0	80.0	92.0	106.0	15.0	85.0	153.0	772.0	89.0	111.0	106.0	43.0	103.0	20.0	32.0	86.0	68.0	48.0	28.0	61.0
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg																		<1		
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg																		<10		
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg																		<1		
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg																		<5		
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg																		<1		
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg																		<1		
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg																		<10		
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg																		<1		
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg																		<1		
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg																		<10		
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg																		<1		
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg																		<1		
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg																		<1		
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg																		<1		
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg																				
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg																				
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																		<1		
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg																		<1		
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg																		<1		
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg																		<1		
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg																				
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg																				
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg																				
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg																		<3		
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg																		<1		
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg																				
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg																				
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg																				
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg																				
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg																		<1		
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg																				
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg																		<1		
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg																		<1		
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg																		<1		
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg																				
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg																		<2		
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg																		<1		
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg																		<2		
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg																		<1		
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg																				
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg																		<1		
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg																		<1		
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg				<0.01	<0.01													<0.01	<0.01	
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg				<0.01	<0.01													<0.01	<0.01	
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-BH54	ARP16-CP-BH54	ARP16-CP-BH55	ARP16-CP-TP01	ARP16-CP-TP01	ARP16-CP-TP02	ARP16-CP-TP03	ARP16-CP-TP03	ARP16-CP-TP06	ARP16-CP-TP07	ARP16-CP-TP11	ARP16-CP-TP11	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP14	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18
					Sample Top	0.20	9.00	0.10	0.05	2.15	0.10	0.50	2.65	0.10	0.10	0.10	0.40	0.05	1.15	2.25	0.10	0.10	1.05	1.30	2.00
					Lookup soil	TS	CHK	TS	CWF	CWF	TS	MG	MG	TS	TS	TS	CWF	MG	CWF	CWF	TS	MG	MG	MG	MG
					Sample Ref	1	3	1	1	4	1	2	5	1	1	1	2	1	3	4	1	1	2	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-BH54	ARP16-CP-BH54	ARP16-CP-BH55	ARP16-CP-TP01	ARP16-CP-TP01	ARP16-CP-TP02	ARP16-CP-TP03	ARP16-CP-TP03	ARP16-CP-TP06	ARP16-CP-TP07	ARP16-CP-TP11	ARP16-CP-TP11	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP14	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18
					Sample Top	0.20	9.00	0.10	0.05	2.15	0.10	0.50	2.65	0.10	0.10	0.10	0.40	0.05	1.15	2.25	0.10	0.10	1.05	1.30	2.00
					Lookup soil	TS	CHK	TS	CWF	CWF	TS	MG	MG	TS	TS	TS	CWF	MG	CWF	CWF	TS	MG	MG	MG	MG
					Sample Ref	1	3	1	1	4	1	2	5	1	1	1	2	1	3	4	1	1	2	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg																				
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg																				
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg																				
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg																				
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg																				
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg																				
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg																				
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg																				
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg																				
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg																				
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg																				
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg																				
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units																				
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units																				
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-BH54	ARP16-CP-BH54	ARP16-CP-BH55	ARP16-CP-TP01	ARP16-CP-TP01	ARP16-CP-TP02	ARP16-CP-TP03	ARP16-CP-TP03	ARP16-CP-TP06	ARP16-CP-TP07	ARP16-CP-TP11	ARP16-CP-TP11	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP14	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18
					Sample Top	0.20	9.00	0.10	0.05	2.15	0.10	0.50	2.65	0.10	0.10	0.10	0.40	0.05	1.15	2.25	0.10	0.10	1.05	1.30	2.00
					Lookup soil	TS	CHK	TS	CWF	CWF	TS	MG	MG	TS	TS	TS	CWF	MG	CWF	CWF	TS	MG	MG	MG	MG
					Sample Ref	1	3	1	1	4	1	2	5	1	1	1	2	1	3	4	1	1	2	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg																				
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-BH54	ARP16-CP-BH54	ARP16-CP-BH55	ARP16-CP-TP01	ARP16-CP-TP01	ARP16-CP-TP02	ARP16-CP-TP03	ARP16-CP-TP03	ARP16-CP-TP06	ARP16-CP-TP07	ARP16-CP-TP11	ARP16-CP-TP11	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP12	ARP16-CP-TP14	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18	ARP16-CP-TP18
					Sample Top	0.20	9.00	0.10	0.05	2.15	0.10	0.50	2.65	0.10	0.10	0.10	0.40	0.05	1.15	2.25	0.10	0.10	1.05	1.30	2.00
					Lookup soil	TS	CHK	TS	CWF	CWF	TS	MG	MG	TS	TS	TS	CWF	MG	CWF	CWF	TS	MG	MG	MG	MG
					Sample Ref	1	3	1	1	4	1	2	5	1	1	1	2	1	3	4	1	1	2	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg																				
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-TP20	ARP16-CP-TP23	ARP16-CP-TP32	ARP16-CP-TP35	ARP16-CP-TP39	ARP16-CP-TP40	ARP16-CP-TP41	ARP16-CP-TP43	ARP16-CP-TP44	ARP16-CP-TP44	ARP16-CP-TP45	ARP16-CP-TP46	ARP16-CP-TP46	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP51	ARP16-CP-TP52	ARP16-CP-TP52	ARP16-CP-TP52
					Sample Top	1.00	0.30	0.10	0.20	0.20	0.10	0.10	0.20	0.00	2.00	0.10	0.05	0.30	0.00	0.25	1.80	0.10	0.00	0.45	1.65
					Lookup soil	HEAD	CWF	TS	TS	TS	TS	TS	CHK	MG	MG	TS	MG	CWF	MG	MG	MG	TS	MG	MG	MG
					Sample Ref	2	2	1	1	1	1	1	1	1	3	1	1	2	1	2	5	1	1	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg									<0.01	<0.01						<0.01			<0.01	<0.01
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg									<0.01	<0.01						<0.01			<0.01	<0.01
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg		<0.02							0.0	0.0		0.1	<0.02	0.1	0.3	<0.02	<0.02	<0.02	<0.02	0.2
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg		<0.07							0.2	0.2		0.9	<0.07	0.7	3.2	<0.07	<0.07	0.2	<0.07	1.0
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg		<0.05							0.1	<0.05		0.7	<0.05	0.5	1.4	<0.05	<0.05	<0.05	<0.05	0.2
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg		<0.03							0.1	0.1		0.7	<0.03	0.6	1.6	<0.03	<0.03	0.1	<0.03	0.2
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg		<0.05							0.2	0.1		0.9	<0.05	0.8	2.5	<0.05	<0.05	0.1	<0.05	0.5
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg		<0.08							0.2	0.2		0.9	<0.08	0.8	3.5	<0.08	<0.08	0.2	<0.08	1.1
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg		<0.07							<0.07	<0.07		0.4	<0.07	0.3	1.0	<0.07	<0.07	<0.07	<0.07	0.2
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg		<0.01							<0.01	<0.01		0.0	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg		<0.06							0.2	0.1		0.7	<0.06	0.7	2.2	<0.06	<0.06	0.1	<0.06	0.5
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg		<0.04							0.1	0.1		0.8	<0.04	0.7	2.3	<0.04	<0.04	0.1	<0.04	0.4
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg		<0.04							<0.04	<0.04		0.1	<0.04	0.1	0.3	<0.04	<0.04	<0.04	<0.04	0.1
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg		<0.04							0.1	0.1		0.5	<0.04	0.5	2.2	<0.04	<0.04	0.1	<0.04	0.5
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg									<0.01	<0.01						<0.01			<0.01	<0.01
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	42.0	12.0	23.0	28.0	26.0	13.0	30.0	23.0	25.0	17.0	37.0	49.0	18.0	52.0	115.0	27.0	37.0	14.0	20.0	30.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.17	<0.17	<0.17	<0.17	0.5	0.2	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	0.3	0.3	<0.17	0.2	<0.17	<0.17	<0.17
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	20.0	15.0	23.0	11.0	34.0	8.0	20.0	17.0	19.0	18.0	23.0	15.0	25.0	18.0	15.0	20.0	20.0	15.0	14.0	13.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg																				
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	8.0	6.0	5.0	6.0	10.0	2.0	6.0	3.0	8.0	6.0	6.0	5.0	13.0	8.0	6.0	11.0	6.0	9.0	8.0	6.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	<1.0	<1.0	2.0	<1.0	<1.0	<1.0	<1.0	2.3	1.1	<1.0	<1.0	<1.0	<1.0	2.2	1.9	<1.0	<1.0	1.4	1.3	<1.0
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.9	1.3	0.8	<0.5	<0.5	<0.5	0.8	<0.5	1.8	1.5	<0.5	1.2	2.5	1.3	1.4	2.5	<0.5	1.3	1.2	1.3
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	27.0	22.0	26.0	22.0	82.0	9.0	28.0	18.0	25.0	21.0	31.0	27.0	50.0	20.0	17.0	28.0	23.0	29.0	18.0	18.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	20.0	11.0	16.0	11.0	23.0	8.0	21.0	17.0	20.0	17.0	19.0	17.0	21.0	21.0	30.0	13.0	28.0	10.0	20.0	14.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	36.0	38.0	37.0	26.0	64.0	16.0	32.0	27.0	38.0	34.0	44.0	33.0	83.0	30.0	23.0	44.0	37.0	38.0	35.0	28.0
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	51.0	32.0	58.0	34.0	76.0	26.0	62.0	52.0	62.0	70.0	61.0	58.0	58.0	82.0	134.0	49.0	67.0	35.0	51.0	45.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	2.0	<1	2.0	<1	1.0	1.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.0	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg		<0.01							<0.01	0.0		0.0	<0.01	0.0	0.1	<0.01	<0.01	<0.01	<0.01	0.1
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg		<0.03							0.1	0.1		0.2	<0.03	0.3	1.0	<0.03	<0.03	0.1	<0.03	0.7
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg		<0.01							<0.01	0.0		0.0	<0.01	0.0	0.1	<0.01	<0.01	<0.01	<0.01	0.1
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg		<0.03							<0.03	<0.03		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units																				
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg									<0.01	<0.01						<0.01			<0.01	<0.01
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg									<0.1	<0.1						<0.1			<0.1	<0.1
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg									0.5	<0.1						<0.1			<0.1	<0.1
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg									10.3	3.2						<0.1			0.8	1.4
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg									36.5	3.1						<0.1			32.4	48.8
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg									<0.01	<0.01						<0.01			<0.01	<0.01
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg									<0.01	<0.01						<0.01			<0.01	<0.01
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg									<0.01	<0.01						<0.01			<0.01	<0.01
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg									<0.1	<0.1						<0.1			<0.1	<0.1
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg									<0.1	<0.1						<0.1			<0.1	<0.1
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg									1.1	<0.1						<0.1			<0.1	<0.1
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg									53.8	<0.1						<0.1			24.3	52.4
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg									<0.01	<0.01						<0.01			<0.01	<0.01
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-TP20	ARP16-CP-TP23	ARP16-CP-TP32	ARP16-CP-TP35	ARP16-CP-TP39	ARP16-CP-TP40	ARP16-CP-TP41	ARP16-CP-TP43	ARP16-CP-TP44	ARP16-CP-TP44	ARP16-CP-TP45	ARP16-CP-TP46	ARP16-CP-TP46	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP51	ARP16-CP-TP52	ARP16-CP-TP52	ARP16-CP-TP52
					Sample Top	1.00	0.30	0.10	0.20	0.20	0.10	0.10	0.20	0.00	2.00	0.10	0.05	0.30	0.00	0.25	1.80	0.10	0.00	0.45	1.65
					Lookup soil	HEAD	CWF	TS	TS	TS	TS	TS	CHK	MG	MG	TS	MG	CWF	MG	MG	MG	TS	MG	MG	MG
					Sample Ref	2	2	1	1	1	1	1	1	1	3	1	1	2	1	2	5	1	1	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg									<0.01	<0.01						<0.01			<0.01	<0.01
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg									<0.01	<0.01						<0.01			<0.01	<0.01
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																				
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-TP20	ARP16-CP-TP23	ARP16-CP-TP32	ARP16-CP-TP35	ARP16-CP-TP39	ARP16-CP-TP40	ARP16-CP-TP41	ARP16-CP-TP43	ARP16-CP-TP44	ARP16-CP-TP44	ARP16-CP-TP45	ARP16-CP-TP46	ARP16-CP-TP46	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP51	ARP16-CP-TP52	ARP16-CP-TP52	ARP16-CP-TP52
					Sample Top	1.00	0.30	0.10	0.20	0.20	0.10	0.10	0.20	0.00	2.00	0.10	0.05	0.30	0.00	0.25	1.80	0.10	0.00	0.45	1.65
					Lookup soil	HEAD	CWF	TS	TS	TS	TS	TS	CHK	MG	MG	TS	MG	CWF	MG	MG	MG	TS	MG	MG	MG
					Sample Ref	2	2	1	1	1	1	1	1	1	3	1	1	2	1	2	5	1	1	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg									<0.01	<0.01						<0.01			<0.01	<0.01
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg																				
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg																				
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg																				
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg																				
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg																				
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg																				
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg																				
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg																				
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg																				
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg																				
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg																				
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg																				
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg																				
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg																				
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg																				
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg																				
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg																				
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg																				
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg																				
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg																				
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg																				
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg																				
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg																				
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg																				
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg																				
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg																				
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg																				
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg																				
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																				
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg																				
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg																				
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg																				
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg																				
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg																				
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																				
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg																				
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg																				
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg																				
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg																				
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-TP20	ARP16-CP-TP23	ARP16-CP-TP32	ARP16-CP-TP35	ARP16-CP-TP39	ARP16-CP-TP40	ARP16-CP-TP41	ARP16-CP-TP43	ARP16-CP-TP44	ARP16-CP-TP44	ARP16-CP-TP45	ARP16-CP-TP46	ARP16-CP-TP46	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP51	ARP16-CP-TP52	ARP16-CP-TP52	ARP16-CP-TP52
					Sample Top	1.00	0.30	0.10	0.20	0.20	0.10	0.10	0.20	0.00	2.00	0.10	0.05	0.30	0.00	0.25	1.80	0.10	0.00	0.45	1.65
					Lookup soil	HEAD	CWF	TS	TS	TS	TS	TS	CHK	MG	MG	TS	MG	CWF	MG	MG	MG	TS	MG	MG	MG
					Sample Ref	2	2	1	1	1	1	1	1	1	3	1	1	2	1	2	5	1	1	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg																				
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg	102.0	44.0	111.0	50.0	73.0	36.0	108.0	69.0	68.0	46.0	87.0	102.0	54.0	82.0	88.0	75.0	104.0	52.0	101.0	63.0
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg																				
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg																				
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg																				
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg																				
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg																				
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg																				
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg																				
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg																				
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg																				
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg																				
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg																				
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg																				
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg																				
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg																				
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg																				
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg																				
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg																				
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg																				
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg																				
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg																				
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg																				
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg																				
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg																				
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg																				
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg																				
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg																				
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg																				
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg																				
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg																				
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg																				
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg																				
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg																				
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg																				
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg																				
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg																				
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg																				
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg																				
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg									<0.01	<0.01						<0.01			<0.01	<0.01
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg									<0.01	<0.01						<0.01			<0.01	<0.01
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-TP20	ARP16-CP-TP23	ARP16-CP-TP32	ARP16-CP-TP35	ARP16-CP-TP39	ARP16-CP-TP40	ARP16-CP-TP41	ARP16-CP-TP43	ARP16-CP-TP44	ARP16-CP-TP44	ARP16-CP-TP45	ARP16-CP-TP46	ARP16-CP-TP46	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP51	ARP16-CP-TP52	ARP16-CP-TP52	ARP16-CP-TP52
					Sample Top	1.00	0.30	0.10	0.20	0.20	0.10	0.10	0.20	0.00	2.00	0.10	0.05	0.30	0.00	0.25	1.80	0.10	0.00	0.45	1.65
					Lookup soil	HEAD	CWF	TS	TS	TS	TS	TS	CHK	MG	MG	TS	MG	CWF	MG	MG	MG	TS	MG	MG	MG
					Sample Ref	2	2	1	1	1	1	1	1	1	3	1	1	2	1	2	5	1	1	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-TP20	ARP16-CP-TP23	ARP16-CP-TP32	ARP16-CP-TP35	ARP16-CP-TP39	ARP16-CP-TP40	ARP16-CP-TP41	ARP16-CP-TP43	ARP16-CP-TP44	ARP16-CP-TP44	ARP16-CP-TP45	ARP16-CP-TP46	ARP16-CP-TP46	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP51	ARP16-CP-TP52	ARP16-CP-TP52	ARP16-CP-TP52
					Sample Top	1.00	0.30	0.10	0.20	0.20	0.10	0.10	0.20	0.00	2.00	0.10	0.05	0.30	0.00	0.25	1.80	0.10	0.00	0.45	1.65
					Lookup soil	HEAD	CWF	TS	TS	TS	TS	TS	CHK	MG	MG	TS	MG	CWF	MG	MG	MG	TS	MG	MG	MG
					Sample Ref	2	2	1	1	1	1	1	1	1	3	1	1	2	1	2	5	1	1	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg																				
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg																				
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg																				
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg																				
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg																				
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg																				
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg																				
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg																				
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg																				
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg																				
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg																				
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg																				
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units																				
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units																				
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-TP20	ARP16-CP-TP23	ARP16-CP-TP32	ARP16-CP-TP35	ARP16-CP-TP39	ARP16-CP-TP40	ARP16-CP-TP41	ARP16-CP-TP43	ARP16-CP-TP44	ARP16-CP-TP44	ARP16-CP-TP45	ARP16-CP-TP46	ARP16-CP-TP46	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP51	ARP16-CP-TP52	ARP16-CP-TP52	ARP16-CP-TP52
					Sample Top	1.00	0.30	0.10	0.20	0.20	0.10	0.10	0.20	0.00	2.00	0.10	0.05	0.30	0.00	0.25	1.80	0.10	0.00	0.45	1.65
					Lookup soil	HEAD	CWF	TS	TS	TS	TS	TS	CHK	MG	MG	TS	MG	CWF	MG	MG	MG	TS	MG	MG	MG
					Sample Ref	2	2	1	1	1	1	1	1	1	3	1	1	2	1	2	5	1	1	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg																				
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-CP-TP20	ARP16-CP-TP23	ARP16-CP-TP32	ARP16-CP-TP35	ARP16-CP-TP39	ARP16-CP-TP40	ARP16-CP-TP41	ARP16-CP-TP43	ARP16-CP-TP44	ARP16-CP-TP44	ARP16-CP-TP45	ARP16-CP-TP46	ARP16-CP-TP46	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP49	ARP16-CP-TP51	ARP16-CP-TP52	ARP16-CP-TP52	ARP16-CP-TP52
					Sample Top	1.00	0.30	0.10	0.20	0.20	0.10	0.10	0.20	0.00	2.00	0.10	0.05	0.30	0.00	0.25	1.80	0.10	0.00	0.45	1.65
					Lookup soil	HEAD	CWF	TS	TS	TS	TS	TS	CHK	MG	MG	TS	MG	CWF	MG	MG	MG	TS	MG	MG	MG
					Sample Ref	2	2	1	1	1	1	1	1	1	3	1	1	2	1	2	5	1	1	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg																				
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH05	ARP16-LF-BH05
					Sample Top	0.10	0.50	1.00	5.50	1.30	4.30	6.00	0.80	3.00	6.00	9.50	0.90	10.50	13.50	17.80	2.50	5.50	8.80	0.10	2.90
					Lookup soil	MG	MG	CWF	CKR	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	CHK	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MG-LF	MG-LF	MG	MG
					Sample Ref	1	2	3	4	1	2	3	1	2	3	4	1	5	6	8	2	3	4	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	0.0	<0.01	<0.01	<0.01
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg	<0.02	0.0	<0.02	<0.02	<0.02	<0.02	<0.02	0.3	<0.02	0.1	<0.02	0.4	<0.02	0.6	<0.02	0.2	0.1	<0.02	11.2	0.1
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg	0.2	0.2	<0.07	<0.07	0.1	<0.07	0.3	2.5	0.1	<0.07	<0.07	2.1	<0.07	2.8	<0.07	3.2	0.7	0.2	43.3	0.3
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg	0.1	0.1	<0.05	<0.05	0.1	<0.05	0.1	0.8	<0.05	<0.05	<0.05	0.6	<0.05	0.7	<0.05	2.0	0.3	0.1	9.7	0.2
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg	0.2	0.1	<0.03	<0.03	0.1	<0.03	0.1	0.8	<0.03	<0.03	<0.03	0.6	<0.03	0.7	<0.03	2.4	0.3	0.1	11.9	0.3
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg	0.2	0.1	<0.05	<0.05	0.1	<0.05	0.2	1.2	<0.05	<0.05	<0.05	1.2	<0.05	1.6	<0.05	4.2	0.6	0.2	18.8	0.4
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg	0.2	0.2	<0.08	<0.08	0.2	<0.08	0.3	2.4	0.1	<0.08	<0.08	2.5	<0.08	4.5	<0.08	3.0	1.0	0.2	45.9	0.4
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg	0.1	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.4	<0.07	<0.07	<0.07	0.5	<0.07	0.5	<0.07	1.3	0.2	0.1	7.9	0.2
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	0.0	<0.01	0.1	<0.01	0.0	0.0	<0.01	0.1	0.0
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg	0.2	0.1	<0.06	<0.06	0.1	<0.06	0.2	1.1	<0.06	<0.06	<0.06	1.2	<0.06	1.5	<0.06	2.8	0.5	0.2	21.2	0.3
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg	0.2	0.1	<0.04	<0.04	0.1	<0.04	0.2	1.0	<0.04	<0.04	<0.04	1.1	<0.04	1.2	<0.04	3.5	0.5	0.2	18.5	0.3
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	<0.04	<0.04	<0.04	0.1	<0.04	0.2	<0.04	0.4	0.1	<0.04	2.9	0.1
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg	0.1	0.1	<0.04	<0.04	0.1	<0.04	0.1	1.3	0.1	<0.04	<0.04	1.2	<0.04	1.5	<0.04	2.7	0.5	0.2	24.4	0.3
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg					<1	<1	<1	<1	8.0	<1	<1	<1	21.0	3.0	<1	<1	2.0	<1	<1	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	54.0	38.0	21.0	3.0	24.0	2.0	88.0	62.0	64.0	21.0	3.0	112.0	76.0	342.0	23.0	59.0	312.0	21.0	60.0	36.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.17	<0.17	<0.17	0.9	<0.17	0.9	0.8	0.6	0.3	<0.17	1.2	0.8	0.2	0.6	<0.17	0.8	9.3	<0.17	<0.17	0.3
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	24.0	25.0	32.0	9.0	10.0	4.0	11.0	16.0	32.0	26.0	22.0	22.0	56.0	97.0	35.0	32.0	43.0	26.0	12.0	13.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg					<5	<5	<5	<5	<5	<5	<5	<5	6.0	15.0	<5	<5	8.0	<5	<5	<5
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	8.0	7.0	5.0	<1	3.0	<1	2.0	6.0	10.0	10.0	<1	9.0	58.0	57.0	8.0	11.0	15.0	8.0	3.0	5.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg					<1	<1	<1	1.0	1.0	1.0	<1	1.0	4.0	8.0	2.0	1.0	2.0	1.0	1.0	1.0
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg					<1.0	<1.0	<1.0	2.8	<1.0	2.8	<1.0	1.6	8.6	20.0	2.8	2.5	4.7	5.1	<1.0	<1.0
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	2.5	2.0	2.3	0.6	<0.5	<0.5	1.0	1.2	2.1	2.1	0.6	1.4	2.1	3.8	2.2	1.6	3.7	1.7	1.2	1.2
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	33.0	25.0	30.0	10.0	15.0	3.0	12.0	21.0	28.0	45.0	11.0	21.0	29.0	42.0	47.0	31.0	83.0	30.0	11.0	20.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	19.0	17.0	19.0	6.0	4.0	3.0	19.0	19.0	19.0	13.0	6.0	174.0	86.0	438.0	21.0	35.0	127.0	8.0	32.0	20.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg					4.0	3.0	14.0	37.0	37.0	44.0	16.0	32.0	57.0	78.0	55.0	43.0	34.0	34.0	33.0	27.0
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	90.0	72.0	66.0	26.0	17.0	18.0	76.0	82.0	241.0	87.0	30.0	200.0	149.0	347.0	90.0	121.0	257.0	68.0	64.0	51.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	2.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	3.0	3.0	2.0	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	0.0	0.1	0.0	<0.01	<0.01	0.1	<0.01	0.1	<0.01	0.1	0.1	<0.01	5.0	<0.01
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg	0.1	0.1	<0.03	<0.03	<0.03	<0.03	0.1	0.9	0.1	0.0	<0.03	1.0	<0.03	2.5	<0.03	0.6	0.4	0.1	32.7	0.1
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.0	0.0	<0.01	<0.01	0.1	<0.01	0.3	<0.01	0.1	0.1	<0.01	3.4	<0.01
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.1	0.3	<0.03	0.1	0.0	<0.03	0.3	<0.03
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg					<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1.0	1.2
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units																				
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg		<0.01	<0.01	<0.01			<0.01		<0.01		<0.01		<0.05	<0.05	<0.01		<0.01			
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg		<0.1	<0.1	<0.1			1.3		<0.1		<0.1		1.7	9.9	<0.1		6.9			
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg		<0.1	<0.1	<0.1			10.8		<0.1		<0.1		7.4	10.0	<0.1		15.9			
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg		<0.1	<0.1	<0.1			9.3		2.2		<0.1		41.3	26.3	<0.1		46.0			
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg		<0.1	<0.1	<0.1			19.5		18.1		<0.1		<0.1	80.2	<0.1		85.8			
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg		<0.01	<0.01	<0.01			<0.01		<0.01		<0.01		<0.05	<0.05	<0.05		<0.05			
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg		<0.01	<0.01	<0.01			<0.01		<0.01		<0.01		<0.05	<0.05	<0.01		0.1			
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg		<0.01	<0.01	<0.01			<0.01		<0.01		<0.01		2.8	0.1	<0.01		0.2			
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg		<0.1	<0.1	<0.1			17.9		<0.1		<0.1		46.0	3.2	0.5		19.2			
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg		<0.1	<0.1	<0.1			29.2		<0.1		<0.1		11.4	3.9	2.5		67.6			
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg		<0.1	<0.1	<0.1			3.9		<0.1		<0.1		34.2	30.4	3.3		103.0			
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg		<0.1	<0.1	<0.1			8.9		<0.1		<0.1		103.0	131.0	0.8		222.0			
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg		<0.01	<0.01	<0.01			<0.01		<0.01		<0.01		<0.05	<0.05	<0.01		<0.01			
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

Appendix G

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH05	ARP16-LF-BH05
					Sample Top	0.10	0.50	1.00	5.50	1.30	4.30	6.00	0.80	3.00	6.00	9.50	0.90	10.50	13.50	17.80	2.50	5.50	8.80	0.10	2.90
					Lookup soil	MG	MG	CWF	CKR	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	CHK	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MG-LF	MG-LF	MG	MG
					Sample Ref	1	2	3	4	1	2	3	1	2	3	4	1	5	6	8	2	3	4	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg		<0.01	<0.01	<0.01			<0.01		<0.01		<0.01		<0.05	<0.05	<0.01		<0.01			
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg							<0.1										<0.1			
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	0.0	<0.01	<0.01	<0.01
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																				
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH05	ARP16-LF-BH05
					Sample Top	0.10	0.50	1.00	5.50	1.30	4.30	6.00	0.80	3.00	6.00	9.50	0.90	10.50	13.50	17.80	2.50	5.50	8.80	0.10	2.90
					Lookup soil	MG	MG	CWF	CKR	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	CHK	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MG-LF	MG-LF	MG	MG
					Sample Ref	1	2	3	4	1	2	3	1	2	3	4	1	5	6	8	2	3	4	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	0.0	<0.01	<0.01	<0.01
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg								<1	<1	<1		<1	<1	<1	<1	<1	<1	<1		<1
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		2.0			
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		2.0			
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg			<100				<100		<100		<100			137.0	<100		<100			
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg			<2				<2		<2		<2			<2	<2		<2			
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg			<100				436.0		<100		<100			<100	<100		1450.0			
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg			<3				<3		<3		<3			<3	<3		<3			
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg			<3				<3		<3		<3			<3	<3		<3			
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		2.0			
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		2190.0			
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg			<100				<100		<100		<100			221.0	<100		<100			
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		2.0			
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg			<100				<100		<100		<100			402.0	<100		215.0			
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH05	ARP16-LF-BH05
					Sample Top	0.10	0.50	1.00	5.50	1.30	4.30	6.00	0.80	3.00	6.00	9.50	0.90	10.50	13.50	17.80	2.50	5.50	8.80	0.10	2.90
					Lookup soil	MG	MG	CWF	CKR	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	CHK	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MG-LF	MG-LF	MG	MG
					Sample Ref	1	2	3	4	1	2	3	1	2	3	4	1	5	6	8	2	3	4	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg																				
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg			<10				<10		<10		<10			<10	<10		<10			
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg			<5				<5		<5		<5			<5	<5		<5			
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg			<5				<5		<5		<5			<5	<5		<5			
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg			<1				1.0		<1		<1			4.0	2.0		9.0			
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg			<10				<10		<10		<10			<10	<10		<10			
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg			<100				<100		<100		<100			321.0	<100		2300.0			
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg			<100				<100		<100		<100			194.0	<100		<100			
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg			<3				<3		<3		<3			<3	<3		<3			
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		1.0			
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg			<100				<100		<100		<100			316.0	<100		<100			
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg			<1				<1		<1		<1			1.0	<1		1.0			
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg			<2				<2		<2		<2			<2	<2		<2			
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		<1			
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg			<2				<2		<2		<2			<2	<2		<2			
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg			<1				<1		<1		<1			<1	<1		1.0			
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg			<100				<100		<100		<100			<100	<100		<100			
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg			<1				<1		32.0		<1			<1	<1		<1			
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg			<1				<1		<1		<1			1.0	<1		6.0			
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg		<0.01	<0.01	<0.01			<0.01		<0.01		<0.01		<0.05	<0.05	<0.01		0.1			
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg		<0.01	<0.01	<0.01			<0.01		<0.01		<0.01		0.2	<0.05	<0.01		0.1			
P1334	pH	SOLID	#N/A	mg/kg	pH	7.1	7.7	7.8	8.2	8.5	8.4	8.2	10.9	8.1	8.0	8.4	8.1	8.6	8.4	8.4	8.2	8.0	8.7	9.2	7.8
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg							<10										<10			
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH05	ARP16-LF-BH05
					Sample Top	0.10	0.50	1.00	5.50	1.30	4.30	6.00	0.80	3.00	6.00	9.50	0.90	10.50	13.50	17.80	2.50	5.50	8.80	0.10	2.90
					Lookup soil	MG	MG	CWF	CKR	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	CHK	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MG-LF	MG-LF	MG	MG
					Sample Ref	1	2	3	4	1	2	3	1	2	3	4	1	5	6	8	2	3	4	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH05	ARP16-LF-BH05
					Sample Top	0.10	0.50	1.00	5.50	1.30	4.30	6.00	0.80	3.00	6.00	9.50	0.90	10.50	13.50	17.80	2.50	5.50	8.80	0.10	2.90
					Lookup soil	MG	MG	CWF	CKR	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	CHK	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MG-LF	MG-LF	MG	MG
					Sample Ref	1	2	3	4	1	2	3	1	2	3	4	1	5	6	8	2	3	4	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg							<10										<10			
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg							<10										<10			
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg							<0.1										<0.1			
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg							<50										<50			
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg							<0.1		<0.1		<0.1		<0.1	0.5	<0.1		<0.1			
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg							2.5		<0.1		<0.1		<0.1	1.2	<0.1		6.8			
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg																				
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg																				
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg																				
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg																				
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg																				
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg																				
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg																				
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg																				
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg																				
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg																				
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg																				
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg																				
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units																				
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units																				
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH05	ARP16-LF-BH05
					Sample Top	0.10	0.50	1.00	5.50	1.30	4.30	6.00	0.80	3.00	6.00	9.50	0.90	10.50	13.50	17.80	2.50	5.50	8.80	0.10	2.90
					Lookup soil	MG	MG	CWF	CKR	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	CHK	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MG-LF	MG-LF	MG	MG
					Sample Ref	1	2	3	4	1	2	3	1	2	3	4	1	5	6	8	2	3	4	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg																				
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH05	ARP16-LF-BH05
					Sample Top	0.10	0.50	1.00	5.50	1.30	4.30	6.00	0.80	3.00	6.00	9.50	0.90	10.50	13.50	17.80	2.50	5.50	8.80	0.10	2.90
					Lookup soil	MG	MG	CWF	CKR	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	CHK	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MG-LF	MG-LF	MG	MG
					Sample Ref	1	2	3	4	1	2	3	1	2	3	4	1	5	6	8	2	3	4	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg																				
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH10	ARP16-LF-BH10
					Sample Top	10.50	2.00	5.00	8.00	1.50	12.55	15.20	3.50	6.00	15.40	18.40	3.40	6.40	9.40	0.40	3.40	6.40	9.40	0.25	1.00
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG	MG
					Sample Ref	4	1	2	3	1	5	6	2	3	6	7	2	3	4	1	2	3	4	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.6	0.1	<0.01	<0.01	<0.01	<0.01	1.3		<0.01	0.1	<0.01	<0.01	<0.01
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		<0.01	<0.01	<0.01	<0.01	<0.01
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg	<0.02	0.5	<0.02	<0.02	0.4	0.2	0.6	2.9	5.8	0.5	<0.02	14.8		0.8		<0.02	0.1	<0.02	0.2	0.1
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg	<0.07	2.7	0.2	<0.07	2.8	0.6	1.7	9.6	22.3	1.4	0.1	28.5		2.8		0.2	0.1	0.1	0.9	0.2
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg	<0.05	0.9	0.1	<0.05	0.6	0.2	0.2	1.2	3.6	0.3	0.1	2.6		0.9		0.1	<0.05	<0.05	0.5	0.1
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg	<0.03	1.1	0.1	<0.03	0.8	0.2	0.2	1.5	4.7	0.3	0.1	3.4		1.0		0.1	0.0	<0.03	0.6	0.1
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg	<0.05	2.1	0.2	<0.05	1.5	0.5	0.5	3.4	11.0	0.6	0.2	10.1		2.2		<0.05	0.1	0.1	0.7	0.1
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg	<0.08	3.4	0.2	<0.08	3.5	0.9	2.1	13.0	25.1	1.7	0.2	37.4		3.7		0.2	0.3	0.3	1.0	0.2
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg	<0.07	0.7	0.1	<0.07	0.7	0.3	0.2	1.5	3.5	0.2	<0.07	3.6		0.7		<0.07	<0.07	<0.07	0.3	<0.07
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg	<0.01	0.1	<0.01	<0.01	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.3		0.1		<0.01	<0.01	<0.01	0.0	<0.01
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg	<0.06	2.1	0.2	<0.06	1.6	0.3	0.6	3.6	9.4	0.6	0.1	12.0		1.3		0.2	0.1	0.1	0.6	0.1
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg	<0.04	1.8	0.1	<0.04	1.3	0.2	0.4	2.6	8.9	0.5	0.1	7.6		1.1		0.1	0.1	0.1	0.7	0.1
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg	<0.04	0.2	<0.04	<0.04	0.1	<0.04	<0.04	0.3	0.7	0.1	<0.04	0.9		0.3		<0.04	<0.04	<0.04	0.1	<0.04
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg	<0.04	2.0	0.1	<0.04	1.5	0.2	0.6	3.7	12.7	0.6	0.1	13.9		1.4		0.1	0.1	0.1	0.6	0.1
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1	<1	<1	<1	<1	1.0	<1	<1	<1	<1	1.0	<1	2.0	8.0	<1	<1	1.0	4.0	<1	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		<0.01	0.0	<0.01	<0.01	<0.01
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	160.0	103.0	258.0	41.0	52.0	272.0	140.0	52.0	148.0	10.0	242.0	62.0	20.0	145.0	15.0	143.0	15700.0	492.0	33.0	52.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.17	<0.17	0.5	<0.17	<0.17	<0.17	0.6	<0.17	<0.17	1.0	1.2	0.6	0.6	0.4	0.6	<0.17	<0.17	0.3	<0.17	<0.17
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	26.0	37.0	69.0	22.0	22.0	28.0	20.0	42.0	751.0	9.0	71.0	30.0	20.0	152.0	19.0	36.0	40.0	108.0	15.0	18.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	15.0	<5	18.0	<5	<5	5.0	<5	<5	13.0	<5	14.0	<5	<5	22.0	<5	<5	11.0	22.0	<5	<5
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	7.0	6.0	17.0	4.0	7.0	13.0	5.0	16.0	33.0	3.0	52.0	10.0	6.0	12.0	2.0	13.0	11.0	53.0	9.0	8.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.0	2.0	2.0	1.0	1.0	1.0	<1	1.0	2.0	<1	7.0	1.0	1.0	1.0	<1	2.0	<1	8.0	1.0	<1
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	2.1	2.2	5.4	6.7	1.9	8.4	4.9	3.1	2.3	3.8	13.0	2.5	2.0	6.5	<1.0	3.3	7.4	13.2	<1.0	1.5
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	2.7	2.2	6.0	1.8	3.2	2.3	1.3	2.5	7.6	<0.5	3.9	2.1	0.9	9.9	0.7	1.9	1.3	6.0	1.1	1.3
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	39.0	33.0	47.0	32.0	27.0	218.0	17.0	90.0	476.0	9.0	37.0	36.0	23.0	95.0	14.0	29.0	23.0	50.0	25.0	22.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	35.0	33.0	176.0	17.0	23.0	85.0	160.0	43.0	314.0	8.0	2030.0	29.0	13.0	457.0	10.0	38.0	39.0	472.0	17.0	20.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	47.0	49.0	19.0	41.0	34.0	28.0	17.0	33.0	53.0	10.0	56.0	45.0	36.0	54.0	18.0	36.0	23.0	61.0	34.0	38.0
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	103.0	145.0	527.0	58.0	117.0	2240.0	117.0	277.0	157.0	30.0	1700.0	117.0	46.0	631.0	58.0	263.0	35.0	515.0	55.0	82.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	1.0	<1	<1	1.0	<1	1.0	3.0	<1	2.0	<1	<1	3.0	<1	<1	<1	2.0	1.0	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg	<0.01	0.1	0.0	<0.01	0.1	0.2	0.6	5.3	3.6	0.8	<0.01	35.8		0.8		0.0	0.1	<0.01	0.0	<0.01
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg	0.1	2.4	<0.03	<0.03	1.4	0.4	2.3	12.8	16.1	2.0	0.0	57.0		2.5		0.1	0.3	<0.03	0.6	0.2
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg	<0.01	0.2	0.0	<0.01	0.1	0.1	0.8	4.2	3.1	0.5	<0.01	28.6		0.7		0.0	0.2	<0.01	0.1	<0.01
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg	0.1	0.0	<0.03	<0.03	<0.03	0.6	1.7	1.4	3.2	<0.03	0.0	33.9		0.6		<0.03	9.8	0.1	<0.03	<0.03
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units																				
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg			<0.01		<0.01		<0.01	<0.01				<0.01	<0.01	<0.05			<0.01	<0.01	<0.01	
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg			<0.1		<0.1		0.5	1.5				20.7	7.2	18.9			45.8	0.9	<0.1	
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg			<0.1		<0.1		2.2	21.7				89.7	6.8	31.5			16.2	6.5	0.2	
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg			<0.1		<0.1		22.9	36.7				138.0	53.0	314.0			21.5	51.8	2.3	
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg			<0.1		<0.1		134.0	65.4				213.0	176.0	943.0			32.4	217.0	33.0	
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg			<0.01		<0.01		<0.01	<0.01				<0.05	<0.05	<0.05			<0.01	<0.01	<0.01	
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg			<0.01		<0.01		0.0	0.1				0.0	0.0	0.1			<0.01	0.0	<0.01	
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg			0.0		<0.01		1.1	0.2				0.2	0.3	2.3			0.2	0.1	<0.01	
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg			<0.1		<0.1		22.7	1.2				12.6	5.4	24.4			17.8	16.9	<0.1	
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg			<0.1		<0.1		21.7	7.1				33.7	13.1	138.0			15.5	1.7	<0.1	
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg			<0.1		<0.1		116.0	37.4				26.5	97.8	1070.0			17.5	41.8	<0.1	
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg			<0.1		<0.1		942.0	213.0				121.0	278.0	3070.0			47.8	528.0	<0.1	
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg			<0.01		<0.01		<0.01	<0.01				<0.01	<0.01	<0.05			0.0	<0.01	<0.01	
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH10	ARP16-LF-BH10
					Sample Top	10.50	2.00	5.00	8.00	1.50	12.55	15.20	3.50	6.00	15.40	18.40	3.40	6.40	9.40	0.40	3.40	6.40	9.40	0.25	1.00
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG	MG
					Sample Ref	4	1	2	3	1	5	6	2	3	6	7	2	3	4	1	2	3	4	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01		<0.01		<0.01	<0.01				<0.01	<0.01	<0.05			<0.01	<0.01	<0.01	
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.1	0.2	0.0	<0.01	<0.01	<0.01	<0.01	0.6		<0.01	0.0	<0.01	<0.01	<0.01
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																				
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH10	ARP16-LF-BH10
					Sample Top	10.50	2.00	5.00	8.00	1.50	12.55	15.20	3.50	6.00	15.40	18.40	3.40	6.40	9.40	0.40	3.40	6.40	9.40	0.25	1.00
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG	MG
					Sample Ref	4	1	2	3	1	5	6	2	3	6	7	2	3	4	1	2	3	4	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	0.1	<0.01	<0.01	<0.01	<0.01	3.0	0.4	2.4	0.3	<0.01	<0.01	<0.01	0.0	5.0		<0.01	0.1	<0.01	<0.01	<0.01
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1		<1	<1		<1	<1	<1	<1		<1	<1	<1	<1	<1
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg			<1					550.0	7.0			<1		635.0	<1		9.0	<1	<1	
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg			<1					10.0	<5			<1		15.0	<1		11.0	<1	<1	
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg			<1					4.0	<5			<1		<1	<1		10.0	<1	<1	
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg			<1					7.0	<5			<1		2.0	<1		38.0	<1	<1	
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg			<2					<2	<10			<2		<2	<2		<2	<2	<2	
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg			<1					20.0	<5			<1		123.0	<1		<1	<1	<1	
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg			<1					1.0	<5			<1		2.0	<1		1.0	1.0	<1	
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		42.0	<1	<1	
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg			<100					174.0	<1000			182.0		6020.0	<100		<100	2050.0	<100	
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg			<3					<3	<15			<3		<3	<3		<3	<3	<3	
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg			<3					<3	<15			<3		<3	<3		<3	<3	<3	
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg			<100					3530.0	3010.0			31400.0		314.0	<100		128.0	<100	<100	
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg			<1					1.0	<5			1.0		6.0	<1		3.0	<1	<1	
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg			167.0					1830.0	3530.0			4530.0		403.0	<100		<100	<100	284.0	
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		3.0	<1	<1	
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg			<1					<1	<5			<1		1.0	<1		6.0	<1	<1	

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH10	ARP16-LF-BH10
					Sample Top	10.50	2.00	5.00	8.00	1.50	12.55	15.20	3.50	6.00	15.40	18.40	3.40	6.40	9.40	0.40	3.40	6.40	9.40	0.25	1.00
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG	MG
					Sample Ref	4	1	2	3	1	5	6	2	3	6	7	2	3	4	1	2	3	4	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg																				
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg			<10					<10	<50			<10		<10	<10		<10	<10	<10	
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg			<5					<5	<25			<5		<5	<5		<5	<5	<5	
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg			11.0					<5	<25			<5		<5	<5		<5	<5	<5	
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg			<1					6.0	<5			1.0		6.0	<1		4.0	7.0	<1	
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg			<10					<10	<50			<10		<10	<10		<10	<10	<10	
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg			<1					25.0	<5			<1		<1	<1		<1	<1	<1	
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg			<100					<100	<1000			<100		374.0	<100		364.0	3960.0	<100	
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg			<100					<100	<1000			<100		10000.0	<100		<100	<100	<100	
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg			<100					598.0	3110.0			6480.0		248.0	<100		<100	<100	<100	
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg			<3					<3	<15			<3		<3	<3		<3	<3	<3	
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg			<100					1170.0	1800.0			30800.0		494.0	<100		1340.0	<100	<100	
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg			<1					81.0	<5			<1		216.0	<1		3.0	<1	<1	
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg			<1					1.0	<5			<1		3.0	<1		165.0	<1	<1	
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg			<1					48.0	<5			12.0		308.0	<1		100.0	1.0	<1	
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg			<2					<2	<10			<2		<2	<2		<2	<2	<2	
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg			<1					<1	<5			<1		<1	<1		<1	<1	<1	
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg			<2					<2	<10			<2		3.0	<2		<2	<2	<2	
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg			<1					9.0	<5			<1		35.0	<1		4.0	<1	<1	
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg			<100					<100	<1000			<100		<100	<100		<100	<100	<100	
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg			<1					66.0	<5			2.0		10.0	<1		<1	<1	<1	
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg			<1					3140.0	34.0			<1		2110.0	<1		11.0	<1	<1	
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg			<0.01		<0.01		0.5	3.1				<0.01	0.0	7.0			0.1	<0.01	<0.01	
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg			0.0		<0.01		1.1	0.5				0.1	0.3	3.2			1.1	0.0	<0.01	
P1334	pH	SOLID	#N/A	mg/kg	pH	8.0	7.8	7.7	7.7	7.8	8.1	8.6	8.4	8.2	8.6	8.2	8.1	8.2	8.5	8.0	7.8	8.4	8.1	8.2	8.0
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg			<10					<10				<10					<10			
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH10	ARP16-LF-BH10
					Sample Top	10.50	2.00	5.00	8.00	1.50	12.55	15.20	3.50	6.00	15.40	18.40	3.40	6.40	9.40	0.40	3.40	6.40	9.40	0.25	1.00
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG	MG
					Sample Ref	4	1	2	3	1	5	6	2	3	6	7	2	3	4	1	2	3	4	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50									<50					<50			
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH10	ARP16-LF-BH10
					Sample Top	10.50	2.00	5.00	8.00	1.50	12.55	15.20	3.50	6.00	15.40	18.40	3.40	6.40	9.40	0.40	3.40	6.40	9.40	0.25	1.00
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG	MG
					Sample Ref	4	1	2	3	1	5	6	2	3	6	7	2	3	4	1	2	3	4	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg			<10					<10				<10					<10			
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg			<10					<10				<10					<10			
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg			<0.1					<0.1				<0.1					<0.1			
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg			<50					<50				<50					<50			
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg			<0.1		<0.1		4.0	1.2				2.6	1.1	22.9			16.5	81.0	7.4	
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg			<0.1		<0.1		96.7	2.7				21.9	4.4	116.0			26.1	400.0	<0.1	
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg															<100					
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg															<100					
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg															<100					
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg															<100					
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg															149.0					
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg															<100					
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg															<100					
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg															<100					
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg															<100					
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg															171.0					
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg															<100					
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg															<100					
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg															<100					
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg															<100					
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg															<100					
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg															<100					
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg																				
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units																				
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units																				
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Sample Type	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH10	ARP16-LF-BH10
					Hole Ref																				
					Sample Top	10.50	2.00	5.00	8.00	1.50	12.55	15.20	3.50	6.00	15.40	18.40	3.40	6.40	9.40	0.40	3.40	6.40	9.40	0.25	1.00
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG	MG
					Sample Ref	4	1	2	3	1	5	6	2	3	6	7	2	3	4	1	2	3	4	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg																				
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH06	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH07	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH09	ARP16-LF-BH10	ARP16-LF-BH10
					Sample Top	10.50	2.00	5.00	8.00	1.50	12.55	15.20	3.50	6.00	15.40	18.40	3.40	6.40	9.40	0.40	3.40	6.40	9.40	0.25	1.00
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG	MG
					Sample Ref	4	1	2	3	1	5	6	2	3	6	7	2	3	4	1	2	3	4	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg																				
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH11	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12A	ARP16-LF-BH12A	ARP16-LF-BH12A	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102
					Sample Top	4.00	7.00	0.15	0.50	3.50	6.50	1.00	4.00	7.00	0.00	9.60	0.30	0.70	1.60	2.50	0.40	1.50	2.50	6.00	6.50
					Lookup soil	MG	HEAD	MG	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG	CHK	MG	MG	MG	CHK	MG	MG	MG	CHK	CHK
					Sample Ref	3	4	1	1	2	3	1	2	3	1	4	1	2	3	4	1	2	3	1	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg	0.1	<0.02	<0.02	0.2	0.1	0.3	0.0	9.0	0.1		<0.02	<0.02		<0.02		5.4	0.1	<0.02	<0.02	<0.02
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg	1.6	<0.07	<0.07	3.2	1.7	2.3	0.2	23.4	0.4		<0.07	<0.07		0.2		20.9	1.2	<0.07	<0.07	<0.07
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg	0.8	<0.05	<0.05	1.0	0.4	0.6	<0.05	3.3	0.2		<0.05	<0.05		0.1		6.1	0.6	<0.05	<0.05	<0.05
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg	1.1	0.0	<0.03	1.5	0.6	0.8	0.1	5.6	0.2		<0.03	<0.03		0.1		7.3	0.7	<0.03	<0.03	<0.03
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg	1.5	<0.05	<0.05	2.6	1.0	1.3	0.1	12.4	0.3		<0.05	<0.05		0.2		14.7	1.4	<0.05	<0.05	<0.05
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg	1.7	<0.08	<0.08	3.5	1.8	3.0	0.2	26.7	0.5		<0.08	<0.08		0.3		22.4	1.3	<0.08	<0.08	<0.08
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg	0.6	<0.07	<0.07	1.0	0.4	0.5	<0.07	4.8	0.2		<0.07	<0.07		0.1		5.3	0.4	<0.07	<0.07	<0.07
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg	0.1	<0.01	<0.01	0.0	<0.01	0.0	<0.01	2.6	<0.01		<0.01	<0.01		<0.01		0.6	0.1	<0.01	<0.01	<0.01
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg	1.2	<0.06	<0.06	2.3	0.8	0.9	0.1	11.2	0.3		<0.06	<0.06		0.2		10.7	0.9	<0.06	<0.06	<0.06
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg	1.4	<0.04	<0.04	2.3	0.8	1.0	0.1	10.4	0.3		<0.04	<0.04		0.2		13.1	1.1	<0.04	<0.04	<0.04
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg	0.2	<0.04	<0.04	0.2	0.1	0.1	<0.04	0.8	<0.04		<0.04	<0.04		<0.04		1.6	0.2	<0.04	<0.04	<0.04
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg	1.2	<0.04	<0.04	2.3	0.8	1.0	0.1	14.3	0.3		<0.04	<0.04		0.2		10.6	0.8	<0.04	<0.04	<0.04
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	2.0	<1	<1	<1	3.0	6.0	1.0	44.0	1.0			<1	<1	<1	<1	<1	<1	<1	<1	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	91.0	5.0	44.0	134.0	177.0	811.0	36.0	159.0	108.0	35.0	3.0	7.0	25.0	17.0	4.0	196.0	36.0	10.0	2.0	5.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	1.0	0.7	<0.17	0.3	1.0	0.6	0.2	0.2	<0.17	0.3	1.0	<0.17	<0.17	<0.17	0.4	<0.17	<0.17	<0.17	0.4	0.3
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	19.0	16.0	18.0	22.0	50.0	52.0	30.0	26.0	32.0	27.0	9.0	8.0	12.0	16.0	10.0	27.0	19.0	16.0	3.0	8.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	<5	<5	<5	<5	<5	93.0	<5	<5	<5			<5	<5	<5	<5	<5	<5	<5	<5	<5
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	9.0	2.0	5.0	10.0	12.0	8.0	7.0	24.0	14.0	4.0	1.0	<1	7.0	4.0	<1	9.0	7.0	7.0	<1	3.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.0	<1	1.0	1.0	3.0	2.0	1.0	1.0	2.0	1.0	<1	<1	<1	1.0	<1	2.0	1.0	1.0	<1	<1
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	1.1	<1.0	<1.0	1.7	4.4	19.3	1.2	1.3	4.8	<1.0	<1.0	<1.0	1.5	1.9	<1.0	2.5	2.5	1.0	<1.0	<1.0
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.9	0.6	1.3	1.4	3.0	2.0	1.7	1.6	2.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.5	0.7	0.6	<0.5	<0.5
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	15.0	12.0	25.0	21.0	36.0	48.0	44.0	28.0	33.0	30.0	7.0	9.0	13.0	19.0	4.0	22.0	24.0	21.0	3.0	11.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	185.0	9.0	17.0	71.0	96.0	412.0	65.0	33.0	200.0	25.0	6.0	8.0	11.0	10.0	5.0	107.0	19.0	7.0	3.0	7.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	19.0	16.0	29.0	39.0	44.0	46.0	64.0	46.0	47.0	45.0	10.0	23.0	28.0	20.0	4.0	32.0	28.0	25.0	3.0	9.0
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	192.0	35.0	77.0	117.0	371.0	497.0	82.0	113.0	171.0	75.0	34.0	23.0	34.0	33.0	14.0	205.0	58.0	22.0	10.0	11.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	2.0	3.0	2.0	2.0	2.0	2.0	2.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg	<0.01	<0.01	<0.01	0.0	<0.01	0.2	<0.01	2.1	0.0		<0.01	<0.01		<0.01		0.9	0.0	<0.01	<0.01	<0.01
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg	0.4	<0.03	<0.03	0.7	0.4	1.2	0.1	24.2	0.2		<0.03	<0.03		0.1		14.4	0.4	<0.03	<0.03	<0.03
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg	<0.01	<0.01	<0.01	0.0	<0.01	0.3	<0.01	6.6	0.0		<0.01	<0.01		<0.01		1.5	0.0	<0.01	<0.01	<0.01
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03	0.0	<0.03	2.1	<0.03		<0.03	<0.03		<0.03		0.4	<0.03	<0.03	<0.03	<0.03
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units																				
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg	<0.01					<0.01					<0.01			<0.01		<0.01		<0.01	<0.01	<0.01
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg	<0.1					0.4					<0.1			<0.1		1.2		<0.1	<0.1	<0.1
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg	1.8					1.1					<0.1			<0.1		3.1		<0.1	<0.1	<0.1
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg	5.3					17.6					<0.1			<0.1		36.7		<0.1	<0.1	<0.1
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg	17.5					82.9					<0.1			<0.1		231.0		<0.1	<0.1	<0.1
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg	<0.01					<0.01					<0.01			<0.01		<0.01		<0.01	<0.01	<0.01
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg	<0.01					<0.01					<0.01			<0.01		<0.01		<0.01	<0.01	<0.01
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg	<0.01					0.2					<0.01			<0.01		<0.01		<0.01	<0.01	<0.01
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg	<0.1					8.0					<0.1			<0.1		0.4		<0.1	<0.1	<0.1
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg	<0.1					3.7					<0.1			<0.1		8.9		<0.1	<0.1	<0.1
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	<0.1					41.4					<0.1			<0.1		20.5		<0.1	<0.1	<0.1
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	<0.1					111.0					<0.1			<0.1		184.0		<0.1	<0.1	<0.1
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg	<0.01					<0.01					<0.01			<0.01		<0.01		<0.01	<0.01	<0.01
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH11	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12A	ARP16-LF-BH12A	ARP16-LF-BH12A	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102
					Sample Top	4.00	7.00	0.15	0.50	3.50	6.50	1.00	4.00	7.00	0.00	9.60	0.30	0.70	1.60	2.50	0.40	1.50	2.50	6.00	6.50
					Lookup soil	MG	HEAD	MG	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG	CHK	MG	MG	MG	CHK	MG	MG	MG	CHK	CHK
					Sample Ref	3	4	1	1	2	3	1	2	3	1	4	1	2	3	4	1	2	3	1	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01					<0.01					<0.01			<0.01		<0.01		<0.01	<0.01	<0.01
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.1					<0.1														
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																				
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH11	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12A	ARP16-LF-BH12A	ARP16-LF-BH12A	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102
					Sample Top	4.00	7.00	0.15	0.50	3.50	6.50	1.00	4.00	7.00	0.00	9.60	0.30	0.70	1.60	2.50	0.40	1.50	2.50	6.00	6.50
					Lookup soil	MG	HEAD	MG	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG	CHK	MG	MG	MG	CHK	MG	MG	MG	CHK	CHK
					Sample Ref	3	4	1	1	2	3	1	2	3	1	4	1	2	3	4	1	2	3	1	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg			<1	<1	<1	<1	<1	<1	<1											
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg		<100				<100												<100		<100
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg		<1				<1												<1		<1
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg		<1				<1												<1		<1
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg		<1				3.0												<1		<1
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg		<1				4.0												<1		<1
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg		<100				<100												<100		<100
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg		<100				<100												<100		<100
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg		<1				<1												<1		<1
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg		<2				<2												<2		<2
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg		<1				<1												<1		<1
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg		<1				1.0												<1		<1
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg		<1				<1												<1		<1
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg		<100				<100												<100		<100
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg		<100				<100												<100		<100
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg		<100				<100												<100		<100
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg		<100				<100												<100		<100
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg		<100				350.0												<100		<100
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg	<50	<100				<100												<100		<100
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg		<3				<3												<3		<3
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg		<100				<100												<100		<100
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg		<100				<100												<100		<100
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg		<3				<3												<3		<3
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg		<1				<1												<1		<1
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg		<100				<100												<100		<100
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg		<100				<100												<100		<100
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg		<1				6.0												<1		<1
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg		<1				<1												<1		<1
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg		<100				488.0												<100		<100
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg		<100				<100												<100		<100
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg		<1				<1												<1		<1
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg		<1				<1												<1		<1
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg		<100				<100												<100		<100
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg		<100				<100												<100		<100
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg		<100				<100												<100		<100
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg		<100				<100												<100		<100
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg		<1				<1												<1		<1

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH11	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12A	ARP16-LF-BH12A	ARP16-LF-BH12A	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102
					Sample Top	4.00	7.00	0.15	0.50	3.50	6.50	1.00	4.00	7.00	0.00	9.60	0.30	0.70	1.60	2.50	0.40	1.50	2.50	6.00	6.50
					Lookup soil	MG	HEAD	MG	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG	CHK	MG	MG	MG	CHK	MG	MG	MG	CHK	CHK
					Sample Ref	3	4	1	1	2	3	1	2	3	1	4	1	2	3	4	1	2	3	1	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg										114.0	21.0									
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg		<10				<10												<10		<10
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg		<5				<5												<5		<5
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg		<5				<5												<10		<10
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg		<1				7.0												<1		<1
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg		<10				<10												<10		<10
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg		<1				<1												<1		<1
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg		<1				<1												<1		<1
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg		<100				<100												<100		<100
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg		<100				<100												<100		<100
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg		<1				<1												<1		<1
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg		<1				<1												<1		<1
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg		<100				<100												<100		<100
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg		<100				<100												<100		<100
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg		<100				<100												<100		<100
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg		<100				<100												<100		<100
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg		<3				<3												<3		<3
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg		<100				<100												<100		<100
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg		<100				<100												<100		<100
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg		<100				<100												<100		<100
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg		<100				<100												<100		<100
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg		<100				<100												<100		<100
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg		<1				1.0												<1		<1
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg		<100				<100												<100		<100
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg		<1				<1												<1		<1
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg		<1				<1												<1		<1
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg		<100				<100												<100		<100
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg		<1				1.0												<1		<1
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg		<100				<100												<100		<100
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg		<2				<2												<2		<2
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg		<1				<1												1.0		<1
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg		<2				<2												<2		<2
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg		<1				3.0												<1		<1
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg		<100				<100												<100		<100
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg		<1				1.0												<1		<1
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg		<1				4.0												<1		<1
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg	<0.01					<0.01					<0.01			<0.01		<0.01		<0.01	<0.01	<0.01
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg	<0.01					0.1					<0.01			<0.01		<0.01		<0.01	<0.01	<0.01
P1334	pH	SOLID	#N/A	mg/kg	pH	8.1	8.0	7.2	8.1	8.0	8.2	7.9	7.8	7.9			11.7	11.2	10.1	8.5	8.4	8.0	8.3	9.0	8.6
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg	<10					<10														
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH11	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12A	ARP16-LF-BH12A	ARP16-LF-BH12A	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102
					Sample Top	4.00	7.00	0.15	0.50	3.50	6.50	1.00	4.00	7.00	0.00	9.60	0.30	0.70	1.60	2.50	0.40	1.50	2.50	6.00	6.50
					Lookup soil	MG	HEAD	MG	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG	CHK	MG	MG	MG	CHK	MG	MG	MG	CHK	CHK
					Sample Ref	3	4	1	1	2	3	1	2	3	1	4	1	2	3	4	1	2	3	1	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH11	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12A	ARP16-LF-BH12A	ARP16-LF-BH12A	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102
					Sample Top	4.00	7.00	0.15	0.50	3.50	6.50	1.00	4.00	7.00	0.00	9.60	0.30	0.70	1.60	2.50	0.40	1.50	2.50	6.00	6.50
					Lookup soil	MG	HEAD	MG	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG	CHK	MG	MG	MG	CHK	MG	MG	MG	CHK	CHK
					Sample Ref	3	4	1	1	2	3	1	2	3	1	4	1	2	3	4	1	2	3	1	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg	<10					<10														
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg	<10					<10														
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg	<0.1					<0.1														
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg	<50					<50														
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg	<0.1					12.1					<0.1			<0.1		50.4		<0.1	<0.1	<0.1
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg	<0.1					34.6					<0.1			<0.1		76.3		<0.1	<0.1	<0.1
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg																				
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg																				
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg																				
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg																				
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg																				
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg																				
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg																				
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg																				
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg																				
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg																				
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg																				
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg								<5												
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg																				
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units																				
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units																				
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH11	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12A	ARP16-LF-BH12A	ARP16-LF-BH12A	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102
					Sample Top	4.00	7.00	0.15	0.50	3.50	6.50	1.00	4.00	7.00	0.00	9.60	0.30	0.70	1.60	2.50	0.40	1.50	2.50	6.00	6.50
					Lookup soil	MG	HEAD	MG	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG	CHK	MG	MG	MG	CHK	MG	MG	MG	CHK	CHK
					Sample Ref	3	4	1	1	2	3	1	2	3	1	4	1	2	3	4	1	2	3	1	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg																				
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH11	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12	ARP16-LF-BH12A	ARP16-LF-BH12A	ARP16-LF-BH12A	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH101	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH102
					Sample Top	4.00	7.00	0.15	0.50	3.50	6.50	1.00	4.00	7.00	0.00	9.60	0.30	0.70	1.60	2.50	0.40	1.50	2.50	6.00	6.50
					Lookup soil	MG	HEAD	MG	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG	CHK	MG	MG	MG	CHK	MG	MG	MG	CHK	CHK
					Sample Ref	3	4	1	1	2	3	1	2	3	1	4	1	2	3	4	1	2	3	1	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg																				
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH103	ARP16-MPT-BH103	ARP16-MPT-BH104	ARP16-MPT-BH104	ARP16-MPT-BH106	ARP16-MPT-BH106	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH111
					Sample Top	7.00	8.00	0.30	0.60	0.30	1.00	0.30	0.50	0.30	1.00	1.80	0.10	0.80	3.50	0.10	0.25	11.00	0.30	0.60	1.20
					Lookup soil	CHK	CHK	MG	MG	MG	CHK	TS	CHK	HEAD	HEAD	HEAD	MG	HEAD	HEAD	MG	MG	CHK	MG	MG	CWF
					Sample Ref	2	3	1	2	1	2	1	2	1	2	3	1	2	3	1	2	3	1	2	3
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg	<0.02	<0.02	0.3	<0.02	<0.02	<0.02						<0.02	0.2	<0.02	0.6	0.1	<0.02	<0.20	<0.02	<0.02
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg	<0.07	<0.07	2.9	<0.07	0.2	<0.07						<0.07	0.4	<0.07	6.0	0.3	<0.07	<0.70	<0.07	<0.07
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg	<0.05	<0.05	1.3	<0.05	0.1	<0.05						<0.05	0.1	<0.05	2.1	0.1	<0.05	<0.50	<0.05	<0.05
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg	<0.03	<0.03	1.5	<0.03	0.1	<0.03						<0.03	0.1	<0.03	2.4	0.1	<0.03	<0.30	<0.03	<0.03
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg	<0.05	<0.05	3.0	<0.05	0.2	<0.05						<0.05	0.1	<0.05	4.1	0.2	<0.05	<0.50	<0.05	<0.05
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg	<0.08	<0.08	2.8	<0.08	0.1	<0.08						<0.08	0.5	<0.08	7.0	0.3	<0.08	<0.80	<0.08	<0.08
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg	<0.07	<0.07	1.0	<0.07	<0.07	<0.07						<0.07	<0.07	<0.07	1.3	<0.07	<0.07	<0.70	<0.07	<0.07
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg	<0.01	<0.01	0.2	<0.01	<0.01	<0.01						<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.10	<0.01	<0.01
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg	<0.06	<0.06	1.9	<0.06	0.1	<0.06						<0.06	0.2	<0.06	3.4	0.2	<0.06	<0.60	<0.06	<0.06
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg	<0.04	<0.04	2.5	<0.04	0.1	<0.04						<0.04	0.1	<0.04	3.2	0.1	<0.04	<0.40	<0.04	<0.04
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg	<0.04	<0.04	0.3	<0.04	<0.04	<0.04						<0.04	<0.04	<0.04	0.4	<0.04	<0.04	<0.40	<0.04	<0.04
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg	<0.04	<0.04	1.7	<0.04	0.1	<0.04						<0.04	0.2	<0.04	3.2	0.2	<0.04	<0.40	<0.04	<0.04
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	2.0	3.0	44.0	6.0	67.0	3.0	58.0	6.0	23.0	27.0	6.0	17.0	19.0	3.0	43.0	16.0	3.0	5.0	38.0	20.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.4	0.5	0.3	0.4	0.2	0.4	<0.17	0.7	<0.17	<0.17	0.8	<0.17	<0.17	0.6	<0.17	<0.17	0.6	<0.17	<0.17	<0.17
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	3.0	2.0	13.0	5.0	18.0	3.0	30.0	7.0	23.0	21.0	10.0	17.0	26.0	11.0	16.0	35.0	11.0	7.0	5.0	23.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	<1	<1	3.0	<1	6.0	<1	6.0	<1	9.0	9.0	<1	6.0	4.0	<1	6.0	8.0	<1	<1	2.0	11.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	<1	<1	<1	<1	1.0	<1	1.0	<1	1.0	1.0	<1	1.0	1.0	<1	1.0	1.0	<1	<1	<1	1.0
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.5	<0.5	0.6	<0.5	0.6	<0.5	1.3	<0.5	1.2	1.0	<0.5	1.8	1.7	0.5	1.7	3.3	0.7	0.9	1.5	3.2
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	3.0	2.0	14.0	3.0	19.0	3.0	25.0	6.0	48.0	42.0	9.0	30.0	28.0	10.0	19.0	61.0	13.0	11.0	6.0	48.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	3.0	2.0	20.0	5.0	45.0	3.0	29.0	4.0	16.0	17.0	6.0	10.0	17.0	5.0	23.0	17.0	7.0	17.0	81.0	30.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	3.0	2.0	13.0	4.0	22.0	4.0	36.0	8.0	74.0	64.0	10.0	38.0	42.0	13.0	34.0	89.0	19.0	32.0	39.0	76.0
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	8.0	5.0	53.0	13.0	106.0	9.0	112.0	20.0	56.0	55.0	29.0	37.0	56.0	24.0	141.0	61.0	36.0	21.0	35.0	48.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg	<0.01	<0.01	0.1	<0.01	<0.01	<0.01						<0.01	0.2	<0.01	0.3	0.0	<0.01	<0.10	<0.01	<0.01
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg	<0.03	<0.03	1.0	<0.03	0.1	<0.03						<0.03	0.7	<0.03	2.7	0.2	<0.03	<0.30	<0.03	<0.03
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg	<0.01	<0.01	0.1	<0.01	<0.01	<0.01						<0.01	0.2	<0.01	0.2	<0.01	<0.01	<0.10	<0.01	<0.01
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03						<0.03	0.1	<0.03	0.0	<0.03	<0.03	<0.30	<0.03	<0.03
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units																				
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg	<0.01	<0.01														<0.01			<0.01	
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg	<0.1	<0.1														<0.1			<0.1	
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg	<0.1	<0.1														<0.1			<0.1	
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg	<0.1	<0.1														<0.1			<0.1	
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg	<0.1	<0.1														<0.1			<0.1	
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg	<0.01	<0.01														<0.01			<0.01	
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg	0.1	0.0														<0.01			<0.01	
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg	0.1	0.0														<0.01			<0.01	
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg	<0.1	<0.1														<0.1			<0.1	
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg	<0.1	<0.1														<0.1			<0.1	
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	<0.1	<0.1														<0.1			0.5	
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	<0.1	<0.1														<0.1			28.3	
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg	<0.01	<0.01														<0.01			<0.01	
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

Appendix G

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH103	ARP16-MPT-BH103	ARP16-MPT-BH104	ARP16-MPT-BH104	ARP16-MPT-BH106	ARP16-MPT-BH106	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH111
					Sample Top	7.00	8.00	0.30	0.60	0.30	1.00	0.30	0.50	0.30	1.00	1.80	0.10	0.80	3.50	0.10	0.25	11.00	0.30	0.60	1.20
					Lookup soil	CHK	CHK	MG	MG	MG	CHK	TS	CHK	HEAD	HEAD	HEAD	MG	HEAD	HEAD	MG	MG	CHK	MG	MG	CWF
					Sample Ref	2	3	1	2	1	2	1	2	1	2	3	1	2	3	1	2	3	1	2	3
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01	<0.01														<0.01			<0.01	
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																				
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH103	ARP16-MPT-BH103	ARP16-MPT-BH104	ARP16-MPT-BH104	ARP16-MPT-BH106	ARP16-MPT-BH106	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH111
					Sample Top	7.00	8.00	0.30	0.60	0.30	1.00	0.30	0.50	0.30	1.00	1.80	0.10	0.80	3.50	0.10	0.25	11.00	0.30	0.60	1.20
					Lookup soil	CHK	CHK	MG	MG	MG	CHK	TS	CHK	HEAD	HEAD	HEAD	MG	HEAD	HEAD	MG	MG	CHK	MG	MG	CWF
					Sample Ref	2	3	1	2	1	2	1	2	1	2	3	1	2	3	1	2	3	1	2	3
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg																				
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg															<100				<100	
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg															<1				<1	
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg															<1				<1	
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg															<1				<1	
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg															<1				<1	
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg															<100				<100	
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg															<100				<100	
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg															<1				<1	
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg															<2				<2	
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg															9.0				<1	
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg															<1				<1	
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg															<1				<1	
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg															<100				<100	
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg															<100				<100	
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg															<100				<100	
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg															<100				<100	
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg															<100				405.0	
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg															<100				<100	
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg															<3				<3	
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg															<100				<100	
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg															<100				<100	
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg															<3				<3	
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg															<1				<1	
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg															<100				<100	
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg															5040.0				<100	
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg															<1				<1	
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg															<1				<1	
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg															4380.0				<100	
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg															<100				<100	
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg															<1				<1	
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg															<1				<1	
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg															<100				<100	
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg															<100				<100	
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg															<100				<100	
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg															<100				<100	
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg															<1				<1	

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH103	ARP16-MPT-BH103	ARP16-MPT-BH104	ARP16-MPT-BH104	ARP16-MPT-BH106	ARP16-MPT-BH106	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH111
					Sample Top	7.00	8.00	0.30	0.60	0.30	1.00	0.30	0.50	0.30	1.00	1.80	0.10	0.80	3.50	0.10	0.25	11.00	0.30	0.60	1.20
					Lookup soil	CHK	CHK	MG	MG	MG	CHK	TS	CHK	HEAD	HEAD	HEAD	MG	HEAD	HEAD	MG	MG	CHK	MG	MG	CWF
					Sample Ref	2	3	1	2	1	2	1	2	1	2	3	1	2	3	1	2	3	1	2	3
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg																				
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg															<10				<10	
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg															<5				<5	
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg															<5				<5	
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg															<1				<1	
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg															<10				<10	
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg															<1				<1	
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg															<1				<1	
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg															<100				<100	
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg															<100				<100	
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg															<1				<1	
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg															<1				<1	
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg															<100				<100	
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg															<100				<100	
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg															<100				<100	
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg															6930.0				<100	
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg															<3				<3	
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg															<100				<100	
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg															<100				<100	
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg															<100				<100	
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg															1440.0				<100	
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg															<100				<100	
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg															<1				<1	
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg															<100				<100	
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg															<1				<1	
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg															<1				<1	
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg															<100				<100	
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg															3.0				<1	
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg															<100				<100	
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg															<2				<2	
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg															<1				<1	
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg															<2				<2	
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg															<1				<1	
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg															<100				<100	
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg															<1				<1	
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg															<1				<1	
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg	<0.01	<0.01														<0.01			<0.01	
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg	<0.01	<0.01														<0.01			<0.01	
P1334	pH	SOLID	#N/A	mg/kg	pH	8.8	9.0	11.1	9.3	8.3	9.0	8.0	8.6	7.6	7.6	8.3	7.8	7.9	8.1	8.2	7.6	8.1	8.8	8.6	7.7
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH103	ARP16-MPT-BH103	ARP16-MPT-BH104	ARP16-MPT-BH104	ARP16-MPT-BH106	ARP16-MPT-BH106	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH111
					Sample Top	7.00	8.00	0.30	0.60	0.30	1.00	0.30	0.50	0.30	1.00	1.80	0.10	0.80	3.50	0.10	0.25	11.00	0.30	0.60	1.20
					Lookup soil	CHK	CHK	MG	MG	MG	CHK	TS	CHK	HEAD	HEAD	HEAD	MG	HEAD	HEAD	MG	MG	CHK	MG	MG	CWF
					Sample Ref	2	3	1	2	1	2	1	2	1	2	3	1	2	3	1	2	3	1	2	3
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH103	ARP16-MPT-BH103	ARP16-MPT-BH104	ARP16-MPT-BH104	ARP16-MPT-BH106	ARP16-MPT-BH106	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH111
					Sample Top	7.00	8.00	0.30	0.60	0.30	1.00	0.30	0.50	0.30	1.00	1.80	0.10	0.80	3.50	0.10	0.25	11.00	0.30	0.60	1.20
					Lookup soil	CHK	CHK	MG	MG	MG	CHK	TS	CHK	HEAD	HEAD	HEAD	MG	HEAD	HEAD	MG	MG	CHK	MG	MG	CWF
					Sample Ref	2	3	1	2	1	2	1	2	1	2	3	1	2	3	1	2	3	1	2	3
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg	<0.1	<0.1														<0.1			<0.1	
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg	<0.1	<0.1														<0.1			26.9	
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg															7720.0					
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg															22600.0					
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg															11600.0					
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg															12500.0					
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg															15100.0					
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg															24700.0					
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg															6190.0					
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg															122.0					
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg															21200.0					
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg															11900.0					
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg															2910.0					
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg															13600.0					
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg															8060.0					
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg															39300.0					
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg															4320.0					
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg															1640.0					
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg																				
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units																				
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units																				
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH103	ARP16-MPT-BH103	ARP16-MPT-BH104	ARP16-MPT-BH104	ARP16-MPT-BH106	ARP16-MPT-BH106	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH111
					Sample Top	7.00	8.00	0.30	0.60	0.30	1.00	0.30	0.50	0.30	1.00	1.80	0.10	0.80	3.50	0.10	0.25	11.00	0.30	0.60	1.20
					Lookup soil	CHK	CHK	MG	MG	MG	CHK	TS	CHK	HEAD	HEAD	HEAD	MG	HEAD	HEAD	MG	MG	CHK	MG	MG	CWF
					Sample Ref	2	3	1	2	1	2	1	2	1	2	3	1	2	3	1	2	3	1	2	3
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg																				
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-BH102	ARP16-MPT-BH102	ARP16-MPT-BH103	ARP16-MPT-BH103	ARP16-MPT-BH104	ARP16-MPT-BH104	ARP16-MPT-BH106	ARP16-MPT-BH106	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH107	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH109	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH110	ARP16-MPT-BH111	ARP16-MPT-BH111	ARP16-MPT-BH111
					Sample Top	7.00	8.00	0.30	0.60	0.30	1.00	0.30	0.50	0.30	1.00	1.80	0.10	0.80	3.50	0.10	0.25	11.00	0.30	0.60	1.20
					Lookup soil	CHK	CHK	MG	MG	MG	CHK	TS	CHK	HEAD	HEAD	HEAD	MG	HEAD	HEAD	MG	MG	CHK	MG	MG	CWF
					Sample Ref	2	3	1	2	1	2	1	2	1	2	3	1	2	3	1	2	3	1	2	3
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg																				
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-BH111	ARP16-MPT-BH112	ARP16-MPT-BH112	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH115	ARP16-MPT-BH115	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH117	ARP16-MPT-BH117	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-TP101	ARP16-MPT-TP101	ARP16-MPT-TP103	ARP16-MPT-TP103
					Sample Top	7.80	0.30	1.00	0.30	0.90	1.50	0.30	0.80	0.40	0.90	6.00	0.30	2.50	0.30	0.80	1.20	0.30	1.00	0.20	0.50
					Lookup soil	CWF	MG	CWF	MG	MG	CWF	MG	CWF	MG	CWF	CHK	MG	CWF	MG	MG	MG	CHK	CHK	MG	MG
					Sample Ref	4	1	2	1	2	3	1	2	1	2	3	1	2	1	2	3	1	2	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg	<0.02	0.1	<0.02	<0.02	8.2	<0.02	<0.02	<0.02	0.1	<0.02	<0.02	0.1	<0.02	3.6	0.4	0.3	<0.02	<0.02		
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg	<0.07	0.8	<0.07	<0.07	35.2	<0.07	0.1	<0.07	0.2	<0.07	<0.07	0.7	<0.07	41.2	4.0	3.7	<0.07	<0.07		
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg	<0.05	0.6	0.1	<0.05	8.7	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	0.3	<0.05	6.3	1.1	1.2	<0.05	<0.05		
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg	<0.03	0.7	0.1	<0.03	10.7	<0.03	0.0	<0.03	0.1	<0.03	<0.03	0.4	<0.03	8.0	1.4	1.5	<0.03	<0.03		
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg	<0.05	0.9	0.1	<0.05	19.9	<0.05	0.1	<0.05	0.1	<0.05	<0.05	0.8	<0.05	18.8	3.0	3.2	<0.05	<0.05		
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg	<0.08	0.9	<0.08	<0.08	37.5	<0.08	0.1	<0.08	0.3	<0.08	<0.08	0.8	<0.08	40.6	3.5	3.5	<0.08	<0.08		
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg	<0.07	0.3	<0.07	<0.07	7.4	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.2	<0.07	6.6	0.8	0.9	<0.07	<0.07		
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	0.0	0.0	<0.01	<0.01		
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg	<0.06	0.7	0.1	<0.06	13.9	<0.06	<0.06	<0.06	0.1	<0.06	<0.06	0.5	<0.06	18.2	2.0	2.1	<0.06	<0.06		
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg	<0.04	0.8	0.1	<0.04	17.4	<0.04	0.0	<0.04	0.1	<0.04	<0.04	0.6	<0.04	16.6	2.4	2.4	<0.04	<0.04		
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg	<0.04	0.1	<0.04	<0.04	1.9	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	<0.04	1.7	0.3	0.3	<0.04	<0.04		
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg	<0.04	0.6	0.1	<0.04	14.2	<0.04	0.0	<0.04	0.1	<0.04	<0.04	0.5	<0.04	17.4	1.8	2.0	<0.04	<0.04		
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	2.0	3.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	1.0	27.0	25.0	3.0	10.0	11.0	15.0	17.0	4.0	21.0	5.0	13.0	5.0	63.0	43.0	61.0	50.0	2.0	41.0	19.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.6	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	0.4	<0.17	<0.17	0.3	<0.17	<0.17	0.2	0.3	0.3	0.2	0.6	<0.17	<0.17
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	3.0	21.0	19.0	7.0	14.0	20.0	7.0	22.0	8.0	6.0	16.0	9.0	15.0	16.0	15.0	14.0	23.0	4.0	18.0	23.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5.0	<5	<5	<5	<5
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	<1	9.0	9.0	<1	6.0	9.0	2.0	10.0	<1	3.0	2.0	3.0	2.0	6.0	5.0	5.0	8.0	<1	10.0	19.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	<1	1.0	1.0	<1	1.0	1.0	<1	1.0	<1	<1	<1	<1	1.0	1.0	<1	1.0	1.0	<1	1.0	2.0
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	1.2	1.4	<1.0	<1.0	1.0
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.5	0.9	0.9	<0.5	<0.5	0.9	<0.5	<0.5	1.0	2.3	0.7	<0.5	<0.5	0.7	0.6	0.5	1.7	<0.5	1.2	1.0
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	2.0	18.0	27.0	7.0	22.0	45.0	11.0	59.0	10.0	9.0	13.0	10.0	6.0	14.0	13.0	13.0	22.0	3.0	31.0	33.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	2.0	13.0	12.0	6.0	8.0	9.0	10.0	13.0	8.0	76.0	13.0	19.0	5.0	40.0	40.0	40.0	27.0	2.0	18.0	12.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	3.0	34.0	40.0	26.0	41.0	62.0	27.0	78.0	32.0	66.0	14.0	27.0	11.0	21.0	17.0	16.0	32.0	4.0	43.0	58.0
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	12.0	62.0	45.0	19.0	35.0	32.0	30.0	45.0	27.0	56.0	22.0	40.0	22.0	115.0	86.0	91.0	85.0	12.0	80.0	43.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<1	<1	2.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	4.2	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	0.0	<0.01	0.6	0.2	0.1	<0.01	<0.01		
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg	<0.03	0.2	<0.03	0.1	22.8	<0.03	0.1	<0.03	0.2	<0.03	<0.03	0.3	<0.03	12.4	1.4	1.1	<0.03	<0.03		
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	2.8	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	0.0	<0.01	0.5	0.2	0.1	<0.01	<0.01		
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03	0.5	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.1	<0.03	<0.03	<0.03		
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units																				
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg													<0.01		<0.01	<0.01				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg													<0.1		<0.1	<0.1				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg													<0.1		0.4	0.5				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg													<0.1		4.9	10.4				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg													<0.1		34.4	40.5				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg													<0.01		<0.01	<0.01				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg													<0.01		<0.01	<0.01				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg													<0.01		<0.01	<0.01				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg													<0.1		<0.1	<0.1				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg													<0.1		<0.1	<0.1				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg													<0.1		<0.1	<0.1				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg													<0.1		<0.1	<0.1				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg													<0.01		<0.01	<0.01				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-BH111	ARP16-MPT-BH112	ARP16-MPT-BH112	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH115	ARP16-MPT-BH115	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH117	ARP16-MPT-BH117	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-TP101	ARP16-MPT-TP101	ARP16-MPT-TP103	ARP16-MPT-TP103
					Sample Top	7.80	0.30	1.00	0.30	0.90	1.50	0.30	0.80	0.40	0.90	6.00	0.30	2.50	0.30	0.80	1.20	0.30	1.00	0.20	0.50
					Lookup soil	CWF	MG	CWF	MG	MG	CWF	MG	CWF	MG	CWF	CHK	MG	CWF	MG	MG	MG	CHK	CHK	MG	MG
					Sample Ref	4	1	2	1	2	3	1	2	1	2	3	1	2	1	2	3	1	2	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg													<0.01		<0.01	<0.01				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																				
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-BH111	ARP16-MPT-BH112	ARP16-MPT-BH112	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH115	ARP16-MPT-BH115	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH117	ARP16-MPT-BH117	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-TP101	ARP16-MPT-TP101	ARP16-MPT-TP103	ARP16-MPT-TP103
					Sample Top	7.80	0.30	1.00	0.30	0.90	1.50	0.30	0.80	0.40	0.90	6.00	0.30	2.50	0.30	0.80	1.20	0.30	1.00	0.20	0.50
					Lookup soil	CWF	MG	CWF	MG	MG	CWF	MG	CWF	MG	CWF	CHK	MG	CWF	MG	MG	MG	CHK	CHK	MG	MG
					Sample Ref	4	1	2	1	2	3	1	2	1	2	3	1	2	1	2	3	1	2	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg																				
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg								<100				<100	<100							
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg								<1				<1	<1							
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg								<1				<1	<1							
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg								<1				<1	<1							
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg								<1				<1	<1							
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg								<100				<100	<100							
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg								<100				<100	<100							
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg								<1				<1	<1							
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg								<2				<2	<2							
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg								<1				<1	<1							
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg								<1				<1	<1							
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg								<1				<1	<1							
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg								<100				<100	<100							
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg								<100				<100	<100							
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg								<100				<100	<100							
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg								<100				<100	<100							
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg								<100				1030.0	152.0							
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg								<100				<100	<100							
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg								<3				<3	<3							
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg								<100				<100	<100							
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg								<100				<100	<100							
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg								<3				<3	<3							
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg								<1				<1	<1							
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg								<100				<100	<100							
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg								<100				<100	<100							
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg								<1				<1	<1							
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg								<1				<1	<1							
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg								<100				903.0	<100							
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg								<100				<100	<100							
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg								<1				<1	<1							
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg								<1				<1	<1							
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg								<100				<100	<100							
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg								<100				<100	<100							
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg								<100				<100	<100							
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg								<100				<100	<100							
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg								<1				<1	<1							

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-BH111	ARP16-MPT-BH112	ARP16-MPT-BH112	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH115	ARP16-MPT-BH115	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH117	ARP16-MPT-BH117	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-TP101	ARP16-MPT-TP101	ARP16-MPT-TP103	ARP16-MPT-TP103
					Sample Top	7.80	0.30	1.00	0.30	0.90	1.50	0.30	0.80	0.40	0.90	6.00	0.30	2.50	0.30	0.80	1.20	0.30	1.00	0.20	0.50
					Lookup soil	CWF	MG	CWF	MG	MG	CWF	MG	CWF	MG	CWF	CHK	MG	CWF	MG	MG	MG	CHK	CHK	MG	MG
					Sample Ref	4	1	2	1	2	3	1	2	1	2	3	1	2	1	2	3	1	2	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg																				
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg								<10				<10	<10							
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg								<5				<5	<5							
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg								<5				<10	<10							
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg								<1				<1	<1							
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg								<10				<10	<10							
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg								<1				<1	<1							
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg								<1				<1	<1							
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg								<100				<100	<100							
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg								<100				<100	<100							
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg								<1				<1	<1							
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg								<1				<1	<1							
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg								<100				<100	<100							
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg								<100				<100	<100							
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg								<100				<100	<100							
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg								<100				<100	<100							
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg								<3				<3	<3							
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg								<100				<100	<100							
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg								<100				<100	<100							
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg								<100				<100	<100							
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg								<100				<100	<100							
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg								<100				<100	<100							
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg								<1				<1	<1							
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg								<100				<100	<100							
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg								<1				<1	<1							
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg								<1				<1	<1							
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg								<100				<100	<100							
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg								<1				<1	<1							
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg								<100				<100	<100							
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg								<2				<2	<2							
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg								<1				<1	1.0							
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg								<2				<2	<2							
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg								<1				<1	<1							
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg								<100				<100	<100							
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg								<1				<1	<1							
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg								<1				<1	<1							
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg													<0.01		<0.01	<0.01				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg													<0.01		<0.01	<0.01				
P1334	pH	SOLID	#N/A	mg/kg	pH	8.5	8.1	7.9	10.3	11.0	8.4	8.0	7.6	9.6	9.3	8.1	10.2	8.1	8.2	8.6	8.3	7.9	8.6	7.2	8.1
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-BH111	ARP16-MPT-BH112	ARP16-MPT-BH112	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH115	ARP16-MPT-BH115	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH117	ARP16-MPT-BH117	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-TP101	ARP16-MPT-TP101	ARP16-MPT-TP103	ARP16-MPT-TP103
					Sample Top	7.80	0.30	1.00	0.30	0.90	1.50	0.30	0.80	0.40	0.90	6.00	0.30	2.50	0.30	0.80	1.20	0.30	1.00	0.20	0.50
					Lookup soil	CWF	MG	CWF	MG	MG	CWF	MG	CWF	MG	CWF	CHK	MG	CWF	MG	MG	MG	CHK	CHK	MG	MG
					Sample Ref	4	1	2	1	2	3	1	2	1	2	3	1	2	1	2	3	1	2	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-BH111	ARP16-MPT-BH112	ARP16-MPT-BH112	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH115	ARP16-MPT-BH115	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH117	ARP16-MPT-BH117	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-TP101	ARP16-MPT-TP101	ARP16-MPT-TP103	ARP16-MPT-TP103
					Sample Top	7.80	0.30	1.00	0.30	0.90	1.50	0.30	0.80	0.40	0.90	6.00	0.30	2.50	0.30	0.80	1.20	0.30	1.00	0.20	0.50
					Lookup soil	CWF	MG	CWF	MG	MG	CWF	MG	CWF	MG	CWF	CHK	MG	CWF	MG	MG	MG	CHK	CHK	MG	MG
					Sample Ref	4	1	2	1	2	3	1	2	1	2	3	1	2	1	2	3	1	2	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg													<0.1		3.7	2.9				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg													<0.1		<0.1	<0.1				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg																				
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg																				
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg																				
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg																				
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg																				
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg																				
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg																				
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg																				
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg																				
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg																				
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg																				
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg																				
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units																				
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units																				
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-BH111	ARP16-MPT-BH112	ARP16-MPT-BH112	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH115	ARP16-MPT-BH115	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH117	ARP16-MPT-BH117	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-TP101	ARP16-MPT-TP101	ARP16-MPT-TP103	ARP16-MPT-TP103
					Sample Top	7.80	0.30	1.00	0.30	0.90	1.50	0.30	0.80	0.40	0.90	6.00	0.30	2.50	0.30	0.80	1.20	0.30	1.00	0.20	0.50
					Lookup soil	CWF	MG	CWF	MG	MG	CWF	MG	CWF	MG	CWF	CHK	MG	CWF	MG	MG	MG	CHK	CHK	MG	MG
					Sample Ref	4	1	2	1	2	3	1	2	1	2	3	1	2	1	2	3	1	2	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg																				
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-BH111	ARP16-MPT-BH112	ARP16-MPT-BH112	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH114	ARP16-MPT-BH115	ARP16-MPT-BH115	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH116	ARP16-MPT-BH117	ARP16-MPT-BH117	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-IP101	ARP16-MPT-TP101	ARP16-MPT-TP101	ARP16-MPT-TP103	ARP16-MPT-TP103
					Sample Top	7.80	0.30	1.00	0.30	0.90	1.50	0.30	0.80	0.40	0.90	6.00	0.30	2.50	0.30	0.80	1.20	0.30	1.00	0.20	0.50
					Lookup soil	CWF	MG	CWF	MG	MG	CWF	MG	CWF	MG	CWF	CHK	MG	CWF	MG	MG	MG	CHK	CHK	MG	MG
					Sample Ref	4	1	2	1	2	3	1	2	1	2	3	1	2	1	2	3	1	2	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg																				
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP105	ARP16-MPT-TP105	ARP16-MPT-TP106	ARP16-MPT-TP106	ARP16-MPT-TP107	ARP16-MPT-TP107	ARP16-MPT-TP107	ARP16-MPT-TP108	ARP16-MPT-TP108	ARP16-MPT-TP108	ARP16-MPT-TT102	ARP16-MPT-TT102
					Sample Top	1.20	2.00	3.00	3.20	0.30	0.50	1.20	2.20	0.30	1.00	0.00	1.20	0.10	0.30	1.00	0.30	0.50	1.00	0.30	1.00
					Lookup soil	MG	MG	MG	CHK	MG	MG	MG	CHK	CWF	CWF	MG	CWF	MG	CWF	CWF	MG	MG	CWF	MG	CWF
					Sample Ref	3	4	5	6	1	2	3	4	1	2	1	2	1	2	3	1	2	3	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg					<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg					<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg					1.1	0.4	<0.02	<0.02			<0.02	<0.02	1.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.5
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg					12.0	5.7	<0.07	<0.07			<0.07	<0.07	16.1	0.1	<0.07	<0.07	<0.07	<0.07	<0.07	4.4
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg					4.6	2.0	<0.05	<0.05			<0.05	<0.05	6.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.8
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg					5.3	2.3	<0.03	<0.03			<0.03	<0.03	6.9	0.1	<0.03	<0.03	<0.03	<0.03	<0.03	3.2
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg					9.1	4.0	<0.05	<0.05			<0.05	<0.05	10.8	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	4.1
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg					13.1	5.9	<0.08	<0.08			<0.08	<0.08	18.4	0.1	<0.08	<0.08	<0.08	<0.08	<0.08	4.5
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg					3.3	1.5	<0.07	<0.07			<0.07	<0.07	4.1	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	1.5
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg					0.2	0.1	<0.01	<0.01			<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.2
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg					6.8	3.1	<0.06	<0.06			<0.06	<0.06	9.2	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	2.9
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg					7.8	3.7	<0.04	<0.04			<0.04	<0.04	9.0	0.1	<0.04	<0.04	<0.04	<0.04	<0.04	3.8
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg					0.8	0.3	<0.04	<0.04			<0.04	<0.04	1.1	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.6
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg					7.5	3.4	<0.04	<0.04			<0.04	<0.04	9.6	0.1	<0.04	<0.04	<0.04	<0.04	<0.04	2.9
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1	<1	<1	<1	3.0	5.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg					<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	27.0	74.0	62.0	<1	98.0	95.0	9.0	4.0	20.0	21.0	44.0	15.0	34.0	17.0	16.0	32.0	23.0	15.0	218.0	21.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.17	<0.17	0.2	0.8	<0.17	<0.17	<0.17	0.8	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	19.0	46.0	24.0	4.0	21.0	22.0	37.0	15.0	40.0	60.0	17.0	16.0	14.0	22.0	10.0	20.0	29.0	23.0	48.0	16.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	12.0	8.0	5.0	<1	10.0	13.0	2.0	<1	4.0	5.0	12.0	6.0	7.0	10.0	6.0	7.0	5.0	9.0	14.0	5.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.0	2.0	1.0	<1	1.0	1.0	2.0	<1	2.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	4.0	1.0
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	<1.0	2.0	1.6	<1.0	1.2	1.7	1.3	<1.0	<1.0	1.5	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	3.0
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.9	1.8	1.1	<0.5	1.1	1.2	0.9	<0.5	0.9	1.3	2.3	2.2	1.7	3.2	1.6	2.2	2.4	3.1	1.2	0.7
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	31.0	33.0	19.0	3.0	27.0	26.0	36.0	13.0	40.0	54.0	34.0	31.0	20.0	43.0	26.0	31.0	30.0	34.0	21.0	29.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	13.0	42.0	32.0	3.0	29.0	66.0	17.0	11.0	18.0	29.0	16.0	11.0	15.0	15.0	6.0	13.0	22.0	18.0	108.0	11.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	50.0	45.0	27.0	4.0	46.0	45.0	55.0	23.0	56.0	80.0	43.0	51.0	32.0	69.0	32.0	46.0	56.0	65.0	43.0	25.0
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	68.0	359.0	127.0	14.0	89.0	120.0	92.0	48.0	73.0	103.0	52.0	32.0	56.0	43.0	35.0	57.0	55.0	48.0	138.0	42.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg					0.3	0.1	<0.01	<0.01			<0.01	<0.01	0.4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.2
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg					3.8	1.6	<0.03	<0.03			<0.03	<0.03	5.6	0.0	<0.03	<0.03	<0.03	<0.03	<0.03	1.7
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg					0.2	0.1	<0.01	<0.01			<0.01	<0.01	0.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.2
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg					0.1	<0.03	<0.03	<0.03			<0.03	<0.03	0.1	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units																				
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg					<0.01	<0.01	<0.01	<0.01												<0.01
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg					0.3	<0.1	<0.1	<0.1												<0.1
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg					1.6	0.6	<0.1	<0.1												1.8
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg					15.1	10.3	<0.1	<0.1												13.0
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg					58.8	32.0	<0.1	<0.1												104.0
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg					<0.01	<0.01	<0.01	<0.01												<0.01
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg					<0.01	<0.01	<0.01	<0.01												<0.01
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg					<0.01	<0.01	<0.01	<0.01												<0.01
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg					<0.1	<0.1	<0.1	<0.1												<0.1
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg					0.8	0.5	<0.1	<0.1												1.2
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg					1.7	1.4	<0.1	<0.1												6.8
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg					16.8	11.6	<0.1	<0.1												80.7
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg					<0.01	<0.01	<0.01	<0.01												<0.01
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP105	ARP16-MPT-TP105	ARP16-MPT-TP106	ARP16-MPT-TP106	ARP16-MPT-TP107	ARP16-MPT-TP107	ARP16-MPT-TP107	ARP16-MPT-TP108	ARP16-MPT-TP108	ARP16-MPT-TP108	ARP16-MPT-TT102	ARP16-MPT-TT102
					Sample Top	1.20	2.00	3.00	3.20	0.30	0.50	1.20	2.20	0.30	1.00	0.00	1.20	0.10	0.30	1.00	0.30	0.50	1.00	0.30	1.00
					Lookup soil	MG	MG	MG	CHK	MG	MG	MG	CHK	CWF	CWF	MG	CWF	MG	CWF	CWF	MG	MG	CWF	MG	CWF
					Sample Ref	3	4	5	6	1	2	3	4	1	2	1	2	1	2	3	1	2	3	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg					<0.01	<0.01	<0.01	<0.01												<0.01
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg					<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																				
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP105	ARP16-MPT-TP105	ARP16-MPT-TP106	ARP16-MPT-TP106	ARP16-MPT-TP107	ARP16-MPT-TP107	ARP16-MPT-TP107	ARP16-MPT-TP108	ARP16-MPT-TP108	ARP16-MPT-TP108	ARP16-MPT-TT102	ARP16-MPT-TT102
					Sample Top	1.20	2.00	3.00	3.20	0.30	0.50	1.20	2.20	0.30	1.00	0.00	1.20	0.10	0.30	1.00	0.30	0.50	1.00	0.30	1.00
					Lookup soil	MG	MG	MG	CHK	MG	MG	MG	CHK	CWF	CWF	MG	CWF	MG	CWF	CWF	MG	MG	CWF	MG	CWF
					Sample Ref	3	4	5	6	1	2	3	4	1	2	1	2	1	2	3	1	2	3	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg					<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg																				
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg																				<100
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg																				<1
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg																				<1
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg																				<1
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg																				<1
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg																				<1
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg																				<1
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg																				<100
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg																				<1
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg																				<100
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg																				<1
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg																				<1
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg																				<2
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg																				<1
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg																				<1
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg																				<1
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg																				<1
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg																				<100
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg																				<100
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg																				<100
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg																				<100
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg																				<100
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg																				<100
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg																				<3
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg																				<100
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg																				<100
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg																				<3
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg																				<1
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg																				<100
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg																				<100
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg																				<1
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																				<1
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg																				<1
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg																				<1
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				1760.0
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg																				<100
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg																				<1
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg																				<1
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg																				<1
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																				<1
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg																				<100
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg																				<100
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg																				<100
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg																				<1
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg																				<1
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg																				<100
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg																				<1

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP105	ARP16-MPT-TP105	ARP16-MPT-TP106	ARP16-MPT-TP106	ARP16-MPT-TP107	ARP16-MPT-TP107	ARP16-MPT-TP107	ARP16-MPT-TP108	ARP16-MPT-TP108	ARP16-MPT-TP108	ARP16-MPT-TT102	ARP16-MPT-TT102
					Sample Top	1.20	2.00	3.00	3.20	0.30	0.50	1.20	2.20	0.30	1.00	0.00	1.20	0.10	0.30	1.00	0.30	0.50	1.00	0.30	1.00
					Lookup soil	MG	MG	MG	CHK	MG	MG	MG	CHK	CWF	CWF	MG	CWF	MG	CWF	CWF	MG	MG	CWF	MG	CWF
					Sample Ref	3	4	5	6	1	2	3	4	1	2	1	2	1	2	3	1	2	3	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg																				<1
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg																				
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg																				<1
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg																				<10
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg																				<1
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg																				<5
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg																				<1
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg																				<1
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg																				<10
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg																				<1
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg																				<1
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg																				<10
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg																				<1
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg																				<1
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg																				<1
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg																				<1
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg																				<100
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg																				<100
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																				<1
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg																				<1
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg																				<1
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg																				<1
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg																				<100
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg																				<100
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg																				<100
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg																				<100
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg																				<3
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg																				<1
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg																				<100
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg																				<100
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg																				<100
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg																				<100
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg																				<100
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg																				<1
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg																				<100
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg																				<1
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg																				<1
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg																				<100
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg																				<1
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg																				<100
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg																				<2
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg																				<1
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg																				<2
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg																				<1
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg																				<100
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg																				<1
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg																				<1
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg					<0.01	<0.01	<0.01	<0.01												<0.01
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg					<0.01	<0.01	<0.01	<0.01												<0.01
P1334	pH	SOLID	#N/A	mg/kg	pH	8.0	7.9	8.2	8.7	8.2	8.0	8.2	8.4	8.0	7.7	7.2	7.6	7.8	6.0	6.5	7.7	7.6	7.5	8.1	8.2
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP105	ARP16-MPT-TP105	ARP16-MPT-TP106	ARP16-MPT-TP106	ARP16-MPT-TP107	ARP16-MPT-TP107	ARP16-MPT-TP107	ARP16-MPT-TP108	ARP16-MPT-TP108	ARP16-MPT-TP108	ARP16-MPT-TT102	ARP16-MPT-TT102
					Sample Top	1.20	2.00	3.00	3.20	0.30	0.50	1.20	2.20	0.30	1.00	0.00	1.20	0.10	0.30	1.00	0.30	0.50	1.00	0.30	1.00
					Lookup soil	MG	MG	MG	CHK	MG	MG	MG	CHK	CWF	CWF	MG	CWF	MG	CWF	CWF	MG	MG	CWF	MG	CWF
					Sample Ref	3	4	5	6	1	2	3	4	1	2	1	2	1	2	3	1	2	3	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP105	ARP16-MPT-TP105	ARP16-MPT-TP106	ARP16-MPT-TP106	ARP16-MPT-TP107	ARP16-MPT-TP107	ARP16-MPT-TP107	ARP16-MPT-TP108	ARP16-MPT-TP108	ARP16-MPT-TP108	ARP16-MPT-TT102	ARP16-MPT-TT102
					Sample Top	1.20	2.00	3.00	3.20	0.30	0.50	1.20	2.20	0.30	1.00	0.00	1.20	0.10	0.30	1.00	0.30	0.50	1.00	0.30	1.00
					Lookup soil	MG	MG	MG	CHK	MG	MG	MG	CHK	CWF	CWF	MG	CWF	MG	CWF	CWF	MG	MG	CWF	MG	CWF
					Sample Ref	3	4	5	6	1	2	3	4	1	2	1	2	1	2	3	1	2	3	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg					13.0	2.3	<0.1	<0.1												27.1
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg					17.6	8.3	<0.1	<0.1												22.3
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg																				
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg																				
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg																				
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg																				
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg																				
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg																				
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg																				
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg																				
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg																				
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg																				
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg																				
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg																				
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units																				
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units																				
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP105	ARP16-MPT-TP105	ARP16-MPT-TP106	ARP16-MPT-TP106	ARP16-MPT-TP107	ARP16-MPT-TP107	ARP16-MPT-TP107	ARP16-MPT-TP108	ARP16-MPT-TP108	ARP16-MPT-TP108	ARP16-MPT-TT102	ARP16-MPT-TT102
					Sample Top	1.20	2.00	3.00	3.20	0.30	0.50	1.20	2.20	0.30	1.00	0.00	1.20	0.10	0.30	1.00	0.30	0.50	1.00	0.30	1.00
					Lookup soil	MG	MG	MG	CHK	MG	MG	MG	CHK	CWF	CWF	MG	CWF	MG	CWF	CWF	MG	MG	CWF	MG	CWF
					Sample Ref	3	4	5	6	1	2	3	4	1	2	1	2	1	2	3	1	2	3	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg																				
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP103	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP104	ARP16-MPT-TP105	ARP16-MPT-TP105	ARP16-MPT-TP106	ARP16-MPT-TP106	ARP16-MPT-TP107	ARP16-MPT-TP107	ARP16-MPT-TP107	ARP16-MPT-TP108	ARP16-MPT-TP108	ARP16-MPT-TP108	ARP16-MPT-TT102	ARP16-MPT-TT102
					Sample Top	1.20	2.00	3.00	3.20	0.30	0.50	1.20	2.20	0.30	1.00	0.00	1.20	0.10	0.30	1.00	0.30	0.50	1.00	0.30	1.00
					Lookup soil	MG	MG	MG	CHK	MG	MG	MG	CHK	CWF	CWF	MG	CWF	MG	CWF	CWF	MG	MG	CWF	MG	CWF
					Sample Ref	3	4	5	6	1	2	3	4	1	2	1	2	1	2	3	1	2	3	1	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg																				
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BBH204	AEC18-LF-BBH207	AEC18-LF-BBH209	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH202	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH204	AEC18-LF-BH204	AEC18-LF-BH204
					Sample Top	0.50	0.30	0.40	0.70	2.70	4.00	0.90	5.60	0.50	0.40	5.00	8.30	0.50	11.10	2.50	5.30	8.30	0.30	11.00	5.00
					Lookup soil	CwF	MADE GROUND	CwF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	HEAD	MADE GROUND	MG-LF	MG-LF	TS	MG-LF	MG-LF
					Sample Ref	2	1	2	2	5	7	2	4	2	1	5	6	2	9	5	6	7	1	7	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																				
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																				
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																				
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																				
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																				
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																				
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																				
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1		<1	<1	<1	<1	<1	2.1	<1	<1	2.9	<1	<1	1.2	<1	<0.5	1.7	<1	<0.5	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																				
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	30.7		22.3	33.6	64.9	71.6	17.9	187.0	10.3	39.4	74.9	19.0	96.5	109.0	77.6	<0.002	310.0	23.0	<0.002	37.6
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.14		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	0.4	<0.14	<0.14	<0.14	<0.14	<0.0001	<1.4	<0.14	<0.0001	<0.14
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	53.9		44.3	19.4	17.6	25.7	14.5	12.0	8.4	44.7	6.9	24.3	26.6	21.7	31.4	0.0	511.0	21.1	0.1	57.4
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	<0.6		<0.6	<0.6	<0.6	<0.6	<0.6	6.4	<0.6	<0.6	2.1	<0.6	2.0	0.7	<0.6	<6	<6	<0.6	<0.6	<0.6
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	16.2		16.1	12.1	16.1	14.4	12.9	6.9	3.0	17.3	2.8	7.2	16.3	14.2	17.0	0.0	21.6	14.4	0.0	14.3
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	3.0		2.1	0.9	0.9	1.1	0.5	0.2	0.4	2.0	0.3	1.4	1.2	1.4	1.2	<0.001	<0.1	1.1	<0.001	1.7
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	<1		<1	<1	2.3	2.3	<1	18.9	<1	<1	1.1	3.7	1.3	4.3	2.3	1.1	2.3	<1	2.1	2.9
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.4		0.2	0.1	0.4	0.4	<0.02	0.7	0.1	<0.02	0.9	0.2	0.6	0.4	0.1	<0.0008	0.8	<0.02	<0.0008	0.4
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	26.8		34.4	19.2	23.0	18.3	10.4	8.6	5.2	25.5	21.4	17.2	13.9	10.4	15.9	<9	332.0	34.7	0.1	21.8
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	32.6		31.3	37.8	23.3	34.7	8.5	38.0	10.1	38.5	63.6	14.3	48.3	33.4	37.2	<0.003	84.4	17.7	0.0	37.4
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	77.1		85.7	52.8	49.4	51.5	30.5	14.0	10.9	72.4	9.2	32.9	39.4	22.7	41.6	<0.01	18.3	61.8	<0.01	49.8
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	107.0		88.0	107.0	109.0	103.0	59.3	216.0	34.7	124.0	284.0	103.0	238.0	377.0	141.0	0.0	344.0	58.2	0.0	117.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	1.4		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.01	<10	<1	<0.01	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																				
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																				
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																				
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																				
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.035		<0.035	<0.035	<0.035	<0.035	<0.035	0.4	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.4	<0.035
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	8.0		8.0	10.0	7.5	8.1	11.3	6.9	8.7	8.2	7.8	8.1	8.3	7.9	8.3	7.5	7.6	8.2	7.6	8.4
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BBH204	AEC18-LF-BBH207	AEC18-LF-BBH209	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH202	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH204	AEC18-LF-BH204	AEC18-LF-BH204
					Sample Top	0.50	0.30	0.40	0.70	2.70	4.00	0.90	5.60	0.50	0.40	5.00	8.30	0.50	11.10	2.50	5.30	8.30	0.30	11.00	5.00
					Lookup soil	CwF	MADE GROUND	CwF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	HEAD	MADE GROUND	MG-LF	MG-LF	TS	MG-LF	MG-LF
					Sample Ref	2	1	2	2	5	7	2	4	2	1	5	6	2	9	5	6	7	1	7	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg												<0.01								
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg												<0.01								
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BBH204	AEC18-LF-BBH207	AEC18-LF-BBH209	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH202	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH204	AEC18-LF-BH204	AEC18-LF-BH204
					Sample Top	0.50	0.30	0.40	0.70	2.70	4.00	0.90	5.60	0.50	0.40	5.00	8.30	0.50	11.10	2.50	5.30	8.30	0.30	11.00	5.00
					Lookup soil	CwF	MADE GROUND	CwF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	HEAD	MADE GROUND	MG-LF	MG-LF	TS	MG-LF	MG-LF
					Sample Ref	2	1	2	2	5	7	2	4	2	1	5	6	2	9	5	6	7	1	7	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg								<0.6				<0.6				<0.3			<0.3	
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																<0.5			<0.5	
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																<0.5			<0.5	
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg																	<100		<200	
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg		<4	<4			<4		<4			<4	<4		<4		<80	56.9		139.0	
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg																	32.7		<100	
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg																	<10		<100	
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg																	<10		<100	
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg																	17.0		539.0	
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg																	<11		<110	
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg																	<100		<200	
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg																	<10		<100	
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg																	<100		<200	
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg																	<100		<200	
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg																	<10		<100	
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg																	<5		<50	
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg																	51.6		808.0	
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg																	<10		<100	
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg		<7	<7			<7		<7			<7	<7		<7		<140	12.8		<70	
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg																	8.3		<50	
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg																	141.0		<200	
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg																	<100		<200	
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg																	<100		<200	
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg																	371.0		480.0	
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg																	<100		<200	
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg												<50					<100		<200	
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg																	<100		<200	
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg																	<100		<200	
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg																	<100		<200	
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg																	<10		<100	
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg																	<5		<50	
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg																	<100		<200	
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg																	<100		<200	
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg																	<10		<100	
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																	<7		<70	
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg																	8.5		<60	
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg																	<10		<100	
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg																	<100		<200	
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg																	<100		<200	
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg																	<10		<100	
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg																	<10		<100	
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																	<10		<100	
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg																	<100		<200	
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg																	<100		<200	
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg																	<100		<200	
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg																	<10		<100	
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg																	<8		<80	
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg																	<100		<200	
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg		<9	<9			<9		<9			<9	<9		<9		<180	<9		<90	

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BBH204	AEC18-LF-BBH207	AEC18-LF-BBH209	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH202	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH204	AEC18-LF-BH204	AEC18-LF-BH204
					Sample Top	0.50	0.30	0.40	0.70	2.70	4.00	0.90	5.60	0.50	0.40	5.00	8.30	0.50	11.10	2.50	5.30	8.30	0.30	11.00	5.00
					Lookup soil	CwF	MADE GROUND	CwF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	HEAD	MADE GROUND	MG-LF	MG-LF	TS	MG-LF	MG-LF
					Sample Ref	2	1	2	2	5	7	2	4	2	1	5	6	2	9	5	6	7	1	7	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg																	<7		<70	
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg																1.0			1.4	
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg																	<10		<100	
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg																	<7		<70	
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg																	<9		<90	
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg																	<10		<100	
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg																	<10		<100	
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg																	<6		<60	
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg																	23.8		<100	
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg																	<7		<70	
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg																	<10		<100	
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg																	<7		<70	
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg																	<8		<80	
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg																	<10		<100	
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg																	<6		<60	
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg																	<6		<60	
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg																	<100		<200	
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg																	<100		<200	
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																	<10		<100	
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg																	<10		<100	
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg																	<9		<90	
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg																	<10		<100	
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg																	<100		<200	
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg																	141.0		436.0	
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg																	<100		<200	
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg																	<100		500.0	
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg																	<20		<200	
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg																	<100		<200	
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg																	<100		<200	
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg																	<100		<200	
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg																	<100		<200	
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg																	<100		<200	
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg																	<100		436.0	
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg		<10	<10			<10		<10			<10	<10		<10		<200	23.3		<100	
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg																	<100		<200	
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg																	<9		<90	
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg																	<10		<100	
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg																	<100		<200	
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg																	371.0		13800.0	
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg																	<100		<200	
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg																	<14		<140	
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg																	<16		<160	
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg																	<14		<140	
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg																	13.7		89.8	
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg																	<100		<200	
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg																	<10		<100	
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg		<10	<10			<10		<10			<10	<10		<10		<200	248.0		199.0	
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg												<50								
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg												<50								
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg												<50								
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg												<0.01								
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg												<50								
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg												<50								
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg												<0.01								
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg												<50								
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BBH204	AEC18-LF-BBH207	AEC18-LF-BBH209	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH202	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH204	AEC18-LF-BH204	AEC18-LF-BH204
					Sample Top	0.50	0.30	0.40	0.70	2.70	4.00	0.90	5.60	0.50	0.40	5.00	8.30	0.50	11.10	2.50	5.30	8.30	0.30	11.00	5.00
					Lookup soil	CwF	MADE GROUND	CwF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	HEAD	MADE GROUND	MG-LF	MG-LF	TS	MG-LF	MG-LF
					Sample Ref	2	1	2	2	5	7	2	4	2	1	5	6	2	9	5	6	7	1	7	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg												<0.01								
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg												<0.01								
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg												<50								
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg												<0.01								
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg												<50								
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg												<50								
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg												<50								
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg												<50								
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg												<0.01								
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg												<50								
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg												<50								
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg												<50								
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg												<50								
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg												<50								
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg												<50								
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50								
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg												<50								
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50								
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg												<50								
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50								
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50								
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg												<50								
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg												<50								
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg												<50								
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg												<50								
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg												<0.01								
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg												<50								
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg												<50								
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg												<50								
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg												<50								
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50								
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50								
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50								
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg												<50								
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg												<0.01								
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg												<50								
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg												<50								
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg												<50								
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BBH204	AEC18-LF-BBH207	AEC18-LF-BBH209	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH202	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH204	AEC18-LF-BH204	AEC18-LF-BH204
					Sample Top	0.50	0.30	0.40	0.70	2.70	4.00	0.90	5.60	0.50	0.40	5.00	8.30	0.50	11.10	2.50	5.30	8.30	0.30	11.00	5.00
					Lookup soil	CwF	MADE GROUND	CwF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	HEAD	MADE GROUND	MG-LF	MG-LF	TS	MG-LF	MG-LF
					Sample Ref	2	1	2	2	5	7	2	4	2	1	5	6	2	9	5	6	7	1	7	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50								
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg												<50								
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50								
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg												<50								
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg												<50								
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50								
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg												<50								
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg												<50								
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50								
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg												<50								
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50								
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg												<0.01								
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg												<50								
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg												<50								
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg												<0.01								
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg												<0.01								
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg												<0.01								
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg												<0.01								
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg												<0.01								
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg												<50								
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg		220.0	<16			274.0		260.0			89.6	20.2		748.0		1220.0	218.0		1720.0	
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg		981.0	<15			1390.0		1180.0			664.0	129.0		4300.0		3220.0	986.0		3040.0	
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg		363.0	<24			413.0		273.0			666.0	50.7		1460.0		521.0	269.0		569.0	
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg		373.0	<18			505.0		268.0			493.0	34.9		1990.0		493.0	307.0		547.0	
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg		531.0	<15			862.0		624.0			929.0	97.3		3520.0		1240.0	282.0		509.0	
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg		1150.0	<17			1590.0		1350.0			776.0	144.0		5100.0		3680.0	934.0		4380.0	
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg		250.0	<14			331.0		229.0			278.0	39.5		1350.0		439.0	269.0		633.0	
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg		<60	<12			<60		<60			96.7	<12		236.0		66.8	<100		<200	
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg		415.0	<10			639.0		569.0			437.0	74.4		2380.0		1040.0	346.0		1070.0	
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg		506.0	<15			619.0		371.0			602.0	68.2		2830.0		976.0	320.0		841.0	
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg		<115	<23			<115		<115			125.0	<23		383.0		144.0	<100		<200	
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg		393.0	<14			590.0		449.0			443.0	73.7		2530.0		1360.0	384.0		1530.0	
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg		49.4	<8			102.0		311.0			13.6	20.2		32.1		1630.0	128.0		<200	
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg		594.0	<15			936.0		1620.0			269.0	85.5		1850.0		3860.0	614.0		5010.0	
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg		<50	<10			112.0		425.0			15.1	15.5		153.0		1400.0	<100		1720.0	
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg		<45	<9			<45		608.0			37.8	<9		41.5		103.0	<100		365.0	
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg												<0.5				<0.5				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	<0.015		<0.015	<0.015	<0.015	<0.015	<0.015	0.4	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.3	<0.015
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	0.0
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected		Not Detected	Not Detected	Not Detected		Not Detected	
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected		Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected		Detected	Detected		Not Detected	Not Detected	Not Detected		Not Detected	
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected		Not Detected	Not Detected	Not Detected		Not Detected	
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected		Not Detected	Detected	Not Detected	Not Detected	Detected	Not Detected	Not Detected		Detected	Not Detected		Not Detected	Not Detected	Not Detected		Not Detected	
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected		Not Detected	Not Detected	Not Detected		Not Detected	
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected		Not Detected	Not Detected	Not Detected		Not Detected	
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg												<0.02								
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg												<0.02								
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg												<0.02								
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg												<10					<10		<100	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g												<0.00035								
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg												<0.01								
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g												<0.0019								
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg												<50								

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BBH204	AEC18-LF-BBH207	AEC18-LF-BBH209	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH202	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH204	AEC18-LF-BH204	AEC18-LF-BH204
					Sample Top	0.50	0.30	0.40	0.70	2.70	4.00	0.90	5.60	0.50	0.40	5.00	8.30	0.50	11.10	2.50	5.30	8.30	0.30	11.00	5.00
					Lookup soil	CwF	MADE GROUND	CwF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	HEAD	MADE GROUND	MG-LF	MG-LF	TS	MG-LF	MG-LF
					Sample Ref	2	1	2	2	5	7	2	4	2	1	5	6	2	9	5	6	7	1	7	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
																	1.2								
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g												0.3								
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g												0.6								
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g												0.2								
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g												<0.0048								
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg												<0.01								
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g												0.0								
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g												1.1								
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g												<0.016								
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g												<0.0019								
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g												0.2								
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g												<0.00088								
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g												<0.003								
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg												<50								
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g												0.4								
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g												<0.0081								
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g												<0.0023								
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g												<0.0023								
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g												<0.0029								
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g												<0.0055								
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g												0.0								
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g												<0.0029								
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg												<0.01								
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g												<0.024								
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g												<0.016								
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g												<0.099								
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g												<0.029								
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g												<0.0029								
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg												<0.01								
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg												<50								
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g												<0.0015								
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g												<0.062								
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg												<0.01								
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg												<0.05								
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg												<40					341.0		<400	
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg												<10					<10		<100	
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg												<10					<10		<100	
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg												<10					517.0		13500.0	
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg												<10					251.0		11900.0	
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg												<100					8570.0		47900.0	
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg												5250.0					91500.0		280000.0	
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg												7250.0					374000.0		614000.0	
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg												1330.0					73300.0		88300.0	
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg												<10					19.2		<100	
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg												<10					118.0		350.0	
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg												<10					430.0		20300.0	
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg												<10					376.0		17800.0	
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg												<100					14700.0		109000.0	
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg												<100					105000.0		289000.0	
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg												6230.0					481000.0		707000.0	
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg												<100					93800.0		84700.0	
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																<0.3			<0.3	
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																93.0			97.0	
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																<5			<5	
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																<0.1			<0.1	
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																<0.6			0.9	
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																1.7			<0.19	
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																37.3			31.3	
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																0.2			0.4	
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																53.4			111.0	
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																189.0			77.2	
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																1350.0			486.0	
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																49.1			132.0	
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																6.8			0.4	
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg																	<100		<200	
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																	<100		<200	

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					Hole Ref	AEC18-LF-BBH204	AEC18-LF-BBH207	AEC18-LF-BBH209	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BBH210	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH201 (PFCP71)	AEC18-LF-BH202	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH202A	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH203	AEC18-LF-BH204	AEC18-LF-BH204	AEC18-LF-BH204
					Sample Top	0.50	0.30	0.40	0.70	2.70	4.00	0.90	5.60	0.50	0.40	5.00	8.30	0.50	11.10	2.50	5.30	8.30	0.30	11.00	5.00
					Lookup soil	CwF	MADE GROUND	CwF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	HEAD	MADE GROUND	MG-LF	MG-LF	TS	MG-LF	MG-LF
					Sample Ref	2	1	2	2	5	7	2	4	2	1	5	6	2	9	5	6	7	1	7	5
Contaminant Code	**Contaminant Name**	**Test Type**	**RTM screening value**	**Screening units**	Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	**Azobenzene**	**SOLID - INITIAL**	**0.38**	**mg/kg**	ug/kg																	<100		<200	
106-47-8	**4-Chloroaniline**	**SOLID - INITIAL**	**0.01**	**mg/kg**	ug/kg																	<100		<200	
700-57-23	**4-Chlorophenylphenylether**	**SOLID - INITIAL**	**#N/A**	**mg/kg**	ug/kg																	<100		<200	
88-74-4	**2-Nitroaniline**	**SOLID - INITIAL**	**0.01**	**mg/kg**	ug/kg																	<100		<200	
99-09-2	**3-Nitroaniline**	**SOLID - INITIAL**	**#N/A**	**mg/kg**	ug/kg																	<100		<200	
994-05-8	**Tertiary Amyl Methyl Ether**	**SOLID - INITIAL**	**#N/A**	**mg/kg**	ug/kg																	<10		<100	
1336-36-6	**PCB Total (WAC only)**	**SOLID**	**#N/A**	**mg/kg**	mg/kg																				
P1330	**BTEX (total) WAC**	**SOLID**	**#N/A**	**mg/kg**	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH205A	AEC18-LF-BH205A	AEC18-LF-BH206	AEC18-LF-BH206	AEC18-LF-BH206	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH210
					Sample Top	0.30	3.50	2.80	5.00	6.40	0.10	12.10	17.60	7.50	11.80	4.80	7.50	9.40	0.30	10.80	13.00	4.70	0.50	3.20	6.80
					Lookup soil	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MG-LF
					Sample Ref	1	3	4	7	8	1	7	9	4	6	3	4	5	1	5	6	3	1	5	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																				
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																				
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																				
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																				
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																				
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																				
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																				
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1	<1	<1	3.9	<1	<1	<1	9.3	5.1	<1	<1	<1	<1	<1	<1	2.0	<0.5	<1	<1	<0.5
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																				
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	108.0	249.0	32.7	110.0	139.0	55.5	93.4	648.0	80.8	31.4	30.2	133.0	167.0	57.4	122.0	386.0	0.0	145.0	35.3	0.1
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	2.2	0.3	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.0001	<0.14	<0.14	<0.0001
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	22.2	28.8	13.1	13.9	26.8	18.1	37.1	83.3	27.7	40.0	15.4	14.8	19.0	33.8	18.5	35.8	0.7	373.0	22.1	0.1
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	<0.6	<0.6	<0.6	2.1	2.0	<0.6	2.1	10.2	0.7	<0.6	<0.6	2.7	3.5	<0.6	5.9	8.2	1.5	<0.6	<0.6	<6
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	21.5	19.7	15.6	11.2	12.6	14.0	15.5	72.1	13.5	15.1	13.1	11.5	11.1	16.6	7.9	16.9	0.5	9.0	7.5	0.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	0.8	1.3	0.5	0.5	2.5	2.5	1.4	8.1	0.6	2.1	0.9	0.7	0.8	1.5	0.9	2.4	<0.001	3.6	1.1	<0.001
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	1.4	4.0	1.3	2.6	3.1	2.5	2.3	20.6	2.8	2.6	4.7	1.1	4.1	<1	15.7	4.8	3.5	1.2	1.9	5.1
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.1	0.9	0.0	0.4	0.6	0.2	0.0	<0.02	2.1	<0.02	0.1	0.5	0.4	0.2	0.5	0.9	0.0	3.1	0.4	<0.0008
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	11.6	24.7	17.8	9.3	39.1	17.3	38.4	19.4	35.4	33.8	19.0	11.3	36.9	16.4	15.6	19.3	0.1	26.7	12.2	0.1
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	36.8	301.0	16.3	808.0	60.9	67.8	60.8	153.0	389.0	44.0	44.8	28.2	161.0	47.4	69.7	157.0	0.1	29.5	39.6	0.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	27.9	36.4	59.4	13.1	48.9	39.8	32.2	57.3	23.5	89.7	36.8	26.3	33.0	43.5	20.9	40.0	0.3	82.9	26.8	<0.01
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	219.0	741.0	65.6	263.0	205.0	116.0	296.0	524.0	761.0	157.0	98.6	183.0	549.0	112.0	270.0	393.0	0.1	88.6	75.1	0.3
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.01	1.7	<1	<0.01
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																				
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																				
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																				
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																				
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.035	0.1	<0.035		0.1	<0.035	0.1	<0.035	<0.035	<0.035	<0.035	<0.035	0.1	<0.035	<0.035	<0.035	0.1	0.1	<0.035	<0.035
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	8.3	8.3	8.2	4.9	8.6	8.0	9.4	8.4	7.9	7.8	8.7	8.2	8.6	8.3	8.5	8.3	8.7	8.9	7.9	7.3
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH205A	AEC18-LF-BH205A	AEC18-LF-BH206	AEC18-LF-BH206	AEC18-LF-BH206	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH210
					Sample Top	0.30	3.50	2.80	5.00	6.40	0.10	12.10	17.60	7.50	11.80	4.80	7.50	9.40	0.30	10.80	13.00	4.70	0.50	3.20	6.80
					Lookup soil	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MG-LF
					Sample Ref	1	3	4	7	8	1	7	9	4	6	3	4	5	1	5	6	3	1	5	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.01	<0.01	<0.01		0.0	<0.01	0.0	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg							<0.01						<0.01							
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg							<0.01						<0.01							
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

Appendix G

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH205A	AEC18-LF-BH205A	AEC18-LF-BH206	AEC18-LF-BH206	AEC18-LF-BH206	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH210
					Sample Top	0.30	3.50	2.80	5.00	6.40	0.10	12.10	17.60	7.50	11.80	4.80	7.50	9.40	0.30	10.80	13.00	4.70	0.50	3.20	6.80
					Lookup soil	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MG-LF
					Sample Ref	1	3	4	7	8	1	7	9	4	6	3	4	5	1	5	6	3	1	5	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg		<0.6						<1.2							<0.6		<0.3			<0.3
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																	<0.5			<0.5
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																	<0.5			<0.5
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg		120.0	<4	541.0	<80	<4	5.9	<40	<4				112.0		22.2	<80	674.0		<4	<4
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg		<100	<10	<200	<200				<10						15.0					<10
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg		<110	<11	<220	<220				<11						<11					<11
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg		<500	<100	78700.0	<100				<100						<100					186.0
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg		<500	<100	694.0	<100				<100						<100					<100
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg		<50	<5	<100	<100				<5						<5					<5
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg		204.0	<8	666.0	<160				<8						<8					<8
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg		<70	<7	<140	<140	<7	<7	<70	<7				<7		8.5	<140	829.0		<7	<7
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg		<50	616.0	<100	<100				<5						<5					<5
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg		<500	<100	6470.0	<100				174.0						<100					<100
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg		53800.0	<100	10800.0	516.0				2450.0						348.0					<100
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg		<500	<100	970.0	<100				901.0						1400.0					<100
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg		<500	<100	<500	<100		<50		<100				<50		<100					<100
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg		<200	<100	<400	<100				<100						<100					<100
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg		<50	<5	<100	<100				<5						<5					<5
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg		<500	<100	<500	216.0				<100						<100					<100
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg		<500	<100	<500	1480.0				158.0						<100					<100
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg		<100	<10	<200	<200				<10						18.8					<10
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<70	<7	<140	<140				<7						<7					<7
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg		<60	<6	<120	<120				<6						<6					<6
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg		<500	<100	<160	<100				<100						<100					<100
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg		<80	<8	<160	<160				<8						<8					<8
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg		<90	<9	<180	<180	<9	<9	<90	<9				<9		<9	<180	281.0		<9	<9

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH205A	AEC18-LF-BH205A	AEC18-LF-BH206	AEC18-LF-BH206	AEC18-LF-BH206	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH210
					Sample Top	0.30	3.50	2.80	5.00	6.40	0.10	12.10	17.60	7.50	11.80	4.80	7.50	9.40	0.30	10.80	13.00	4.70	0.50	3.20	6.80
					Lookup soil	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MG-LF
					Sample Ref	1	3	4	7	8	1	7	9	4	6	3	4	5	1	5	6	3	1	5	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg		<70	<7	<140	<140				<7						<7					<7
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg																	3.6			1.2
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg		<70	<7	<140	<140				<7						<7					<7
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg		<90	<9	<180	<180				<9						<9					<9
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg		<60	<6	<120	<120				<6						<6					<6
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg		<100	18.6	<200	<200				<10						<10					<10
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg		<70	13.5	<140	<140				18.6						19.1					<7
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg		<70	<7	<140	<140				<7						<7					<7
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg		<80	<8	<160	<160				<8						<8					<8
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg		<60	<6	<120	<120				<6						<6					<6
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg		<60	<6	<120	<120				<6						<6					<6
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg		<90	<9	<180	<180				<9						<9					<9
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg		<500	<100	50100.0	<100				<100						<100					<100
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg		<500	<100	2580.0	<100				<100						<100					<100
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg		131000.0	<100	1020.0	<100				<100						1810.0					<100
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg		<500	<100	<500	516.0				<100						<100					<100
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg		<200	<20	<400	<400				<20						<20					<20
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg		<200	<100	<400	<100				<100						<100					<100
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg		<500	<100	<500	804.0				<100						<100					<100
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg		<100	<10	<200	<200	<10	<10	<100	<10				60.2		<10	<200	559.0		<10	<10
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg		<90	<9	<180	<180				<9						<9					<9
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg		<100	<100	<200	<100				<10						<10					<10
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg		751.0	<9	2090.0	236.0				<9						108.0					<9
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg		<140	<14	<280	<280				<14						<14					<14
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg		<160	<16	<320	<320				<16						<16					<16
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg		<140	<14	<280	<280				<14						<14					<14
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg		65.3	<5	<100	<100				<5						18.2					<5
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg		<100	<10	<200	<200				<10						28.7					<10
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg		570.0	<10	2390.0	<200	<10	<10	<100	<10				513.0		271.0	<200	3820.0		<10	<10
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg							<0.01						<0.01							
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg							<0.01						<0.01							
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH205A	AEC18-LF-BH205A	AEC18-LF-BH206	AEC18-LF-BH206	AEC18-LF-BH206	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH210
					Sample Top	0.30	3.50	2.80	5.00	6.40	0.10	12.10	17.60	7.50	11.80	4.80	7.50	9.40	0.30	10.80	13.00	4.70	0.50	3.20	6.80
					Lookup soil	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MG-LF
					Sample Ref	1	3	4	7	8	1	7	9	4	6	3	4	5	1	5	6	3	1	5	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg							<0.01						<0.01							
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg							<0.01						<0.01							
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg							<0.01						<0.01							
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg							<0.01						<0.01							
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg							<0.01						<0.01							
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg							<0.01						<0.01							
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH205A	AEC18-LF-BH205A	AEC18-LF-BH206	AEC18-LF-BH206	AEC18-LF-BH206	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH210
					Sample Top	0.30	3.50	2.80	5.00	6.40	0.10	12.10	17.60	7.50	11.80	4.80	7.50	9.40	0.30	10.80	13.00	4.70	0.50	3.20	6.80
					Lookup soil	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MG-LF
					Sample Ref	1	3	4	7	8	1	7	9	4	6	3	4	5	1	5	6	3	1	5	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg							<0.01						<0.01							
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg							<0.01						<0.01							
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg							<0.01						<0.01							
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg							<0.01						<0.01							
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg							<0.01						<0.01							
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg							<0.01						<0.01							
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg							<50						<50							
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg		<500	<100	<160	2410.0	303.0	198.0	161.0	<100				1410.0		180.0	1880.0	1100.0		30.0	128.0
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg		<500	185.0	589.0	9350.0	1660.0	1090.0	785.0	806.0				4360.0		492.0	15100.0	4600.0		219.0	1150.0
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg		<500	<100	<240	2600.0	495.0	416.0	521.0	<100				1360.0		120.0	5240.0	790.0		90.9	247.0
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg		<500	<100	<180	2940.0	456.0	382.0	387.0	174.0				1300.0		120.0	3930.0	614.0		101.0	202.0
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg		<500	<100	<150	3790.0	940.0	771.0	741.0	205.0				2870.0		156.0	8460.0	1670.0		189.0	396.0
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg		<500	234.0	<500	11300.0	1850.0	1170.0	763.0	932.0				4920.0		564.0	16900.0	5400.0		243.0	1250.0
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg		<500	<100	<140	2410.0	362.0	307.0	242.0	174.0				1120.0		156.0	3220.0	694.0		57.0	205.0
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg		<500	<100	<120	204.0	80.1	35.2	71.7	<100				92.7		<100	274.0	<120		<12	<100
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg		<500	123.0	491.0	4030.0	794.0	539.0	548.0	269.0				2070.0		216.0	6140.0	1650.0		116.0	466.0
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg		<500	<100	<150	3950.0	745.0	541.0	540.0	253.0				2090.0		192.0	6270.0	1130.0		115.0	370.0
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg		<500	<100	<230	372.0	105.0	87.7	105.0	<100				284.0		<100	964.0	<230		<23	52.1
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg		<500	135.0	<140	4630.0	734.0	513.0	508.0	332.0				2110.0		228.0	6510.0	1360.0		103.0	413.0
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg		<500	<100	<500	2750.0	221.0	177.0	15.4	521.0				1240.0		192.0	558.0	588.0		18.3	<100
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg		<500	<100	718.0	10400.0	966.0	662.0	286.0	869.0				6020.0		684.0	6400.0	4810.0		112.0	490.0
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg		<500	<100	<500	2480.0	185.0	162.0	47.3	316.0				1320.0		156.0	542.0	672.0		12.5	<100
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg		<500	<100	<500	588.0	156.0	140.0	62.8	<100				1290.0		<100	140.0	177.0		13.1	<100
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																	2.9			<0.5
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	<0.015	0.1	<0.015		0.0	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.1	<0.015	<0.015	<0.075	<0.075	0.0	<0.015	<0.015
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	<0.01	<0.01	<0.01		0.0	<0.01	0.0	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.1	0.0	<0.01	0.0
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Trace	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Detected	Not Detected	Not Detected		Not Detected
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected	Detected	Not Detected		Not Detected
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg							<0.02						<0.02							
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg							<0.02						<0.02							
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg							<0.02						<0.02							
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<100	<10	<200	<200			<100	<10						<10	<200	<200			<10
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g							<0.0011													
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg							<0.01						<0.01							
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g							<0.0017													
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<50						<50							

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH205A	AEC18-LF-BH205A	AEC18-LF-BH206	AEC18-LF-BH206	AEC18-LF-BH206	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH210
					Sample Top	0.30	3.50	2.80	5.00	6.40	0.10	12.10	17.60	7.50	11.80	4.80	7.50	9.40	0.30	10.80	13.00	4.70	0.50	3.20	6.80
					Lookup soil	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MG-LF
					Sample Ref	1	3	4	7	8	1	7	9	4	6	3	4	5	1	5	6	3	1	5	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
												7.7													
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g							0.7													
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g							3.1													
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g							1.1													
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g							<0.005													
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg							<0.01						<0.01							
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g							0.2													
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g							0.8													
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g							<0.012													
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g							<0.0017													
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g							0.1													
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g							<0.0017													
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g							<0.003													
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<50						<50							
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g							0.3													
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g							<0.016													
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g							<0.001													
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g							<0.001													
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g							<0.0011													
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g							0.0													
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g							<0.0017													
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g							<0.0011													
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg							<0.01						<0.01							
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g							0.1													
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g							<0.016													
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g							0.2													
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g							0.1													
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g							<0.0011													
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg							<0.01						<0.01							
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<50						<50							
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g							<0.0011													
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g							0.1													
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg							<0.01						<0.01							
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg							<0.05						<0.05							
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg	690.0	<40	2930.0	<800				<400	<40						302.0	<800	6160.0			
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg	<10	<10	<10	<10				<10	<10						<10	<10	16.5			
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<10	<10	35.0	<10				<10	<10						<10	<10	27.9			
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg	1430.0	146.0	5560.0	1600.0				9010.0	179.0						1200.0	533.0	1810.0			
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg	1030.0	221.0	3370.0	2270.0				12200.0	199.0						1670.0	624.0	1000.0			
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg	36400.0	3220.0	21700.0	61600.0				6220.0	9470.0						10500.0	10600.0	12800.0			
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg	128000.0	12600.0	270000.0	228000.0				46700.0	57000.0						42900.0	98500.0	236000.0			
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg	504000.0	30400.0	2220000.0	663000.0				225000.0	530000.0						184000.0	429000.0	2390000.0			
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg	110000.0	10000.0	154000.0	258000.0				74200.0	45700.0						51100.0	162000.0	451000.0			
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg	16.0	13.5	33.4	124.0				25.2	<10						25.2	21.2	47.0			
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg	421.0	97.2	924.0	1910.0				216.0	94.8						238.0	94.4	638.0			
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg	1450.0	220.0	8340.0	2410.0				13500.0	269.0						1800.0	799.0	2710.0			
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg	1550.0	332.0	5050.0	3410.0				18400.0	299.0						2510.0	936.0	1500.0			
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg	102000.0	7430.0	24600.0	69600.0				30400.0	18300.0						24600.0	7100.0	59700.0			
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg	307000.0	16200.0	332000.0	251000.0				58100.0	117000.0						58700.0	39000.0	628000.0			
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg	1590000.0	24700.0	2370000.0	1140000.0				344000.0	628000.0						325000.0	252000.0	3170000.0			
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg	229000.0	2970.0	126000.0	277000.0				156000.0	207000.0						69100.0	83600.0	404000.0			
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																	<0.3			<0.3
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																	315.0			57.0
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																	<5			21.8
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																	0.4			<0.1
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																	1.8			<0.6
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																	4.7			<0.19
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																	17.4			75.7
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																	1.5			0.2
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																	141.0			74.0
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																	154.0			86.4
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																	298.0			1140.0
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																	140.0			51.8
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																	<0.03			3.0
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg	<500	<100	<500	<100					<100						<100					<100
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<500	<100	<500	<100					<100						<100					<100

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH205A	AEC18-LF-BH205A	AEC18-LF-BH206	AEC18-LF-BH206	AEC18-LF-BH206	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH207A	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH208	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH209 (PFCP73)	AEC18-LF-BH210	AEC18-LF-BH210	AEC18-LF-BH210
					Sample Top	0.30	3.50	2.80	5.00	6.40	0.10	12.10	17.60	7.50	11.80	4.80	7.50	9.40	0.30	10.80	13.00	4.70	0.50	3.20	6.80
					Lookup soil	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MG-LF
					Sample Ref	1	3	4	7	8	1	7	9	4	6	3	4	5	1	5	6	3	1	5	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<500	<100	<500	<100				<100						<100					<100
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<100	<10	<200	<200				<10						<10					<10
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH210	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212A	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217
					Sample Top	8.80	1.20	10.70	17.00	6.40	9.40	20.00	13.70	19.00	4.70	0.40	14.20	8.20	1.60	4.40	5.90	1.80	10.90	13.20	5.10
					Lookup soil	MG-LF	ZCL	MG-LF	MADE GROUND	MG-LF	MG-LF	DVY	MG-LF	HEAD	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	ZCL
					Sample Ref	9	2	7	10	5	6	1	7	9	4	1	7	5	3	6	7	3	8	10	
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																				
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																				
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																				
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																				
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																				
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																				
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																				
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1	1.7		<1	3.2	<1	<1	2.8	1.0	<1	<1	12.4	18.8	<1	<1	1.7	<1		<0.5	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																				
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	289.0	35.5		54.4	107.0	49.5	169.0	186.0	24.8	161.0	192.0	113.0	104.0	69.2	347.0	544.0	242.0		0.0	393.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.14	<0.14		<0.14	<0.14	0.2	<0.14	<0.14	<0.14	<0.14	<0.14	1.1	0.2	<0.14	<1.4	<1.4	<0.14		<0.0001	1.6
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	75.2	18.5		11.4	13.3	22.9	21.7	48.7	57.0	12.9	25.3	14.3	29.8	22.1	446.0	283.0	23.3		0.1	30.7
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	16.1	1.1		<0.6	2.2	2.7	<0.6	3.4	<0.6	<0.6	5.6	3.3	1.7	4.0	14.4	10.6	3.1		0.2	3.2
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	52.0	3.4		6.4	9.8	7.1	16.1	26.1	15.7	7.4	14.8	6.5	11.5	9.5	10.7	43.5	11.9		0.0	21.8
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	4.8	0.3		0.7	0.6	0.1	1.3	2.7	3.2	0.5	0.8	0.5	0.8	0.7	0.2	2.3	0.9		<0.001	1.4
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	20.2	<1		3.0	4.5	12.1	20.0	8.0	3.3	4.1	1.0	10.2	7.5	1.4	2.4	8.4	2.9		9.0	3.9
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	1.1	0.5		0.1	0.5	1.1	<0.02	1.1	0.1	2.9	0.5	0.8	1.2	0.1	1.0	2.5	0.5		0.0	1.0
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	4.9	20.8		10.2	16.1	43.5	29.0	71.5	35.6	5.9	24.0	30.5	22.7	19.5	93.1	71.6	13.1		0.1	16.5
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	175.0	48.1		17.1	48.9	238.0	14.5	335.0	35.5	24.9	62.6	170.0	79.8	26.4	39.6	165.0	73.8		0.0	121.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	39.5	7.7		16.7	12.7	8.8	62.7	54.4	71.9	18.0	36.3	10.8	28.5	26.0	16.0	43.0	29.9		<0.01	38.9
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	650.0	167.0		60.0	126.0	1190.0	71.1	332.0	107.0	107.0	195.0	201.0	364.0	121.0	138.0	401.0	234.0		0.0	348.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	1.3	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<1		<0.01	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																				
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																				
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																				
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																				
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.035	<0.035		<0.035	<0.035		<0.035	0.1	<0.035	3.5	<0.035	0.2	<0.035	<0.035	0.3	<0.035	<0.035		<0.035	<0.035
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	7.4	7.9		8.9	7.9	7.2	8.9	8.7	8.0	8.0	8.7	8.0	7.5	8.4	7.8	7.5	8.2		8.1	8.0
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH210	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212A	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217
					Sample Top	8.80	1.20	10.70	17.00	6.40	9.40	20.00	13.70	19.00	4.70	0.40	14.20	8.20	1.60	4.40	5.90	1.80	10.90	13.20	5.10
					Lookup soil	MG-LF	ZCL	MG-LF	MADE GROUND	MG-LF	MG-LF	DVY	MG-LF	HEAD	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	ZCL
					Sample Ref	9	2	7	10	5	6	1	7	9	4	1	7	5	3	6	7	3	8	10	
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.01	<0.01		<0.01	<0.05		<0.01	0.0	<0.01	0.0	<0.01	0.0	<0.05	<0.01	0.0	<0.01	<0.01		<0.01	<0.01
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01	
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01	
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH210	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212A	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217
					Sample Top	8.80	1.20	10.70	17.00	6.40	9.40	20.00	13.70	19.00	4.70	0.40	14.20	8.20	1.60	4.40	5.90	1.80	10.90	13.20	5.10
					Lookup soil	MG-LF	ZCL	MG-LF	MADE GROUND	MG-LF	MG-LF	DVY	MG-LF	HEAD	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	ZCL
					Sample Ref	9	2	7	10	5	6	1	7	9	4	1	7	5	3	6	7	3	8	10	
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg													<0.6			<0.6			<0.3	
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg													<1			<1			<0.5	
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg													1.3			4.6			<0.5	
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100	
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg	<800		923.0	<4	166.0	1510.0		80.6		459.0		<40	<40		66400.0	<80	<4	<80	5.4	<4
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10	
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10	
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10	
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg	<2000		<100		53.8	<200		<100		80.7		<100	<100		1370.0	<200		<200	<10	
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg	<2200		<110		<11	<220		<110		23.9		<110	<110		<220	<220		<220	<11	
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg	169.0		<100		<100	1890.0		<100		<200		<100	<100		268.0	<100		<100	<100	
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10	
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg	278.0		<100		<100	50500.0		<100		900.0		<100	<100		<100	<100		<100	<100	
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg	<100		107.0		<100	1230.0		<100		<200		<100	<100		<100	<100		<100	<100	
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10	
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg	<1000		<50		<5	<100		<50		<5		<50	<50		<100	<100		<100	<5	
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg	<1600		603.0		216.0	1700.0		<80		290.0		<80	<80		17600.0	<160		1170.0	237.0	
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10	
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg	<1400		<70	<7	10.5	<140		<70		406.0		<70	<70		216.0	<140	<7	<140	<7	<7
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg	<1000		<50		<5	<100		<50		6.9		<50	<50		<100	<100		<100	<5	
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg	<100		<100		<100	14000.0		<100		<200		<100	<100		<100	<100		<100	<100	
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100	
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100	
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg	<100		16700.0		760.0	6040.0		9090.0		792.0		1140.0	<100		1630.0	<100		<100	<100	
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg	<100		987.0		<100	995.0		524.0		<200		<100	<100		<100	<100		<100	<100	
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100	
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg	<100		<100		<100	<100		<100		<20		<100	<100		<100	<100		<100	<100	
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100	
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100	
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10	
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg	<1000		<50		<5	<100		<50		<5		<50	<50		<100	<100		<100	<5	
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100	
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg	<100		185.0		474.0	213.0		<100		588.0		189.0	<100		590.0	<100		<100	<100	
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg	<2000		<100		28.1	<200		<100		27.7		<100	<100		578.0	<200		<200	33.6	
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<1400		<70		<7	<140		<70		<7		<70	<70		<140	<140		<140	<7	
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg	<1200		<60		<6	<120		<60		<6		<60	<60		<120	<120		<120	<6	
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10	
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100	
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100	
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10	
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10	
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10	
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg	<100		1160.0		<100	539.0		<100		<200		<100	<100		<100	<100		<100	<100	
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg	<100		<100		<100	2280.0		<100		<200		<100	<100		<100	<100		<100	<100	
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100	
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10	
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg	<1600		<80		<8	<160		<80		<8		<80	<80		<160	<160		<160	<8	
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100	
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg	<1800		<90	<9	<9	<180		<90		<9		<90	<90		<180	<180	<9	<180	<9	<9

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH210	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212A	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	
					Sample Top	8.80	1.20	10.70	17.00	6.40	9.40	20.00	13.70	19.00	4.70	0.40	14.20	8.20	1.60	4.40	5.90	1.80	10.90	13.20	5.10	
					Lookup soil	MG-LF	ZCL	MG-LF	MADE GROUND	MG-LF	MG-LF	DVY	MG-LF	HEAD	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	ZCL	
					Sample Ref	9	2	7	10	5	6	1	7	9	4	1	7	5	3	6	7	3	8	10		
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg	<1400		<70		<7	<140		<70		<7		<70	<70		<140	<140		<140	<7		
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg																			1.1		
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10		
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg	<1400		<70		<7	<140		<70		<7		<70	<70		<140	<140		<140	<7		
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg	<1800		<90		<9	<180		<90		<9		<90	<90		<180	<180		<180	<9		
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10		
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10		
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg	<1200		<60		<6	<120		<60		<6		<60	<60		<120	<120		<120	<6		
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	222.0		<200	<200		<200	<10		
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg	<1400		<70		20.5	<140		<70		12.9		<70	<70		279.0	<140		<140	32.9		
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10		
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg	<1400		<70		<7	<140		<70		<7		<70	<70		<140	<140		<140	<7		
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg	<1600		<80		<8	<160		<80		<8		<80	<80		<160	<160		<160	<8		
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10		
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg	<1200		<60		789.0	<120		<60		<6		<60	<60		<120	<120		<120	<6		
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg	<1200		<60		<6	<120		<60		<6		<60	<60		<120	<120		<120	<6		
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100		
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100		
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10		
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10		
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg	<1800		<90		<9	<180		<90		<9		<90	<90		<180	<180		<180	<9		
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10		
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg	<100		<100		<100	1030.0		<100		<200		<100	<100		<100	<100		<100	<100		
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg	<100		4650.0		7460.0	103000.0		649.0		<200		184.0	<100		1230.0	<100		1230.0	158.0		
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg	<100		<100		439.0	746.0		22600.0		1080.0		253.0	<100		965.0	<100		<100	<100		
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg	<100		<100		<100	<100		<100		636.0		<100	<100		228.0	<100		<100	<100		
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg	<4000		<200		<20	<400		<200		<20		<200	<200		<400	<400		<400	<20		
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg	<100		<100		<100	<100		<100		<20		<100	<100		<100	<100		<100	<100		
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg	<100		<100		<100	3150.0		<100		<200		<100	<100		<100	<100		<100	<100		
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100		
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100		
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg	327.0		849.0		680.0	618.0		787.0		420.0		306.0	<100		1680.0	<100		<100	<100		
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		134.0	<100		<100	<100		
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg	<2000		735.0	<10	40.8	920.0		<100		264.0		<100	<100		36400.0	<200	<10	<200	31.3	<10	
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg	<100		<100		<100	1260.0		<100		<200		<100	<100		<100	<100		<100	<100		
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg	<1800		<90		<9	<180		<90		<9		<90	<90		<180	<180		<180	<9		
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg	<100		842.0		<100	520.0		<100		<10		<100	<100		<100	<100		<100	<10		
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100		
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg	<1800		1450.0		416.0	5150.0		144.0		1040.0		<90	<90		35500.0	<180		1970.0	224.0		
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg	<100		<100		<100	648.0		<100		<200		<100	<100		<100	<100		<100	<100		
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg	<2800		<140		<14	<280		<140		<14		<140	<140		<280	<280		<280	<14		
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg	<3200		<160		<16	<320		<160		<16		<160	<160		<320	<320		<320	<16		
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg	<2800		<140		<14	<280		<140		30.7		<140	<140		<280	<280		<280	<14		
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg	<1000		102.0		67.5	156.0		<50		44.7		<50	<50		960.0	<100		<100	9.1		
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100		
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg	<2000		1660.0		<10	448.0		<100		79.3		<100	<100		909.0	<200		<200	55.5		
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg	<2000		2220.0	<10	1720.0	3570.0		350.0		1280.0		175.0	437.0		254000.0	<200	<10	<200	27.3	<10	
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																					
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																					
P1334	pH	SOLID	#N/A	mg/kg	pH																					
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																					
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																					
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500		
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500		
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500		
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01		
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500		
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500		
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																					
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																					
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01		
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																					
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																					
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																					
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																					
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																					
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500		
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																					

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH210	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212A	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217
					Sample Top	8.80	1.20	10.70	17.00	6.40	9.40	20.00	13.70	19.00	4.70	0.40	14.20	8.20	1.60	4.40	5.90	1.80	10.90	13.20	5.10
					Lookup soil	MG-LF	ZCL	MG-LF	MADE GROUND	MG-LF	MG-LF	DVY	MG-LF	HEAD	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	ZCL
					Sample Ref	9	2	7	10	5	6	1	7	9	4	1	7	5	3	6	7	3	8	10	
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01	
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01	
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg	<1000															<1000			<500	
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01	
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01	
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01	
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01	
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH210	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212A	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217
					Sample Top	8.80	1.20	10.70	17.00	6.40	9.40	20.00	13.70	19.00	4.70	0.40	14.20	8.20	1.60	4.40	5.90	1.80	10.90	13.20	5.10
					Lookup soil	MG-LF	ZCL	MG-LF	MADE GROUND	MG-LF	MG-LF	DVY	MG-LF	HEAD	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	ZCL
					Sample Ref	9	2	7	10	5	6	1	7	9	4	1	7	5	3	6	7	3	8	10	
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01	
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01	
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01	
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01	
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01	
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01	
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg	204.0		285.0	35.5	190.0	47.6		<100		2000.0		<160	<100		<100	236.0	<80	<160	304.0	475.0
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg	1610.0		1140.0	124.0	1020.0	244.0		490.0		8890.0		642.0	649.0		295.0	875.0	851.0	832.0	1830.0	1990.0
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg	695.0		<100	45.3	313.0	64.0		129.0		2020.0		<240	<240		<100	557.0	367.0	320.0	700.0	691.0
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg	555.0		370.0	30.9	506.0	59.1		<100		2320.0		<180	<180		<100	548.0	399.0	<180	560.0	553.0
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg	895.0		1040.0	70.3	451.0	93.0		<100		2570.0		368.0	339.0		<100	760.0	796.0	422.0	964.0	1220.0
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg	1810.0		1220.0	146.0	1420.0	284.0		497.0		10600.0		785.0	770.0		295.0	1150.0	886.0	998.0	2220.0	2460.0
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg	403.0		343.0	30.0	303.0	36.9		<100		1810.0		<140	<140		<100	408.0	284.0	<140	442.0	536.0
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg	51.6		<100	<12	<100	<100		<100		<200		<100	<100		<100	<100	<60	<100	<100	158.0
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg	857.0		1170.0	52.8	421.0	142.0		138.0		2740.0		291.0	427.0		172.0	534.0	438.0	378.0	965.0	956.0
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg	1020.0		993.0	50.0	480.0	89.7		<100		3140.0		281.0	481.0		<100	522.0	540.0	303.0	1030.0	1150.0
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg	145.0		<100	<23	<100	<100		<100		528.0		<230	<100		<100	<100	<115	<100	<100	192.0
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg	964.0		296.0	49.6	462.0	82.6		166.0		3890.0		246.0	417.0		<100	393.0	464.0	335.0	1100.0	1120.0
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg	<100		399.0	26.7	605.0	48.0		171.0		1050.0		614.0	<100		962.0	200.0	<40	<100	113.0	54.7
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg	684.0		1770.0	90.9	1330.0	387.0		704.0		6910.0		875.0	<100		725.0	1110.0	112.0	545.0	1020.0	1920.0
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg	58.5		479.0	12.9	432.0	61.5		156.0		1380.0		294.0	<100		421.0	210.0	<50	<100	123.0	159.0
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg	<2600		<130	<9	370.0	467.0		<130		428.0		<130	<100		8000.0	<260	<45	<260	57.1	32.8
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg													2.4			<1			<0.5	
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	<0.015	<0.015		<0.015	<0.075		<0.015	0.1	<0.015	0.2	<0.015	0.1	<0.075	<0.015	0.1	<0.015	<0.015		0.0	<0.015
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	<0.01	<0.01		<0.01	<0.05		<0.01	0.0	0.0	3.3	<0.01	0.0	<0.05	<0.01	0.2	<0.01	<0.01		0.0	<0.01
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected		Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected		Not Detected	Detected	Not Detected		Not Detected		Not Detected	Detected	Not Detected	Not Detected	Trace	Not Detected		Detected	Detected	Detected	Detected
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected		Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected		Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Detected	Not Detected	Not Detected
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected		Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected		Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg	<0.02							0.0								<0.02			<0.02	
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg	<0.02							0.0								<0.02			<0.02	
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg	<0.02							<0.02								<0.02			<0.02	
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																<0.0012			<0.00098	
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01	
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																<0.0014			<0.0035	
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH210	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212A	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217
					Sample Top	8.80	1.20	10.70	17.00	6.40	9.40	20.00	13.70	19.00	4.70	0.40	14.20	8.20	1.60	4.40	5.90	1.80	10.90	13.20	5.10
					Lookup soil	MG-LF	ZCL	MG-LF	MADE GROUND	MG-LF	MG-LF	DVY	MG-LF	HEAD	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	ZCL
					Sample Ref	9	2	7	10	5	6	1	7	9	4	1	7	5	3	6	7	3	8	10	
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
																					6.1			250.0	
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																1.2			70.0	
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																2.3			120.0	
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																<0.075			0.2	
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																0.2			0.7	
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg	<0.01							<0.01								<0.1			<0.01	
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																<0.0023			0.0	
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																0.7			10.0	
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																<0.005			0.0	
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																<0.0014			<0.0017	
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																0.1			1.1	
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																<0.0012			<0.0014	
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																<0.0013			0.0	
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																1.0			13.0	
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																<0.0036			<0.0027	
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																<0.0014			0.0	
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																<0.0014			0.0	
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																<0.0016			0.0	
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																0.0			0.4	
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																<0.0014			<0.0017	
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																<0.0016			0.0	
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01	
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																0.1			7.2	
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																<0.0036			0.0	
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																0.1			2.1	
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																0.1			6.1	
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																<0.0016			0.0	
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01	
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<1000							<50								<500			<500	
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																<0.0016			<0.0013	
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																0.1			11.0	
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01							<0.01								<0.01			<0.01	
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.05							<0.05								<0.05			<0.05	
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg	<8000				1940.0							<400				<800		<800	63.9	
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg	<10				<10							<10				<10		<10	<10	
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<10				12.2							12.2				<10		<10	<10	
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg	18.2				3530.0							2130.0				1700.0		7580.0	3280.0	
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg	16.9				2200.0							2670.0				3350.0		21100.0	8130.0	
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg	4530.0				197000.0							10600.0				20200.0		17600.0	11200.0	
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg	25600.0				432000.0							121000.0				313000.0		271000.0	85500.0	
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg	123000.0				771000.0							345000.0				1170000.0		1220000.0	310000.0	
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg	29900.0				194000.0							64400.0				157000.0		439000.0	81100.0	
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<10				43.2							33.8				49.8		34.6	27.7	
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg	39.9				709.0							267.0				131.0		98.6	106.0	
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg	26.6				5300.0							3200.0				2550.0		11400.0	4920.0	
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg	25.4				3300.0							4000.0				5020.0		31600.0	12200.0	
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg	3780.0				756000.0							23900.0				35600.0		63100.0	15000.0	
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg	29700.0				1750000.0							135000.0				555000.0		528000.0	103000.0	
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg	240000.0				3490000.0							602000.0				2590000.0		2770000.0	525000.0	
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg	65000.0				510000.0							87000.0				345000.0		985000.0	126000.0	
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			<0.3	
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																			85.0	
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																			<5	
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																			<0.1	
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																			<0.6	
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																			<0.19	
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																			49.1	
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																			1.1	
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																			108.0	
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																			138.0	
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																			171.0	
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																			204.0	
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																			0.3	
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100	
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100	

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH210	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212	AEC18-LF-BH212A	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH213	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH214	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH216	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217	AEC18-LF-BH217
					Sample Top	8.80	1.20	10.70	17.00	6.40	9.40	20.00	13.70	19.00	4.70	0.40	14.20	8.20	1.60	4.40	5.90	1.80	10.90	13.20	5.10
					Lookup soil	MG-LF	ZCL	MG-LF	MADE GROUND	MG-LF	MG-LF	DVY	MG-LF	HEAD	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	ZCL
					Sample Ref	9	2	7	10	5	6	1	7	9	4	1	7	5	3	6	7	3	8	10	
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100	
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100	
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100	
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100	
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100		<100		<100	<100		<100		<200		<100	<100		<100	<100		<100	<100	
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<2000		<100		<10	<200		<100		<10		<100	<100		<200	<200		<200	<10	
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH217	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH221	AEC18-LF-BH221	AEC18-LF-BH221	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223
					Sample Top	7.00	1.00	5.20	9.50	10.50	16.00	4.50	0.10	11.10	5.60	0.30	3.80	6.90	0.16	3.55	4.10	7.40	0.70	1.70	10.10
					Lookup soil	ZCL	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	CHK	ZCL	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	ZCL	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref		1	3	5	7	9	4	1	8	4	1	4	7	1	6	7	9	2	3	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																				
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																				
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																				
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																				
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																				
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																				
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																				
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1	<1	6.7	6.0	9.4	1.5	2.1	<1	<1	<1	<1	1.8	9.1	<1	1.8	6.3	46.9	<1	<1	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																				
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	54.7	34.7	610.0	298.0	134.0	1470.0	65.6	30.6	3.1	329.0	89.0	425.0	103.0	76.9	6680.0	201.0	706.0	86.7	58.6	95.4
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.14	<0.14	<1.4	0.2	1.5	<0.14	<0.14	<0.14	<0.14	0.3	<0.14	<0.14	<0.14	<0.14	0.6	<0.14	5.6	<0.14	<0.14	<0.14
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	28.1	27.4	73.9	142.0	54.6	37.7	63.5	54.0	13.6	44.8	26.9	45.1	65.1	25.9	125.0	75.0	48.8	18.4	25.7	72.7
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	<0.6	<0.6	<6	43.1	<0.6	7.6	<0.6	<0.6	<0.6	1.4	1.3	10.4	2.3	3.9	29.8	4.9	7.6	0.7	0.9	2.4
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	15.1	11.2	17.8	32.9	17.8	18.0	11.2	9.4	2.8	21.4	19.0	28.5	59.7	14.4	20.1	25.0	36.3	7.8	15.6	27.4
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.6	1.6	0.6	2.6	0.8	2.1	0.8	1.6	0.9	0.9	1.9	<0.01	2.9	1.2	0.7	5.2	2.0	0.7	1.0	0.6
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	8.3	<1	3.8	2.9	13.4	12.9	3.9	<1	5.2	3.3	<1	59.5	16.3	1.9	4.8	7.7	30.2	<1	1.9	2.3
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.4	<0.02	<0.2	1.8	1.9	2.1	0.1	0.0	0.1	0.3	<0.02	2.3	<0.02	0.5	2.0	1.9	6.0	0.4	0.5	0.7
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	22.4	25.5	360.0	84.2	22.5	28.1	28.8	29.7	10.6	19.7	25.4	<0.9	135.0	21.6	74.9	30.6	18.6	15.7	12.5	13.9
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	41.3	20.6	103.0	587.0	358.0	422.0	35.8	28.6	8.4	106.0	30.1	191.0	147.0	69.4	459.0	208.0	193.0	14.9	21.1	806.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	39.1	44.4	225.0	34.3	20.0	46.9	25.1	32.2	18.1	40.5	47.2	21.6	60.0	39.4	28.8	66.6	23.9	32.7	31.6	35.1
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	137.0	72.8	15600.0	340.0	810.0	935.0	139.0	76.9	32.3	239.0	94.4	4270.0	340.0	182.0	517.0	394.0	3350.0	59.7	89.0	286.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	1.3	<1	<10	2.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.3	2.1	<10	<1	<1	1.7
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																				
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																				
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																				
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																				
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.035	<0.035	3.4	0.1	0.1	<0.035	<0.035	<0.035	<0.035	0.0	<0.035	<0.035	<0.035	<0.035	0.1	<0.035	<0.035	<0.035	<0.035	0.1
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	8.5	8.4	8.0	7.9	7.4	8.8	8.2	8.0	8.8	8.2	9.3	7.7	8.2	8.5	7.9	7.7	7.9	9.0	8.5	8.4
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH217	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH221	AEC18-LF-BH221	AEC18-LF-BH221	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223
					Sample Top	7.00	1.00	5.20	9.50	10.50	16.00	4.50	0.10	11.10	5.60	0.30	3.80	6.90	0.16	3.55	4.10	7.40	0.70	1.70	10.10
					Lookup soil	ZCL	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	CHK	ZCL	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	ZCL	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref		1	3	5	7	9	4	1	8	4	1	4	7	1	6	7	9	2	3	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.01	<0.01	3.2	<0.01	0.0	<0.05	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg						<0.01							<0.01				<0.01			
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH217	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH221	AEC18-LF-BH221	AEC18-LF-BH221	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223
					Sample Top	7.00	1.00	5.20	9.50	10.50	16.00	4.50	0.10	11.10	5.60	0.30	3.80	6.90	0.16	3.55	4.10	7.40	0.70	1.70	10.10
					Lookup soil	ZCL	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	CHK	ZCL	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	ZCL	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref		1	3	5	7	9	4	1	8	4	1	4	7	1	6	7	9	2	3	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg					<1.2	<0.6											<0.6			
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg				<100											<100		<100	<100		
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg	<4		<80	<80	<80	47.0			<4	<4		<4	<40	<4	<80	<80	<80	18.9	10.9	4.7
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg				<200											<200		<200	<10		
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg				<200											<200		<200	<10		
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg				<200											<200		<200	<10		
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg				<200											<200		<200	<10		
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg				<220											<220		<220	<11		
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg				<100											<100		<100	<100		
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg				<200											<200		<200	<10		
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg				<100											<100		<100	<100		
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg				<100											<100		<100	<100		
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg				<200											<200		<200	<10		
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg				<100											<100		<100	<5		
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg				<160											<160		<160	80.9		
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg				<200											<200		<200	<10		
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg	<7		<140	<140	<140	<7			<7	<7		<7	<70	<7	<140	<140	<140	<7	<7	<7
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg				<100											<100		<100	<5		
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg				<100											<100		<100	<100		
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg				<100											<100		<100	<100		
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg				<100											<100		<100	<100		
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg				<100											13900.0		<100	<100		
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg				151.0											<100		<100	<100		
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg				<100		<50							<50		<100		<100	<100		
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg				<100											<100		<100	<100		
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg				<100											<100		<100	<100		
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg				<100											<100		<100	<100		
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg				<200											<200		<200	<10		
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg				<100											<100		<100	<5		
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg				<100											<100		<100	<100		
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg				<100											<100		<100	<100		
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg				<200											<200		<200	<10		
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg				<140											<140		<140	<7		
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg				<120											<120		<120	<6		
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg				<200											<200		<200	<10		
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg				<100											<100		<100	<100		
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg				<100											<100		<100	<100		
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg				<200											<200		<200	<10		
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg				<200											<200		<200	<10		
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg				<200											<200		<200	<10		
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg				<100											<100		<100	<100		
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg				<100											<100		<100	<100		
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg				<100											<100		<100	<100		
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg				<200											<200		<200	<10		
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg				<160											<160		<160	<8		
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg				<100											<100		<100	<100		
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg	<9		<180	<180	<180	<9			<9	<9		<9	<90	<9	<180	<180	<180	<9	<9	<9

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH217	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH221	AEC18-LF-BH221	AEC18-LF-BH221	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223
					Sample Top	7.00	1.00	5.20	9.50	10.50	16.00	4.50	0.10	11.10	5.60	0.30	3.80	6.90	0.16	3.55	4.10	7.40	0.70	1.70	10.10
					Lookup soil	ZCL	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	CHK	ZCL	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	ZCL	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref		1	3	5	7	9	4	1	8	4	1	4	7	1	6	7	9	2	3	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg				<140											<140		<140	<7		
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg																				
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg				<200											<200		<200	<10		
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg				<140											<140		<140	<7		
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg				<180											<180		<180	<9		
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg				<200											<200		<200	<10		
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg				<200											<200		<200	<10		
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg				<120											<120		<120	<6		
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg				<200											<200		<200	<10		
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg				<140											<140		<140	<7		
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg				<200											<200		<200	<10		
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg				<140											<140		<140	<7		
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg				<160											<160		<160	<8		
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg				<200											<200		<200	<10		
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg				<120											<120		<120	<6		
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg				<120											<120		<120	<6		
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg				<100											<100		<100	<100		
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg				<100											<100		<100	<100		
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg				<200											<200		<200	<10		
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg				<200											<200		<200	<10		
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg				<180											<180		<180	<9		
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg				<200											<200		<200	<10		
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg				<100											<100		<100	<100		
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg				2350.0											<100		<100	<100		
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg				<100											<100		<100	677.0		
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg				<100											<100		<100	<100		
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg				<400											<400		<400	<20		
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg				<100											<100		<100	<100		
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg				<100											<100		<100	<100		
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg				<100											<100		<100	<100		
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg				<100											<100		<100	<100		
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg				<100											<100		<100	<100		
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg				<100											<100		<100	<100		
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg	<10		<200	<200	<200	29.2			<10	<10		<10	<100	<10	<200	<200	<200	16.9	<10	<10
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg				<100											<100		<100	<100		
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg				<180											<180		<180	<9		
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg				<100											<100		<100	<10		
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg				<100											<100		<100	<100		
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg				<180											<180		<180	345.0		
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg				<100											<100		<100	<100		
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg				<280											<280		<280	<14		
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg				<320											<320		<320	<16		
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg				<280											<280		<280	<14		
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg				<100											<100		<100	<5		
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg				<100											<100		<100	<100		
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg				<200											<200		<200	<10		
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg	<10		596.0	<200	<200	108.0			<10	<10		<10	<100	<10	<200	<200	<200	66.7	37.4	<10
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH217	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH221	AEC18-LF-BH221	AEC18-LF-BH221	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223
					Sample Top	7.00	1.00	5.20	9.50	10.50	16.00	4.50	0.10	11.10	5.60	0.30	3.80	6.90	0.16	3.55	4.10	7.40	0.70	1.70	10.10
					Lookup soil	ZCL	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	CHK	ZCL	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	ZCL	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref		1	3	5	7	9	4	1	8	4	1	4	7	1	6	7	9	2	3	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<2000			
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH217	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH221	AEC18-LF-BH221	AEC18-LF-BH221	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223
					Sample Top	7.00	1.00	5.20	9.50	10.50	16.00	4.50	0.10	11.10	5.60	0.30	3.80	6.90	0.16	3.55	4.10	7.40	0.70	1.70	10.10
					Lookup soil	ZCL	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	CHK	ZCL	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	ZCL	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref		1	3	5	7	9	4	1	8	4	1	4	7	1	6	7	9	2	3	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg						<50							<50				<1000			
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg	2070.0		<16	116.0	610.0	980.0			<16	147.0		<80	<16	379.0	<100	161.0	224.0	<100	84.5	106.0
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg	7050.0		134.0	1290.0	877.0	6050.0			<15	919.0		437.0	29.5	2670.0	135.0	2970.0	2230.0	644.0	572.0	389.0
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg	1560.0		85.5	638.0	<120	1590.0			<24	474.0		215.0	<24	1130.0	<100	1490.0	752.0	244.0	168.0	106.0
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg	1330.0		84.8	754.0	<90	1800.0			<18	487.0		187.0	<18	1090.0	<100	1180.0	858.0	<180	144.0	85.9
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg	3040.0		170.0	928.0	225.0	3270.0			<15	845.0		338.0	32.1	1650.0	62.7	2020.0	1030.0	255.0	362.0	242.0
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg	8410.0		170.0	1030.0	1020.0	6740.0			<17	1050.0		490.0	33.2	3030.0	168.0	3020.0	2590.0	710.0	635.0	444.0
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg	1180.0		57.6	557.0	<70	1270.0			<14	313.0		108.0	<14	634.0	<100	834.0	1080.0	285.0	155.0	105.0
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg	53.8		<12	<100	<60	196.0			<12	96.5		<60	<12	99.0	<100	53.0	<100	<100	23.6	34.8
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg	2400.0		114.0	661.0	265.0	2260.0			<10	526.0		271.0	19.5	1320.0	49.1	1220.0	1160.0	366.0	260.0	170.0
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg	2720.0		89.4	650.0	193.0	2520.0			<15	623.0		194.0	<15	1620.0	<100	2050.0	1080.0	322.0	276.0	189.0
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg	357.0		<23	162.0	<115	315.0			<23	105.0		<115	<23	205.0	<100	283.0	<100	<100	33.3	<23
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg	3100.0		96.8	557.0	243.0	2250.0			<14	531.0		264.0	<14	1450.0	117.0	920.0	1120.0	355.0	275.0	188.0
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg	1310.0		<8	<100	2980.0	273.0			<8	22.8		<40	17.3	99.6	<100	27.0	<100	<100	40.1	40.7
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg	8030.0		78.0	476.0	3530.0	4670.0			<15	483.0		252.0	<15	1390.0	140.0	327.0	1120.0	344.0	253.0	300.0
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg	1470.0		<10	<100	1660.0	470.0			<10	45.0		<50	<10	108.0	<100	41.7	<100	<100	34.5	55.5
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg	39.0		31.9	<100	974.0	161.0			<9	36.5		171.0	19.1	<45	<100	29.2	<100	<100	<9	85.8
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	<0.015	<0.015	0.2	0.0	0.1	<0.075	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.1	<0.015	<0.015	<0.015	<0.015	<0.015
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	0.0	<0.01	<0.01	0.1	<0.01	<0.05	0.0	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected			Not Detected	Not Detected		Not Detected			Not Detected	Not Detected	Not Detected	
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected			Not Detected	Detected		Not Detected			Not Detected	Not Detected	Not Detected	
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected			Not Detected	Not Detected		Not Detected			Not Detected	Not Detected	Not Detected	
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected		Not Detected		Not Detected	Detected	Not Detected	Not Detected			Not Detected	Detected		Not Detected			Not Detected	Not Detected	Not Detected	
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected			Not Detected	Not Detected		Not Detected			Not Detected	Not Detected	Not Detected	
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected			Not Detected	Not Detected		Not Detected			Not Detected	Not Detected	Not Detected	
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg						<0.02							<0.02				<0.02			
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg						<0.02							<0.02				<0.02			
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg						<0.02							<0.02				<0.02			
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg				<200	<200					<10			<100		<200		<200	<10		
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g						<0.0012							<0.0008							
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g						0.0							<0.0017							
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg						<50							<50				<1000			

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH217	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH221	AEC18-LF-BH221	AEC18-LF-BH221	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223
					Sample Top	7.00	1.00	5.20	9.50	10.50	16.00	4.50	0.10	11.10	5.60	0.30	3.80	6.90	0.16	3.55	4.10	7.40	0.70	1.70	10.10
					Lookup soil	ZCL	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	CHK	ZCL	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	ZCL	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref		1	3	5	7	9	4	1	8	4	1	4	7	1	6	7	9	2	3	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
											1.7							<0.7							
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g						0.2							<0.12							
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g						0.8							<0.32							
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g						1.5							1.0							
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g						<0.0023							<0.00077							
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg						<0.01							<0.01				<0.01			
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g						0.2							0.1							
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g						0.5							<0.12							
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g						0.2							<0.0055							
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g						<0.0017							<0.0017							
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g						0.1							<0.021							
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g						<0.0041							<0.0011							
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g						<0.0055							<0.0022							
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg						<50							<50				<1000			
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g						0.2							<0.047							
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g						<0.008							<0.011							
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g						0.0							<0.0013							
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g						<0.0042							<0.0013							
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g						0.0							<0.0023							
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g						0.0							<0.0036							
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g						0.0							<0.0017							
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g						0.0							<0.0023							
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g						0.1							<0.0055							
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g						0.2							<0.021							
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g						0.2							<0.025							
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g						<0.0093							<0.0061							
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g						0.0							<0.0023							
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg						<50							<50				<1000			
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g						<0.0011							<0.0023							
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g						0.1							<0.027							
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg						<0.01							<0.01				<0.01			
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg						<0.05							<0.05				<0.05			
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg					<800					<40			<400		<800		<800			
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg					23.4					<10			<10		<10		<10			
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg					<10					<10			16.7		<10		<10			
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg					5660.0					325.0			120.0		203.0		1770.0			
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg					6670.0					357.0			215.0		160.0		1900.0			
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg					44900.0					3650.0			1040.0		2210.0		7700.0			
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg					332000.0					47000.0			5090.0		22100.0		76500.0			
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg					2060000.0					159000.0			28000.0		221000.0		432000.0			
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg					572000.0					46400.0			6280.0		34400.0		93400.0			
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg					164.0					12.3			19.5		14.5		46.2			
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg					1330.0					107.0			62.6		71.3		205.0			
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg					8490.0					486.0			179.0		304.0		2650.0			
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg					10000.0					535.0			324.0		239.0		2840.0			
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg					144000.0					<100			2430.0		1160.0		18900.0			
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg					1150000.0					11600.0			11000.0		32900.0		53200.0			
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg					5530000.0					92300.0			45200.0		199000.0		321000.0			
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg					2000000.0					22800.0			4770.0		43700.0		58500.0			
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg				<100											<100		<100	<100		
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg				<100											<100		<100	<100		

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH217	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH218	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH219	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH220	AEC18-LF-BH221	AEC18-LF-BH221	AEC18-LF-BH221	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH222	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH223
					Sample Top	7.00	1.00	5.20	9.50	10.50	16.00	4.50	0.10	11.10	5.60	0.30	3.80	6.90	0.16	3.55	4.10	7.40	0.70	1.70	10.10
					Lookup soil	ZCL	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	CHK	ZCL	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	ZCL	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref		1	3	5	7	9	4	1	8	4	1	4	7	1	6	7	9	2	3	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg				<100											<100		<100	<100		
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg				<100											<100		<100	<100		
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg				<100											<100		<100	<100		
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg				<100											<100		<100	<100		
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg				<100											<100		<100	<100		
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg				<200											<200		<200	<10		
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH224	AEC18-LF-BH224	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228
					Sample Top	5.30	7.60	0.30	4.60	0.70	13.00	3.10	7.90	9.50	1.20	10.00	5.50	1.80	3.80	5.00	0.20	1.40	10.80	11.40	12.10
					Lookup soil	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	CHK	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	CwF	CwF	CHK
					Sample Ref	5		1	4	3	11	4	7	8	2	9	6	2	4	5	1	4	9		
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																				
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																				
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																				
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																				
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																				
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																				
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																				
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	2.2	<1	<1	18.8	24.3	<1	1.4	2.3	<1	<1	<1	7.5	<0.5	<1	5.1	<1	<1	<1	<1	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																				
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	163.0	1270.0	15.0	752.0	457.0	0.8	352.0	56.8	151.0	43.2	22.1	61.4	<0.002	3.7	821.0	50.9	2.8	67.3	27.1	2.1
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	15.0	<0.14	<0.14	<1.4	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.0001	<0.14	<1.4	<0.14	<0.14	<0.14	<0.14	<0.14
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	43.8	112.0	39.9	164.0	803.0	2.1	35.0	29.8	178.0	11.7	38.4	59.7	0.2	5.5	98.5	21.0	5.9	228.0	138.0	13.9
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	1.7	32.2	<0.6	19.0	53.8	<0.6	11.3	4.3	5.6	<0.6	<0.6	2.4	4.6	<0.6	28.3	<0.6	<0.6	<0.6	<0.6	<0.6
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	18.4	27.4	10.9	22.6	18.2	<0.6	14.0	8.9	31.3	8.0	30.4	6.9	0.1	1.7	77.9	12.8	1.4	40.6	14.4	1.7
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.8	0.2	2.2	1.4	1.2	0.1	0.9	0.6	1.6	0.3	1.8	0.1	<0.001	0.2	10.8	0.8	0.3	13.5	9.6	0.5
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	5.6	1.7	<1	4.3	6.6	<1	4.7	3.2	7.5	<1	<1	3.1	23.0	13.6	62.2	1.4	<1	<1	<1	<1
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	2.0	2.3	<0.02	0.9	4.4	0.1	9.0	0.1	<0.02	0.2	<0.02	0.8	0.0	0.1	1.0	0.1	0.1	2.4	1.2	0.3
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	17.6	30.4	22.4	54.3	335.0	1.9	5.9	44.4	238.0	16.6	79.4	26.8	0.1	3.5	18.4	19.6	3.2	63.4	49.4	4.4
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	435.0	907.0	20.8	252.0	313.0	2.3	87.1	87.4	241.0	27.6	32.5	1060.0	0.0	4.9	476.0	50.0	6.6	63.2	42.7	6.8
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	28.7	32.6	52.8	27.7	41.9	4.1	24.2	18.6	23.8	11.4	78.2	4.6	0.1	6.4	63.5	53.5	6.0	87.4	74.5	7.5
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	901.0	911.0	84.2	678.0	1300.0	12.5	284.0	116.0	242.0	86.1	69.2	124.0	0.0	23.5	1010.0	83.0	23.1	315.0	242.0	35.5
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<10	1.9	<1	<1	<1	<1	<1	<1	<1	<0.01	<1	<10	<1	<1	<1	1.4	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																				
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																				
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																				
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																				
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.035	0.1	<0.035	0.3	34.8	<0.035		95.5	0.2	1.8	<0.035	0.4	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	7.4	8.4	8.1	7.0	8.1	8.9	7.6	8.4	8.4	7.9	8.0	8.2	7.8	8.8	7.9	10.6	8.3	7.9	8.0	8.5
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH224	AEC18-LF-BH224	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228
					Sample Top	5.30	7.60	0.30	4.60	0.70	13.00	3.10	7.90	9.50	1.20	10.00	5.50	1.80	3.80	5.00	0.20	1.40	10.80	11.40	12.10
					Lookup soil	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	CHK	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	CwF	CwF	CHK
					Sample Ref	5		1	4	3	11	4	7	8	2	9	6	2	4	5	1	4	9		
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																			
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																			
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.01	<0.01	<0.01	0.1	<0.05	<0.01		6.4	0.1	0.1	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																			
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																			
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																			
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																			
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																			
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																			
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																			
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																			
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																			
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																			
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																			
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																			
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																			
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																			
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																			
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																			
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																			
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																			
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																			
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																			
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																			
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																			
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																			

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH224	AEC18-LF-BH224	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228
					Sample Top	5.30	7.60	0.30	4.60	0.70	13.00	3.10	7.90	9.50	1.20	10.00	5.50	1.80	3.80	5.00	0.20	1.40	10.80	11.40	12.10
					Lookup soil	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	CHK	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	CwF	CwF	CHK
					Sample Ref	5		1	4	3	11	4	7	8	2	9	6	2	4	5	1	4	9		
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg							<0.6						<0.3							
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg				<1									<0.5							
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg				53.9									<0.5							
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg	<80	<80		<80	1770.0		250.0	<80	7.4		<4	1180.0	<80	<4	<80		<4	<4	<4	<4	<4
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg	<200	<200			<200		<200	<200				531.0	<200		<200			<10		
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg	<220	<220			<220		<220	<220				<220	<220		<220			<11		
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg	<100	<200			15400.0		<100	17200.0				<100	<100		<200			<100		
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg	<100	<200			3170.0		978.0	11700.0				<100	<100		<200			<100		
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg	<100	<100			<500		436.0	<100				<100	<100		<100			<100		
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg	<100	<100			<100		<100	<100				<100	<100		<100			<5		
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg	<160	<160			2570.0		<160	254.0				3390.0	<160		<160			<8		
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg	<140	223.0		<140	2340.0		<140	<140	10.7		<7	<140	<140	<7	<140		<7	<7	<7	<7	<7
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg	<100	<100			<100		<100	<100				<100	<100		<100			<5		
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg	<100	<200			<500		293.0	2930.0				<100	<100		<200			<100		
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg	<100	258.0			8820.0		5710.0	<500				20100.0	<100		<200			<100		
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg	<100	<200			<500		962.0	<500				6000.0	<100		<200			<100		
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg	<100	<200			<400		<100	<400				<100	<100		<200			<100		
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg	<100	<100			<100		<100	<100				<100	<100		<100			<5		
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg	<100	3860.0			<500		<100	<500				<100	<100		<200			<100		
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg	<100	<200			2690.0		93800.0	3640.0				320.0	<100		<200			<100		
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg	<200	<200			<200		<200	<200				373.0	<200		<200			<10		
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<140	<140			<140		<140	<140				<140	<140		<140			<7		
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg	<120	<120			<120		<120	<120				<120	<120		<120			<6		
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg	<100	<160			<160		<100	<160				<100	<100		<160			<100		
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg	<160	<160			<160		<160	<160				<160	<160		<160			<8		
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg	<180	<180		<180	<180		<180	<180	13.8		<9	<180	<180	<9	<180		<9	<9	<9	<9	<9

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH224	AEC18-LF-BH224	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228
					Sample Top	5.30	7.60	0.30	4.60	0.70	13.00	3.10	7.90	9.50	1.20	10.00	5.50	1.80	3.80	5.00	0.20	1.40	10.80	11.40	12.10
					Lookup soil	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	CHK	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	CwF	CwF	CHK
					Sample Ref	5		1	4	3	11	4	7	8	2	9	6	2	4	5	1	4	9		
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg	<140	<140			<140		<140	<140				<140	<140		<140			<7		
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg													1.6							
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg	<140	<140			<140		<140	<140				<140	<140		<140			<7		
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg	<180	<180			<180		<180	<180				<180	<180		<180			<9		
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg	<120	<120			<120		<120	<120				<120	<120		<120			<6		
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg	<140	<140			<140		<140	<140				<140	<140		<140			<7		
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg	<140	<140			<140		<140	<140				<140	<140		<140			<7		
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg	<160	<160			<160		<160	<160				<160	<160		<160			<8		
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg	<120	<120			<120		<120	<120				<120	<120		<120			<6		
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg	<120	<120			<120		<120	<120				<120	<120		<120			<6		
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg	<180	<180			<180		<180	<180				<180	<180		<180			<9		
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg	<100	<200			<500		375.0	<500				186.0	<100		<200			<100		
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg	<100	1070.0			31900.0		4240.0	<500				3490.0	<100		<200			<100		
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg	130.0	406.0			97700.0		831.0	<500				784.0	<100		<200			140.0		
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg	<100	<200			<500		53700.0	1290.0				113.0	<100		<200			<100		
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg	<400	<400			<400		<400	<400				<400	<400		<400			<20		
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg	<100	<200			<400		<100	<400				<100	<100		<200			<100		
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg	<100	<200			893.0		<100	<500				<100	<100		<200			<100		
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg	<100	<200			26000.0		24700.0	13000.0				3030.0	152.0		<200			<100		
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg	<100	<200			4980.0		4760.0	1390.0				<100	<100		<200			<100		
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg	<200	<200		<200	2230.0		<200	<200	<10		<10	359.0	<200	<10	<200		<10	<10	<10	<10	<10
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg	<100	<200			<500		<100	3150.0				<100	<100		<200			<100		
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg	<180	<180			<180		<180	<180				<180	<180		<180			<9		
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg	<100	<200			768.0		<100	<200				<100	<100		<200			<10		
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg	<180	<180			5610.0		416.0	681.0				6850.0	<180		<180			16.2		
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg	<280	<280			<280		<280	<280				<280	<280		<280			<14		
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg	<320	<320			<320		<320	<320				<320	<320		<320			<16		
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg	<280	<280			<280		<280	<280				<280	<280		<280			<14		
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg	<100	<100			176.0		<100	<100				502.0	<100		<100			<5		
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg	<100	<200			<500		359.0	<500				<100	<100		<200			<100		
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg	<200	<200			<200		<200	<200				598.0	<200		<200			<10		
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg	<200	<200		<200	6000.0		431.0	313.0	16.0		<10	7170.0	<200	<10	<200		<10	<10	<10	<10	<10
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

Appendix G

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH224	AEC18-LF-BH224	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228
					Sample Top	5.30	7.60	0.30	4.60	0.70	13.00	3.10	7.90	9.50	1.20	10.00	5.50	1.80	3.80	5.00	0.20	1.40	10.80	11.40	12.10
					Lookup soil	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	CHK	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	CwF	CwF	CHK
					Sample Ref	5		1	4	3	11	4	7	8	2	9	6	2	4	5	1	4	9		
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH224	AEC18-LF-BH224	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228
					Sample Top	5.30	7.60	0.30	4.60	0.70	13.00	3.10	7.90	9.50	1.20	10.00	5.50	1.80	3.80	5.00	0.20	1.40	10.80	11.40	12.10
					Lookup soil	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	CHK	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	CwF	CwF	CHK
					Sample Ref	5		1	4	3	11	4	7	8	2	9	6	2	4	5	1	4	9		
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg	<100	<200		122.0	2320.0		19400.0	6900.0	241.0		<16	<100	<100	<16	475.0		<16	<100	<16	<16
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg	169.0	1240.0		586.0	3600.0		16200.0	3450.0	792.0		<15	783.0	382.0	<15	3560.0		<15	<100	<15	<15
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg	<100	529.0		173.0	688.0		651.0	1460.0	156.0		<24	<120	104.0	<24	2680.0		<24	<100	<24	<24
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg	<100	499.0		135.0	355.0		590.0	732.0	141.0		<18	120.0	121.0	<18	2960.0		<18	<100	<18	<18
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg	<100	554.0		166.0	1020.0		2050.0	1250.0	314.0		<15	194.0	257.0	<15	2730.0		<15	<100	<15	<15
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg	182.0	1370.0		614.0	3860.0		24700.0	3590.0	1080.0		<17	876.0	442.0	<17	4450.0		<17	<100	<17	<17
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg	<100	423.0		70.2	<500		521.0	<500	94.5		<14	<70	111.0	<14	2110.0		<14	<100	<14	<14
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg	<100	<200		26.1	1130.0		784.0	1040.0	18.0		<12	202.0	<100	<12	<200		<12	<100	<12	<12
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg	<100	713.0		336.0	1530.0		2700.0	1490.0	268.0		<10	330.0	181.0	<10	2520.0		<10	<10	<10	<10
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg	<100	713.0		176.0	756.0		1260.0	1380.0	217.0		<15	153.0	188.0	<15	3220.0		<15	<100	<15	<15
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg	<100	<200		<23	<230		<115	<500	<23		<23	<100	<100	<23	264.0		<23	<100	<23	<23
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg	<100	750.0		183.0	1320.0		3230.0	2370.0	279.0		<14	207.0	202.0	<14	2710.0		<14	<100	<14	<14
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg	<100	<200		110.0	2880.0		37000.0	2300.0	204.0		<8	401.0	<100	<8	<200		<8	<100	<8	<8
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg	<100	652.0		740.0	8470.0		88900.0	9280.0	1550.0		<15	3490.0	207.0	<15	1330.0		<15	<100	<15	<15
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg	<100	<200		157.0	4360.0		36100.0	6510.0	252.0		<10	1180.0	<100	<10	<200		<10	<10	<10	<10
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg	<100	<200		142.0	7510.0		3740.0	5080.0	307.0		<9	850.0	<260	<9	<200		<9	<100	<9	<9
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg				5.2									<0.5							
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	0.0	0.0	<0.015	0.1	30.1	<0.015		63.5	0.0	0.9	<0.015	0.4	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	0.0	0.0	<0.01	0.1	4.7	<0.01		25.7	0.1	0.8	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected		Not Detected	Not Detected		Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected		Not Detected	Not Detected		Not Detected	Not Detected		Not Detected		Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected		Not Detected	Not Detected		Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected		Not Detected	Not Detected		Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected		Not Detected	Not Detected		Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected		Not Detected	Not Detected		Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10	<10	<10
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH224	AEC18-LF-BH224	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228
					Sample Top	5.30	7.60	0.30	4.60	0.70	13.00	3.10	7.90	9.50	1.20	10.00	5.50	1.80	3.80	5.00	0.20	1.40	10.80	11.40	12.10
					Lookup soil	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	CHK	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	CwF	CwF	CHK
					Sample Ref	5		1	4	3	11	4	7	8	2	9	6	2	4	5	1	4	9		
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																			
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																			
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																			
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																			
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																			
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																			
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																			
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																			
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																			
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																			
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																			
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																			
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																			
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																			
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																			
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																			
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																			
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																			
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																			
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																			
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																			
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																			
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																			
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg	<800	<800			12300.0			<800				8710.0			<800				<40	<40
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg	<10	<10			327.0			<50				<10			<10				<10	<10
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg	42.9	<10			7370.0			<50				<10			<10				<10	<10
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg	2510.0	507.0			54300.0			13500.0				3070.0			68.6				<10	61.6
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg	2630.0	522.0			67300.0			32500.0				3230.0			67.3				<10	59.0
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg	3850.0	22200.0			396000.0			439000.0				215000.0			3450.0				<100	<100
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg	62800.0	137000.0			1030000.0			742000.0				693000.0			41400.0				1780.0	<100
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg	174000.0	526000.0			3000000.0			1180000.0				1050000.0			283000.0				13300.0	<100
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg	45600.0	210000.0			516000.0			237000.0				178000.0			105000.0				757.0	<100
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg	62.4	28.3			1010.0			121.0				12.1			14.5				<10	<10
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg	607.0	218.0			13400.0			1470.0				220.0			54.1				<10	35.4
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg	3770.0	760.0			81400.0			20300.0				4610.0			103.0				<10	93.0
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg	3940.0	782.0			101000.0			48700.0				4840.0			102.0				<10	89.1
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg	7840.0	33100.0			1280000.0			375000.0				1650000.0			523.0				<100	<100
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg	60700.0	194000.0			4730000.0			394000.0				3180000.0			21000.0				2640.0	<100
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg	360000.0	912000.0			9750000.0			465000.0				2560000.0			196000.0				12400.0	<100
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg	122000.0	355000.0			1230000.0			37100.0				453000.0			51700.0				1520.0	<100
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg													<0.3						
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg													266.0						
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg													24.9						
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg													2.1						
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg													<0.6						
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg													<0.19						
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg													11.6						
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg													0.6						
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg													81.3						
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg													431.0						
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg													242.0						
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg													23.0						
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg													0.1						
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		

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					Hole Ref	AEC18-LF-BH223	AEC18-LF-BH223	AEC18-LF-BH224	AEC18-LF-BH224	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH225	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH226	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH227	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH228
					Sample Top	5.30	7.60	0.30	4.60	0.70	13.00	3.10	7.90	9.50	1.20	10.00	5.50	1.80	3.80	5.00	0.20	1.40	10.80	11.40	12.10
					Lookup soil	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	CHK	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	CwF	CwF	CHK
					Sample Ref	5		1	4	3	11	4	7	8	2	9	6	2	4	5	1	4	9		
Contaminant Code	**Contaminant Name**	**Test Type**	**RTM screening value**	**Screening units**	Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	**Azobenzene**	**SOLID - INITIAL**	**0.38**	**mg/kg**	ug/kg	<100	<200			<500		1210.0	<500				<100	<100		<200			<100		
106-47-8	**4-Chloroaniline**	**SOLID - INITIAL**	**0.01**	**mg/kg**	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
700-57-23	**4-Chlorophenylphenylether**	**SOLID - INITIAL**	**#N/A**	**mg/kg**	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
88-74-4	**2-Nitroaniline**	**SOLID - INITIAL**	**0.01**	**mg/kg**	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
99-09-2	**3-Nitroaniline**	**SOLID - INITIAL**	**#N/A**	**mg/kg**	ug/kg	<100	<200			<500		<100	<500				<100	<100		<200			<100		
994-05-8	**Tertiary Amyl Methyl Ether**	**SOLID - INITIAL**	**#N/A**	**mg/kg**	ug/kg	<200	<200			<200		<200	<200				<200	<200		<200			<10		
1336-36-6	**PCB Total (WAC only)**	**SOLID**	**#N/A**	**mg/kg**	mg/kg																				
P1330	**BTEX (total) WAC**	**SOLID**	**#N/A**	**mg/kg**	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BWS203	AEC18-LF-BWS205 (PFWS59)	AEC18-LF-BWS206	AEC18-LF-BWS207
					Sample Top	5.30	8.30	0.90	4.70	7.80	2.00	3.80	4.35	6.50	0.50	3.30	5.80	0.30	12.30	3.80	6.00	1.60	0.20	1.60	0.70
					Lookup soil	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	ZCL	CwF	MADE GROUND	CwF	CwF
					Sample Ref	6	7	2	4	6	3	4	5	7	2	6	8	1	8	4	5	2	1	2	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																				
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																				
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																				
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																				
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																				
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																				
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																				
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1	<1	<1		17.9	<1	5.6	15.9	<1	<1	6.8	3.3	<1	17.2	<1	1.2	<1	<1	<1	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																				
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	567.0	84.0	107.0		255.0	169.0	1600.0	221.0	2410.0	93.4	697.0	787.0	13.3	341.0	58.9	95.1	43.2	80.1	18.6	21.8
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.8	0.2	<0.14		0.6	<0.14	0.3	<0.14	<0.14	<0.14	0.2	3.8	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	84.3	45.1	19.2		45.5	30.1	847.0	90.8	97.0	16.4	103.0	188.0	14.2	67.3	20.6	15.9	52.5	36.1	96.8	48.2
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	9.6	5.1	0.8		2.8	1.2	311.0	39.8	68.5	<0.6	13.3	39.8	<0.6	5.3	<0.6	3.5	<0.6	<0.6	<0.6	<0.6
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	44.6	20.9	16.2		13.1	19.0	10.6	12.1	8.7	12.9	67.5	39.1	6.4	59.8	18.4	11.1	22.7	21.8	20.8	12.9
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	5.9	2.2	0.8		1.4	1.4	0.9	1.8	1.2	0.8	5.0	1.0	0.7	5.9	0.9	0.4	3.5	1.6	3.2	3.1
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	4.0	3.6	2.6		4.1	1.1	6.6	3.1	5.6	<1	7.6	7.2	<1	7.4	1.9	5.9	<1	1.4	<1	<1
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	1.0	0.6	0.1		0.4	<0.02	73.9	8.5	9.4	0.2	0.9	2.1	0.1	0.2	0.2	0.7	<0.02	<0.02	1.2	0.1
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	19.0	16.2	14.9		36.5	48.1	725.0	81.6	600.0	11.4	31.0	50.4	9.8	12.7	19.6	16.9	23.5	18.4	65.2	27.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	334.0	221.0	25.8		128.0	22.1	204.0	107.0	58.5	11.7	213.0	239.0	11.8	118.0	65.2	28.8	45.6	52.9	46.4	29.1
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	55.8	23.5	40.9		35.0	63.3	25.4	39.3	23.5	32.7	64.0	56.4	22.8	80.0	40.4	30.0	92.0	49.0	99.1	55.5
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	495.0	133.0	163.0		875.0	82.9	3490.0	6780.0	561.0	59.8	839.0	510.0	46.2	209.0	177.0	215.0	136.0	179.0	161.0	73.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	1.7	<1	<1		<1	<1	24.3	3.1	5.3	<1	1.2	<1	<1	<1	<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																				
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																				
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																				
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																				
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.035	<0.035	<0.035		<0.035	<0.035	7.3	0.1	0.3	<0.035	<0.035	0.1	<0.035	<0.035	<0.035	0.4	<0.035	<0.035	<0.035	<0.035
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	8.6	7.7	8.3		7.9	8.1	8.0	8.3	8.1	11.1	7.0	8.0	8.5	7.9	9.0	7.4	7.9	8.3	7.8	8.0
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

Appendix G

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BWS203	AEC18-LF-BWS205 (PFWS59)	AEC18-LF-BWS206	AEC18-LF-BWS207
					Sample Top	5.30	8.30	0.90	4.70	7.80	2.00	3.80	4.35	6.50	0.50	3.30	5.80	0.30	12.30	3.80	6.00	1.60	0.20	1.60	0.70
					Lookup soil	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	ZCL	CwF	MADE GROUND	CwF	CwF
					Sample Ref	6	7	2	4	6	3	4	5	7	2	6	8	1	8	4	5	2	1	2	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.01	<0.01	<0.01		<0.05	<0.01	0.1	<0.01	0.0	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg							<0.01									<0.01				
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg							<0.01									<0.01				
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

Appendix G

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BWS203	AEC18-LF-BWS205 (PFWS59)	AEC18-LF-BWS206	AEC18-LF-BWS207
					Sample Top	5.30	8.30	0.90	4.70	7.80	2.00	3.80	4.35	6.50	0.50	3.30	5.80	0.30	12.30	3.80	6.00	1.60	0.20	1.60	0.70
					Lookup soil	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	ZCL	CwF	MADE GROUND	CwF	CwF
					Sample Ref	6	7	2	4	6	3	4	5	7	2	6	8	1	8	4	5	2	1	2	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg					<0.6															
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg					<1															
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg					17.6															
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg	<80	<80		<80	<80	<4	89100.0	7040.0	1850.0		<80	<80		<40	<4	<80				
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg	<200	<200					18000.0	5680.0			<200	<200		<100	<10					
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg	<220	<220					7700.0	<2200			<220	<220		<110	<11					
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg	<100	<100					3150.0	<500			<200	<200		<100	<100					
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg	<100	<100					<200	<500			<200	313.0		<100	<100					
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg	<100	<100					<1000	<1000			<100	<100		<100	<100					
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg	<100	<100					<1000	<1000			<100	<100		<50	<5					
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg	<160	<160					153000.0	39400.0			<160	<160		<80	<8					
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg	<140	<140		<140	<140	<7	79500.0	<1400	170.0		<140	<140		<70	<7	<140				
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg	<100	<100					<1000	<1000			<100	<100		<50	<5					
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg	<100	<100					3950.0	3650.0			<200	<200		<100	<100					
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg	<100	<100					822.0	615.0			<200	<200		<100	<100					
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg	<100	<100					<1000	<500			<200	<200		<100	<100	<1000				
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg	<100	<100					<200	<4000			<200	<200		<100	<100					
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg	<100	<100					<1000	<1000			<100	<100		<50	<5					
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg	<100	<100					<200	3270.0			<200	<200		<100	<100					
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg	<200	<200					3410.0	<2000			<200	<200		<100	<10					
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<140	<140					<1400	<1400			<140	<140		<70	<7					
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg	<120	<120					3650.0	<1200			<120	<120		<60	<6					
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg	<100	<100					<1600	<1600			<160	<160		<100	<100					
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg	<160	<160					<1600	<1600			<160	<160		<80	<8					
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg	<180	<180		<180	<180	<9	<1800	<1800	<9		<180	<180		<90	<9	<180				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BWS203	AEC18-LF-BWS205 (PFWS59)	AEC18-LF-BWS206	AEC18-LF-BWS207
					Sample Top	5.30	8.30	0.90	4.70	7.80	2.00	3.80	4.35	6.50	0.50	3.30	5.80	0.30	12.30	3.80	6.00	1.60	0.20	1.60	0.70
					Lookup soil	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	ZCL	CwF	MADE GROUND	CwF	CwF
					Sample Ref	6	7	2	4	6	3	4	5	7	2	6	8	1	8	4	5	2	1	2	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg	<140	<140					<1400	<1400			<140	<140		<70	<7					
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg																				
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg	<140	<140					<1400	<1400			<140	<140		<70	<7					
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg	<180	<180					<1800	<1800			<180	<180		<90	<9					
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg	<120	<120					<1200	<1200			<120	<120		<60	<6					
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg	<140	<140					<1400	<1400			<140	<140		<70	9.1					
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg	<140	<140					<1400	<1400			<140	<140		<70	<7					
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg	<160	<160					<1600	<1600			<160	<160		<80	<8					
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg	<120	<120					<1200	<1200			<120	<120		<60	<6					
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg	<120	<120					<1200	<1200			<120	<120		<60	<6					
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg	<180	<180					<1800	<1800			<180	<180		<90	<9					
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg	<100	<100					25400.0	1800.0			<200	<200		<100	<100					
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg	<100	<100					788000.0	46800.0			<200	<200		<100	<100					
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg	<100	<100					<200	2840.0			<200	350.0		<100	<100					
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg	<400	<400					<4000	<4000			<400	<400		<200	<20					
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg	<100	<100					<200	<4000			<200	<200		<100	<100					
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg	<100	<100					4730.0	3150.0			<200	<200		<100	<100					
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg	<200	<200		<200	<200	<10	64100.0	3190.0	742.0		<200	<200		<100	<10	<200				
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg	<180	<180					<1800	<1800			<180	<180		<90	<9					
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg	<100	<100					1620.0	<2000			<200	<200		<100	<10					
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg	<180	<180					514000.0	200000.0			<180	<180		<90	<9					
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg	<280	<280					<2800	<2800			<280	<280		<140	<14					
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg	<320	<320					<3200	<3200			<320	<320		<160	<16					
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg	<280	<280					<2800	<2800			<280	<280		<140	<14					
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg	<100	<100					5340.0	1900.0			<100	<100		<50	<5					
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg	<200	<200		<200	804.0	<10	305000.0	38600.0	19800.0		<200	<200		<100	<10	<200				
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg							<0.01									<0.01				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg							<0.01									<0.01				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BWS203	AEC18-LF-BWS205 (PFWS59)	AEC18-LF-BWS206	AEC18-LF-BWS207
					Sample Top	5.30	8.30	0.90	4.70	7.80	2.00	3.80	4.35	6.50	0.50	3.30	5.80	0.30	12.30	3.80	6.00	1.60	0.20	1.60	0.70
					Lookup soil	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	ZCL	CwF	MADE GROUND	CwF	CwF
					Sample Ref	6	7	2	4	6	3	4	5	7	2	6	8	1	8	4	5	2	1	2	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg							<0.01									<0.01				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg							<0.01									<0.01				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg							<2000									<1000				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg							<0.01									<0.01				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg							<0.01									<0.01				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg							<0.01									<0.01				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg							<0.01									<0.01				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BWS203	AEC18-LF-BWS205 (PFWS59)	AEC18-LF-BWS206	AEC18-LF-BWS207
					Sample Top	5.30	8.30	0.90	4.70	7.80	2.00	3.80	4.35	6.50	0.50	3.30	5.80	0.30	12.30	3.80	6.00	1.60	0.20	1.60	0.70
					Lookup soil	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	ZCL	CwF	MADE GROUND	CwF	CwF
					Sample Ref	6	7	2	4	6	3	4	5	7	2	6	8	1	8	4	5	2	1	2	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg							<0.01									<0.01				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg							<0.01									<0.01				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg							<0.01									0.0				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg							<0.01									<0.01				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg							<0.01									<0.01				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg							<0.01									<0.01				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg							<1000									<1000				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg	<100	<100		575.0	1290.0	<16	<200	842.0	109.0		48.4	1560.0		<100	<100	164.0				
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg	616.0	<100		2580.0	2630.0	65.2	480.0	2900.0	436.0		406.0	13700.0		<100	131.0	775.0				
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg	791.0	<100		681.0	239.0	27.7	<200	745.0	83.8		<24	4410.0		<100	<100	<120				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg	884.0	<100		538.0	191.0	23.4	<200	591.0	62.5		317.0	5090.0		<100	<100	<90				
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg	884.0	<100		1420.0	611.0	59.4	<200	1870.0	172.0		457.0	6730.0		<100	<100	161.0				
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg	590.0	<100		3630.0	3830.0	75.5	421.0	3440.0	473.0		443.0	16600.0		<100	143.0	863.0				
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg	571.0	<100		465.0	240.0	25.1	<200	785.0	65.9		132.0	5260.0		<100	<100	<70				
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg	<100	<100		43.5	54.7	<12	<200	87.9	74.6		<200	<200		<100	<100	<60				
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg	657.0	<100		1100.0	651.0	32.9	<200	1400.0	164.0		211.0	7330.0		<100	<100	240.0				
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg	884.0	<100		880.0	383.0	40.1	<200	1360.0	97.4		319.0	6260.0		<100	<100	189.0				
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg	<100	<100		131.0	50.7	<23	<200	133.0	<23		<200	413.0		<100	<100	<115				
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg	734.0	<100		1040.0	750.0	38.2	<200	1370.0	117.0		227.0	7610.0		<100	<100	260.0				
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg	<100	<100		120.0	149.0	<8	301.0	665.0	320.0		<200	499.0		<100	<100	132.0				
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg	161.0	<100		1730.0	4540.0	44.7	1290.0	2680.0	1200.0		180.0	5440.0		<100	<100	824.0				
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg	<100	<100		192.0	483.0	<10	452.0	752.0	631.0		<200	588.0		<10	<100	198.0				
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg	<100	<100		537.0	641.0	48.8	33100.0	1130.0	37100.0		<200	<260		<100	<100	149.0				
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg					1.7															
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	<0.015	<0.015	<0.015		<0.075	<0.015	6.2	0.1	0.3	<0.015	<0.015	0.1	<0.015	<0.015	<0.015	0.3	<0.015	<0.015	<0.015	<0.015
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	<0.01	<0.01	<0.01		<0.05	<0.01	0.9	0.0	0.0	<0.01	0.0	0.0	0.0	<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected			Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected				
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected			Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected				
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected			Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected				
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected			Not Detected	Detected			Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected				
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected			Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected				
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected			Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected				
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg							0.1									<0.02				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg							<0.02									<0.02				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg							<0.02									<0.02				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<200	<200		<200	<200		<2000	<2000			<200	<200		<100	<10					
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																<0.00073				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg							<0.01									<0.01				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																<0.0023				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<1000									<1000				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BWS203	AEC18-LF-BWS205 (PFWS59)	AEC18-LF-BWS206	AEC18-LF-BWS207
					Sample Top	5.30	8.30	0.90	4.70	7.80	2.00	3.80	4.35	6.50	0.50	3.30	5.80	0.30	12.30	3.80	6.00	1.60	0.20	1.60	0.70
					Lookup soil	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	ZCL	CwF	MADE GROUND	CwF	CwF
					Sample Ref	6	7	2	4	6	3	4	5	7	2	6	8	1	8	4	5	2	1	2	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
																					1.1				
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																0.4				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																0.6				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																9.3				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																<0.0017				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg							<0.01									<0.01				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																0.7				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																0.3				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																<0.17				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																<0.0023				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																0.0				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																<0.0011				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																<0.001				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<1000									<1000				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																0.1				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																<0.027				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																<0.001				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																<0.001				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																<0.0014				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																<0.0025				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																<0.0023				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																<0.0014				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg							<0.01									<0.01				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																<0.012				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																<0.054				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																0.0				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																0.0				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																<0.0014				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg							<0.01									<0.01				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<1000									<1000				
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																<0.0014				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																0.0				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg							<0.01									<0.01				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg							<0.05									<0.05				
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg	<800	<800		<800	804.0		538000.0	48800.0			<800	<800		<400						
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg	<10	<10		<10	<100		<200	<200			<10	<10		<10						
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg	20.1	10.9		<10	<100		157000.0	<200			<10	<10		<10						
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg	197.0	983.0		2140.0	11200.0		1100000.0	84400.0			18.4	1400.0		222.0						
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg	201.0	1780.0		4200.0	19800.0		572000.0	126000.0			18.4	1400.0		270.0						
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg	2310.0	14700.0		9530.0	2940.0		274000.0	175000.0			3220.0	40100.0		150.0						
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg	17700.0	66200.0		150000.0	109000.0		905000.0	606000.0			17600.0	313000.0		23500.0						
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg	116000.0	487000.0		486000.0	208000.0		4500000.0	2180000.0			181000.0	1300000.0		82600.0						
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg	38000.0	85200.0		69000.0	61600.0		814000.0	568000.0			63800.0	297000.0		37200.0						
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg	21.4	81.1		27.9	126.0		7040.0	251.0			16.1	38.8		25.0						
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg	81.7	329.0		249.0	1090.0		132000.0	4730.0			19.6	154.0		84.8						
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg	295.0	1480.0		3220.0	16800.0		1650000.0	127000.0			28.8	2100.0		334.0						
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg	302.0	2660.0		6300.0	29800.0		858000.0	189000.0			28.8	2100.0		404.0						
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg	3160.0	30800.0		32700.0	16600.0		762000.0	354000.0			7590.0	185000.0		2690.0						
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg	22100.0	118000.0		184000.0	113000.0		3590000.0	1680000.0			27400.0	463000.0		7330.0						
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg	134000.0	688000.0		797000.0	414000.0		11400000.0	6380000.0			275000.0	1760000.0		89000.0						
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg	26000.0	124000.0		225000.0	191000.0		1640000.0	1080000.0			46600.0	318000.0		14200.0						
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BH228	AEC18-LF-BH228	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH229	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH231	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH232	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BH233 (PFCP72)	AEC18-LF-BWS203	AEC18-LF-BWS205 (PFWS59)	AEC18-LF-BWS206	AEC18-LF-BWS207
					Sample Top	5.30	8.30	0.90	4.70	7.80	2.00	3.80	4.35	6.50	0.50	3.30	5.80	0.30	12.30	3.80	6.00	1.60	0.20	1.60	0.70
					Lookup soil	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	ZCL	CwF	MADE GROUND	CwF	CwF
					Sample Ref	6	7	2	4	6	3	4	5	7	2	6	8	1	8	4	5	2	1	2	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100	<100					<200	<500			<200	<200		<100	<100					
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<200	<200					<2000	<2000			<200	<200		<100	<10					
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BWS209	AEC18-LF-BWS209	AEC18-LF-BWS210	AEC18-LF-BWS210	AEC18-LF-BWS211	AEC18-LF-BWS212	AEC18-LF-BWS212	AEC18-LF-BWS213	AEC18-LF-BWS214	AEC18-LF-BWS215	AEC18-LF-BWS215	AEC18-LF-BWS216	AEC18-LF-BWS217	AEC18-LF-BWS217	AEC18-LF-BWS218	AEC18-LF-BWS218	AEC18-LF-BWS219A (PFWS62A)	AEC18-LF-GW201	AEC18-LF-GW202	AEC18-LF-GW202
					Sample Top	0.20	1.60	0.60	1.60	0.70	1.00	4.20	0.80	1.00	0.30	3.40	2.20	0.50	2.50	0.60	3.60	0.20	1.70	0.80	2.70
					Lookup soil	TS	CwF	CWF	CWF	CwF	MADE GROUND	MADE GROUND	CwF	HEAD	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	CwF	CwF	MADE GROUND	HEAD	CwF	CwF
					Sample Ref	1	4	2	4	1	2	5		2	1	5	3	2	5	2	5	1	2	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																				
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																				
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																				
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																				
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																				
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																				
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																				
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	3.6	<1	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																				
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	43.5	19.9	14.6	24.0	24.0	98.2	117.0	29.5	15.9	26.3	3410.0	0.0	53.2	33.2	17.6	31.3	71.3	21.7	24.9	23.5
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	0.3	<0.14	<0.14	<0.14	<1.4	<0.0001	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	25.4	233.0	15.3	24.5	41.7	27.8	16.6	60.4	16.0	24.7	299.0	0.1	13.9	26.1	24.0	62.0	33.5	31.6	33.8	33.5
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	<0.6	<0.6	<0.6	<0.6	<0.6	3.4	2.4	<0.6	<0.6	<0.6	48.8	0.1	0.7	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	15.0	21.7	11.3	13.1	19.4	19.4	11.0	16.2	7.2	22.7	113.0	<0.005	11.9	17.8	15.1	15.7	35.8	18.6	19.4	20.8
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.4	7.8	0.9	1.3	2.0	0.9	0.6	4.9	0.9	1.3	7.9	<0.001	0.5	2.7	1.4	4.7	1.3	1.4	1.5	2.0
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	<1	<1	10.9	<1	<1	1.8	3.1	<1	<1	<1	7.9	1.9	1.1	1.4	<1	<1	<1	<1	<1	2.3
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.1	2.2	<0.02	<0.02	<0.02	0.1	1.0	0.1	0.1	<0.02	1.0	0.0	0.1	0.1	<0.02	0.3	0.0	0.1	<0.02	<0.02
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	25.3	53.4	37.6	22.3	36.2	13.3	24.5	57.3	20.3	36.7	150.0	0.1	10.2	16.3	34.4	42.3	15.6	41.7	34.6	58.8
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	22.3	56.9	15.2	23.0	28.8	23.0	80.0	49.6	9.1	20.0	2520.0	0.2	22.4	17.1	18.3	46.6	24.9	16.0	25.5	26.6
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	53.3	92.0	76.7	64.2	85.5	49.1	16.1	86.6	33.3	89.0	87.2	<0.01	40.9	52.5	77.6	88.2	66.5	58.0	68.3	68.6
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	72.8	235.0	37.0	68.6	90.8	114.0	317.0	176.0	54.7	59.4	5590.0	0.1	86.0	88.5	50.3	162.0	113.0	61.5	88.7	83.6
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<0.01	<1	1.0	<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																				
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																				
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																				
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																				
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.3	<0.035	<0.035	<0.035
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	7.3	8.0	7.7	7.6	7.5	11.0	8.1	7.9	8.3	8.0	7.1	7.6	11.0	11.3	7.6	7.1	8.4	7.9	7.7	8.1
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BWS209	AEC18-LF-BWS209	AEC18-LF-BWS210	AEC18-LF-BWS210	AEC18-LF-BWS211	AEC18-LF-BWS212	AEC18-LF-BWS212	AEC18-LF-BWS213	AEC18-LF-BWS214	AEC18-LF-BWS215	AEC18-LF-BWS215	AEC18-LF-BWS216	AEC18-LF-BWS217	AEC18-LF-BWS217	AEC18-LF-BWS218	AEC18-LF-BWS218	AEC18-LF-BWS219A (PFWS62A)	AEC18-LF-GW201	AEC18-LF-GW202	AEC18-LF-GW202
					Sample Top	0.20	1.60	0.60	1.60	0.70	1.00	4.20	0.80	1.00	0.30	3.40	2.20	0.50	2.50	0.60	3.60	0.20	1.70	0.80	2.70
					Lookup soil	TS	CwF	CWF	CWF	CwF	MADE GROUND	MADE GROUND	CwF	HEAD	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	CwF	CwF	MADE GROUND	HEAD	CwF	CwF
					Sample Ref	1	4	2	4	1	2	5		2	1	5	3	2	5	2	5	1	2	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																			
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																			
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																			
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																			
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																			
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																			
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																			
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																			
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																			
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																			
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																			
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																			
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																			
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																			
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																			
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																			
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																			
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																			
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																			
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																			
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																			
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																			
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																			
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																			
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																			

Appendix G

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BWS209	AEC18-LF-BWS209	AEC18-LF-BWS210	AEC18-LF-BWS210	AEC18-LF-BWS211	AEC18-LF-BWS212	AEC18-LF-BWS212	AEC18-LF-BWS213	AEC18-LF-BWS214	AEC18-LF-BWS215	AEC18-LF-BWS215	AEC18-LF-BWS216	AEC18-LF-BWS217	AEC18-LF-BWS217	AEC18-LF-BWS218	AEC18-LF-BWS218	AEC18-LF-BWS219A (PFWS62A)	AEC18-LF-GW201	AEC18-LF-GW202	AEC18-LF-GW202
					Sample Top	0.20	1.60	0.60	1.60	0.70	1.00	4.20	0.80	1.00	0.30	3.40	2.20	0.50	2.50	0.60	3.60	0.20	1.70	0.80	2.70
					Lookup soil	TS	CwF	CWF	CWF	CwF	MADE GROUND	MADE GROUND	CwF	HEAD	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	CwF	CwF	MADE GROUND	HEAD	CwF	CwF
					Sample Ref	1	4	2	4	1	2	5		2	1	5	3	2	5	2	5	1	2	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg							<0.6					<0.3								
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg												<0.5								
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg												<0.5								
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg							<100													
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg	<4						77.0				<80			<4		<4				
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg							<100													
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg							<100													
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg							<100													
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg							<100													
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg							<110													
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg							<100													
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg							<100													
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg							<100													
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg							<100													
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg							<100													
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg							<50													
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg							<80													
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg							<100													
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg	<7						<70				<140			<7		<7				
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg							<50													
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg							<100													
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg							<100													
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg							<100													
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg							<100													
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg							<100													
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg							<100													
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg							<100													
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg							<100													
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg							<100													
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg							<100													
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg							<50													
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg							<100													
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg							480.0													
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg							<100													
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg							<70													
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg							<60													
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg							<100													
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg							<100													
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg							<100													
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg							<100													
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg							<100													
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg							<100													
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg							<100													
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg							<100													
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg							<100													
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg							<100													
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg							<80													
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg							<100													
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg	<9						<90				<180			<9		<9				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BWS209	AEC18-LF-BWS209	AEC18-LF-BWS210	AEC18-LF-BWS210	AEC18-LF-BWS211	AEC18-LF-BWS212	AEC18-LF-BWS212	AEC18-LF-BWS213	AEC18-LF-BWS214	AEC18-LF-BWS215	AEC18-LF-BWS215	AEC18-LF-BWS216	AEC18-LF-BWS217	AEC18-LF-BWS217	AEC18-LF-BWS218	AEC18-LF-BWS218	AEC18-LF-BWS219A (PFWS62A)	AEC18-LF-GW201	AEC18-LF-GW202	AEC18-LF-GW202
					Sample Top	0.20	1.60	0.60	1.60	0.70	1.00	4.20	0.80	1.00	0.30	3.40	2.20	0.50	2.50	0.60	3.60	0.20	1.70	0.80	2.70
					Lookup soil	TS	CwF	CWF	CWF	CwF	MADE GROUND	MADE GROUND	CwF	HEAD	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	CwF	CwF	MADE GROUND	HEAD	CwF	CwF
					Sample Ref	1	4	2	4	1	2	5		2	1	5	3	2	5	2	5	1	2	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg							<70													
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg												1.5								
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg							<100													
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg							<70													
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg							<90													
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg							<100													
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg							<100													
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg							<60													
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg							<100													
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg							<70													
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg							<100													
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg							<70													
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg							<80													
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg							<100													
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg							<60													
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg							<60													
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg							<100													
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg							<100													
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg							<100													
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg							<100													
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg							<90													
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg							<100													
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg							<100													
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg							<100													
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg							240.0													
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg							216.0													
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg							<200													
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg							<100													
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg							<100													
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg							<100													
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg							<100													
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg							732.0													
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg							<100													
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg	<10						<100				<200			<10		<10				
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg							<100													
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg							<90													
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg							<100													
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg							<100													
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg							144.0													
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg							<100													
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg							<140													
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg							<160													
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg							<140													
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg							<50													
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg							<100													
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg							<100													
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg	<10						<100				<200			<10		<10				
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BWS209	AEC18-LF-BWS209	AEC18-LF-BWS210	AEC18-LF-BWS210	AEC18-LF-BWS211	AEC18-LF-BWS212	AEC18-LF-BWS212	AEC18-LF-BWS213	AEC18-LF-BWS214	AEC18-LF-BWS215	AEC18-LF-BWS215	AEC18-LF-BWS216	AEC18-LF-BWS217	AEC18-LF-BWS217	AEC18-LF-BWS218	AEC18-LF-BWS218	AEC18-LF-BWS219A (PFWS62A)	AEC18-LF-GW201	AEC18-LF-GW202	AEC18-LF-GW202
					Sample Top	0.20	1.60	0.60	1.60	0.70	1.00	4.20	0.80	1.00	0.30	3.40	2.20	0.50	2.50	0.60	3.60	0.20	1.70	0.80	2.70
					Lookup soil	TS	CwF	CWF	CWF	CwF	MADE GROUND	MADE GROUND	CwF	HEAD	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	CwF	CwF	MADE GROUND	HEAD	CwF	CwF
					Sample Ref	1	4	2	4	1	2	5		2	1	5	3	2	5	2	5	1	2	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BWS209	AEC18-LF-BWS209	AEC18-LF-BWS210	AEC18-LF-BWS210	AEC18-LF-BWS211	AEC18-LF-BWS212	AEC18-LF-BWS212	AEC18-LF-BWS213	AEC18-LF-BWS214	AEC18-LF-BWS215	AEC18-LF-BWS215	AEC18-LF-BWS216	AEC18-LF-BWS217	AEC18-LF-BWS217	AEC18-LF-BWS218	AEC18-LF-BWS218	AEC18-LF-BWS219A (PFWS62A)	AEC18-LF-GW201	AEC18-LF-GW202	AEC18-LF-GW202
					Sample Top	0.20	1.60	0.60	1.60	0.70	1.00	4.20	0.80	1.00	0.30	3.40	2.20	0.50	2.50	0.60	3.60	0.20	1.70	0.80	2.70
					Lookup soil	TS	CwF	CWF	CWF	CwF	MADE GROUND	MADE GROUND	CwF	HEAD	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	CwF	CwF	MADE GROUND	HEAD	CwF	CwF
					Sample Ref	1	4	2	4	1	2	5		2	1	5	3	2	5	2	5	1	2	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg	<16						744.0				36.1			39.0		<16				
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg	110.0						3070.0				139.0			213.0		<15				
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg	54.0						609.0				152.0			56.9		<24				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg	41.1						635.0				111.0			55.5		<18				
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg	102.0						1180.0				149.0			132.0		<15				
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg	117.0						3420.0				208.0			244.0		<17				
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg	36.2						491.0				61.1			38.6		<14				
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg	<12						173.0				24.9			<12		<12				
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg	58.9						1300.0				70.6			92.8		<10				
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg	61.9						1070.0				118.0			95.0		<15				
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg	<23						<115				<23			<23		<23				
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg	55.6						1880.0				72.5			103.0		<14				
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg	<8						768.0				<8			25.7		<8				
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg	37.7						3440.0				94.8			168.0		<15				
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg	<10						756.0				<10			17.2		<10				
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg	<9						4270.0				40.2			15.9		<9				
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg												<0.5								
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.0	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.2	<0.015	<0.015	<0.015
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	<0.01
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units				Not Detected		Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected			
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units				Not Detected		Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected			
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units				Not Detected		Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected			
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units				Not Detected		Not Detected	Not Detected			Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected		Not Detected			
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units				Not Detected		Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected			
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units				Not Detected		Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected			
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<100							<10						
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BWS209	AEC18-LF-BWS209	AEC18-LF-BWS210	AEC18-LF-BWS210	AEC18-LF-BWS211	AEC18-LF-BWS212	AEC18-LF-BWS212	AEC18-LF-BWS213	AEC18-LF-BWS214	AEC18-LF-BWS215	AEC18-LF-BWS215	AEC18-LF-BWS216	AEC18-LF-BWS217	AEC18-LF-BWS217	AEC18-LF-BWS218	AEC18-LF-BWS218	AEC18-LF-BWS219A (PFWS62A)	AEC18-LF-GW201	AEC18-LF-GW202	AEC18-LF-GW202
					Sample Top	0.20	1.60	0.60	1.60	0.70	1.00	4.20	0.80	1.00	0.30	3.40	2.20	0.50	2.50	0.60	3.60	0.20	1.70	0.80	2.70
					Lookup soil	TS	CwF	CWF	CWF	CwF	MADE GROUND	MADE GROUND	CwF	HEAD	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	CwF	CwF	MADE GROUND	HEAD	CwF	CwF
					Sample Ref	1	4	2	4	1	2	5		2	1	5	3	2	5	2	5	1	2	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg														<40						
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg														<10						
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg														<10						
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg														86.3						
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg														106.0						
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg														2340.0						
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg														11700.0						
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg														63800.0						
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg														26200.0						
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg														<10						
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg														25.0						
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg														129.0						
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg														159.0						
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg														4830.0						
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg														28400.0						
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg														197000.0						
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg														41600.0						
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg												<0.3								
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg												<20								
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg												7.5								
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg												<0.1								
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg												<0.6								
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg												<0.19								
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg												17.1								
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg												0.1								
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg												18.9								
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg												19.9								
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg												631.0								
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg												<2								
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg												<0.03								
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg							<100													
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<100													

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-BWS209	AEC18-LF-BWS209	AEC18-LF-BWS210	AEC18-LF-BWS210	AEC18-LF-BWS211	AEC18-LF-BWS212	AEC18-LF-BWS212	AEC18-LF-BWS213	AEC18-LF-BWS214	AEC18-LF-BWS215	AEC18-LF-BWS215	AEC18-LF-BWS216	AEC18-LF-BWS217	AEC18-LF-BWS217	AEC18-LF-BWS218	AEC18-LF-BWS218	AEC18-LF-BWS219A (PFWS62A)	AEC18-LF-GW201	AEC18-LF-GW202	AEC18-LF-GW202
					Sample Top	0.20	1.60	0.60	1.60	0.70	1.00	4.20	0.80	1.00	0.30	3.40	2.20	0.50	2.50	0.60	3.60	0.20	1.70	0.80	2.70
					Lookup soil	TS	CwF	CWF	CWF	CwF	MADE GROUND	MADE GROUND	CwF	HEAD	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MADE GROUND	CwF	CwF	MADE GROUND	HEAD	CwF	CwF
					Sample Ref	1	4	2	4	1	2	5		2	1	5	3	2	5	2	5	1	2	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg							<100													
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg							<100													
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<100													
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg							<100													
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<100													
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<100													
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW204	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW207A	AEC18-LF-GW207A
					Sample Top	0.10	11.00	5.60	6.70	0.35	4.70	6.40	0.50	0.30	3.40	6.40	9.50	1.70	10.20	5.00	0.55	3.70	7.60	1.50	11.70
					Lookup soil	TS	CHK	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG	MG-LF	MG-LF	MG-LF	MG	MG-LF	MG-LF	MG	MG-LF	MG-LF	MG	CHK
					Sample Ref	1	7	5	6	1	3	4	2	1	4	5	6	1	6	3	2	5	7	4	10
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																				
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																				
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																				
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																				
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																				
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																				
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																				
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1	<1	<1	3.6	<1	6.9	<1	<1	<1	8.0	<1	8.0	<1	2.3	<1	<1	<1	<0.5	<1	
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																				
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	39.7	1.6	89.5	79.8	18.8	65.1	96.8	61.6	47.7	827.0	813.0	790.0	21.2	516.0	89.1	51.9	332.0	0.0	51.9	
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.14	<0.14	0.8	<0.14	<0.14	0.3	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.0001	<0.14	
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	27.6	5.9	20.0	27.1	23.5	2.2	48.6	16.5	15.5	31.1	48.7	119.0	9.0	31.7	24.3	31.6	139.0	0.1	24.0	
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	<0.6	<0.6	<0.6	5.8	<0.6	1.4	3.3	<0.6	<0.6	2.2	17.6	16.4	<0.6	20.2	0.9	<0.6	29.0	0.3	0.6	
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	13.6	1.3	9.0	26.1	10.1	<0.6	29.1	10.9	8.0	21.0	12.1	48.0	3.3	20.0	12.2	11.5	25.7	0.0	17.0	
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.4	0.3	1.0	2.3	1.3	<0.01	1.7	1.7	0.9	1.1	<0.01	3.4	0.5	1.9	0.9	1.4	0.3	<0.001	1.1	
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	<1	<1	5.1	36.2	<1	3.8	7.1	<1	<1	3.7	<1	5.7	<1	8.2	3.7	1.0	3.4	8.4	1.2	
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.6	0.1	0.3	0.9	0.2	0.9	2.3	0.1	0.2	1.6	10.3	1.4	0.2	1.5	0.7	0.5	1.3	<0.0008	0.7	
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	19.1	5.8	17.3	12.3	27.0	13.0	16.5	17.1	16.2	30.8	24.6	38.4	6.3	21.3	24.5	20.1	63.4	0.1	23.7	
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	21.2	4.6	16.8	52.8	20.1	16.7	179.0	21.6	22.3	140.0	172.0	306.0	10.0	170.0	35.4	28.6	271.0	0.0	22.6	
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	40.4	10.3	28.1	37.7	41.3	0.3	51.2	42.5	29.9	14.3	19.6	40.0	11.0	41.6	35.2	44.2	43.6	<0.01	45.8	
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	81.5	24.8	95.4	455.0	80.2	1850.0	2640.0	83.0	86.1	257.0	93.8	1640.0	45.0	585.0	183.0	159.0	510.0	0.2	80.1	
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.01	<1	
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																				
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																				
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																				
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																				
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.035	<0.035	<0.035	23.0	<0.035	10.6	0.2	<0.035	<0.035	3.1	370.0	1.5	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	8.2	8.8	8.6		8.5	8.2	8.0	10.1	10.9	7.3	8.0	8.2	8.7	7.8	8.0	9.4	7.6	7.8	8.0	
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW204	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW207A	AEC18-LF-GW207A
					Sample Top	0.10	11.00	5.60	6.70	0.35	4.70	6.40	0.50	0.30	3.40	6.40	9.50	1.70	10.20	5.00	0.55	3.70	7.60	1.50	11.70
					Lookup soil	TS	CHK	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG	MG-LF	MG-LF	MG-LF	MG	MG-LF	MG-LF	MG	MG-LF	MG-LF	MG	CHK
					Sample Ref	1	7	5	6	1	3	4	2	1	4	5	6	1	6	3	2	5	7	4	10
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.01	<0.01	<0.01	7.4	<0.01	2.1	<0.01	<0.01	<0.01	0.3	369.0	1.5	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																		<0.01		
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																		<0.01		
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW204	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW207A	AEC18-LF-GW207A
					Sample Top	0.10	11.00	5.60	6.70	0.35	4.70	6.40	0.50	0.30	3.40	6.40	9.50	1.70	10.20	5.00	0.55	3.70	7.60	1.50	11.70
					Lookup soil	TS	CHK	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG	MG-LF	MG-LF	MG-LF	MG	MG-LF	MG-LF	MG	MG-LF	MG-LF	MG	CHK
					Sample Ref	1	7	5	6	1	3	4	2	1	4	5	6	1	6	3	2	5	7	4	10
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg														<0.6				<0.3		
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																		<0.5		
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																		<0.5		
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg			<100			<1000				<500								<100		<100
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg		<4	9.0	855.0		904000.0	1540.0			<80				<40	<4		<80	<80		<4
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg			<10			<200				<200								<200		<10
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg			<10			<200				<200								<200		<10
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg			<10			<200				<200								<200		<10
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg			<10			26700.0				<200								<200		<10
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg			<11			4050.0				496.0								<220		<11
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg			<100			<1000				<500								<100		<100
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg			<10			<200				<200								<200		<10
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg			<100			<1000				3100.0								<100		<100
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg			<100			<1000				<500								<100		<100
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg			<10			<200				<200								<200		<10
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg			<5			<100				<100								<100		<5
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg			<8			4010000.0				528.0								<160		<8
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg			<10			<200				<200								<200		<10
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg		<7	<7	<140		35300.0	60.1			<140				<70	<7		<140	<140		<7
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg			<5			<100				<100								<100		<5
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg			<100			<1000				<500								<100		<100
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg			<100			<1000				<500								<100		<100
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg			<100			<1000				<500								<100		<100
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg			<100			149000.0				72000.0								<100		<100
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg			<100			<1000				8920.0								<100		<100
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg			<100			<1000				<500								<100		<100
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg			<100			<1000				<400								<100		<100
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg			<100			<1000				<500								<100		<100
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg			<100			<1000				<500								<100		<100
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg			<10			<200				<200								<200		<10
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg			<5			<100				<100								<100		<5
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg			<100			<1000				<500								<100		<100
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg			<100			<1000				<500								<100		<100
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg			<10			4790.0				441.0								<200		<10
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg			<7			<140				<140								<140		<7
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg			<6			664.0				<120								<120		<6
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg			<10			<200				<200								<200		<10
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg			<100			<1000				<500								<100		<100
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg			<100			<1000				<160								<100		<100
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg			<10			<200				<200								<200		<10
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg			<10			<200				<200								<200		<10
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg			<10			<200				<200								<200		<10
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg			<100			<1000				<500								<100		<100
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg			<100			<1000				<500								<100		<100
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg			<100			<1000				<500								<100		<100
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg			<10			<200				<200								<200		<10
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg			<8			<160				<160								<160		<8
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg			<100			<1000				<500								<100		<100
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg		<9	<9	<180		<180	97.0			<180				<90	<9		<180	<180		<9

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW204	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW207A	AEC18-LF-GW207A
					Sample Top	0.10	11.00	5.60	6.70	0.35	4.70	6.40	0.50	0.30	3.40	6.40	9.50	1.70	10.20	5.00	0.55	3.70	7.60	1.50	11.70
					Lookup soil	TS	CHK	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG	MG-LF	MG-LF	MG-LF	MG	MG-LF	MG-LF	MG	MG-LF	MG-LF	MG	CHK
					Sample Ref	1	7	5	6	1	3	4	2	1	4	5	6	1	6	3	2	5	7	4	10
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg			<7			<140				<140								<140		<7
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg																		2.1		
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg			<10			<200				<200								<200		<10
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg			<7			<140				<140								<140		<7
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg			<9			<180				<180								<180		<9
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg			<10			<200				<200								<200		<10
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg			<10			<200				<200								<200		<10
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg			<6			<120				<120								<120		<6
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg			<10			<200				<200								<200		<10
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg			<7			<140				<140								<140		<7
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg			<10			<200				<200								<200		<10
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg			<7			<140				<140								<140		<7
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg			<8			<160				<160								<160		<8
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg			<10			<200				<200								<200		<10
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg			<6			<120				<120								<120		<6
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg			<6			<120				<120								<120		<6
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg			<100			<1000				<500								<100		<100
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg			<100			<1000				<500								<100		<100
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg			<10			<200				<200								<200		<10
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg			<10			<200				<200								<200		<10
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg			<9			<180				<180								<180		<9
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg			<10			<200				<200								<200		<10
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg			<100			1520.0				<500								<100		<100
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg			<100			<1000				2060.0								<100		<100
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg			<100			12200.0				<500								<100		<100
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg			<100			<1000				<500								<100		<100
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg			<20			<400				<400								<400		<20
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg			<100			<1000				<400								<100		<100
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg			<100			<1000				<500								<100		<100
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg			<100			<1000				<500								<100		<100
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg			<100			<1000				<500								<100		<100
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg			<100			425000.0				<500								<100		<100
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg			<100			<1000				<500								<100		<100
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg		<10	<10	<200		730000.0	948.0			<200				<100	<10		<200	<200		<10
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg			<100			<1000				<500								<100		<100
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg			<9			<180				<180								<180		<9
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg			<10			<1000				<200								<100		<10
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg			<100			<1000				<500								<100		<100
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg			<9			5570000.0				4720.0								<180		<9
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg			<100			<1000				<500								<100		<100
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg			<14			<280				<280								<280		<14
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg			<16			<320				<320								<320		<16
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg			<14			<280				<280								<280		<14
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg			<5			5690.0				315.0								<100		<5
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg			<100			<1000				<500								<100		<100
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg			<10			3750.0				<200								<200		<10
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg		<10	<10	4020.0		2910000.0	6430.0			2180.0				<100	<10		<200	<200		<10
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																		<1000		
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																		<1000		
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																		<1000		
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																		<0.01		
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																		<1000		
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																		<1000		
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																		<0.01		
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																		<1000		
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW204	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW207A	AEC18-LF-GW207A
					Sample Top	0.10	11.00	5.60	6.70	0.35	4.70	6.40	0.50	0.30	3.40	6.40	9.50	1.70	10.20	5.00	0.55	3.70	7.60	1.50	11.70
					Lookup soil	TS	CHK	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG	MG-LF	MG-LF	MG-LF	MG	MG-LF	MG-LF	MG	MG-LF	MG-LF	MG	CHK
					Sample Ref	1	7	5	6	1	3	4	2	1	4	5	6	1	6	3	2	5	7	4	10
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																		<0.01		
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																		<0.01		
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																		<4000		
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																		<0.01		
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																		<1000		
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																		<1000		
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																		<1000		
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																		<1000		
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																		<0.01		
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																		<1000		
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																		<1000		
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																		<1000		
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																		<1000		
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																		<1000		
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																		<1000		
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																		<1000		
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																		<1000		
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																		<1000		
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																		<1000		
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																		<1000		
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																		<1000		
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																		<1000		
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																		<1000		
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																		<1000		
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																		<1000		
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																		<0.01		
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																		<1000		
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																		<1000		
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																		<1000		
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																		<1000		
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																		<1000		
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																		<1000		
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																		<1000		
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																		<1000		
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																		<0.01		
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																		<1000		
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																		<1000		
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																		<1000		
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW204	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW207A	AEC18-LF-GW207A
					Sample Top	0.10	11.00	5.60	6.70	0.35	4.70	6.40	0.50	0.30	3.40	6.40	9.50	1.70	10.20	5.00	0.55	3.70	7.60	1.50	11.70
					Lookup soil	TS	CHK	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG	MG-LF	MG-LF	MG-LF	MG	MG-LF	MG-LF	MG	MG-LF	MG-LF	MG	CHK
					Sample Ref	1	7	5	6	1	3	4	2	1	4	5	6	1	6	3	2	5	7	4	10
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																		<1000		
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																		<1000		
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																		<1000		
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																		<1000		
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																		<1000		
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																		<1000		
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																		<1000		
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																		<1000		
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																		<1000		
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																		<1000		
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																		<1000		
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																		<0.01		
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																		<1000		
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																		<1000		
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																		<0.01		
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																		<0.01		
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																		<0.01		
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																		<0.01		
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																		<0.01		
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																		<1000		
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg		<16	<100	107.0		<1000	410.0			<500				197.0	140.0		<16	176.0		<100
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg		<15	45.2	336.0		2690.0	1370.0			<500				1580.0	641.0		47.8	1340.0		<100
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg		<24	<100	134.0		<1000	246.0			<500				555.0	272.0		<24	1100.0		<100
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg		<18	<100	141.0		<1000	177.0			<500				524.0	272.0		<18	1070.0		<100
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg		<15	<100	241.0		<1000	461.0			<500				808.0	461.0		29.8	1230.0		<100
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg		<17	50.5	344.0		<1000	1690.0			<500				1870.0	722.0		43.8	1290.0		<100
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg		<14	<100	74.3		<1000	178.0			<500				336.0	169.0		<14	924.0		<100
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg		<12	<100	<12		3500.0	38.0			<12				85.4	21.7		<12	<100		<100
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg		<10	<100	219.0		<1000	483.0			<500				713.0	308.0		24.8	985.0		<10
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg		<15	<100	149.0		<1000	335.0			<500				741.0	379.0		22.0	1340.0		<100
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg		<23	<100	<23		<1000	60.6			<23				<115	52.0		<23	<100		<100
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg		<14	<100	151.0		<1000	465.0			<500				701.0	358.0		20.8	956.0		<100
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg		<8	<100	480.0		7080.0	2540.0			736.0				77.2	31.2		<8	<100		<100
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg		<15	<100	529.0		3710.0	2460.0			1270.0				881.0	219.0		37.4	603.0		<100
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg		<10	<10	243.0		<1000	1420.0			<500				103.0	25.0		<10	<100		<10
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg		<9	<100	1830.0		30500.0	1810.0			892.0				60.7	21.5		<9	<100		<100
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																		<0.5		
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	<0.015	<0.015	<0.015	0.3	<0.015	0.8	0.1	<0.015	<0.015	0.4	<0.75	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	<0.01	<0.01	<0.01	15.2	<0.01	7.7	0.1	<0.01	<0.01	2.4	0.9	0.0	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Detected	Not Detected	Not Detected	
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																		<0.02		
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																		<0.02		
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																		<0.02		
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<10	<200		<200	<10			<200				<100				<200		<10
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																		<0.0013		
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																		<0.01		
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																		<0.0014		
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																		<1000		

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW204	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW207A	AEC18-LF-GW207A
					Sample Top	0.10	11.00	5.60	6.70	0.35	4.70	6.40	0.50	0.30	3.40	6.40	9.50	1.70	10.20	5.00	0.55	3.70	7.60	1.50	11.70
					Lookup soil	TS	CHK	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG	MG-LF	MG-LF	MG-LF	MG	MG-LF	MG-LF	MG	MG-LF	MG-LF	MG	CHK
					Sample Ref	1	7	5	6	1	3	4	2	1	4	5	6	1	6	3	2	5	7	4	10
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
																							<1		
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																		<0.2		
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																		<0.49		
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																		0.3		
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																		<0.004		
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																		<0.1		
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																		<0.0039		
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																		<0.2		
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																		0.1		
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																		<0.0014		
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																		<0.0058		
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																		<0.0014		
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																		<0.0013		
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																		<1000		
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																		<0.071		
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																		<0.0037		
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																		<0.0014		
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																		<0.0014		
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																		<0.0015		
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																		<0.002		
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																		<0.0014		
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																		<0.0015		
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																		<0.01		
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																		<0.042		
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																		<0.0037		
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																		<0.0031		
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																		<0.014		
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																		<0.0015		
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																		<0.01		
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																		<1000		
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																		<0.0015		
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																		<0.047		
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																		<0.01		
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																		<0.05		
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg			<40	4870.0		4580000.0	9080.0							<400				<800		<40
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg			<10	<10			<50							<10				<10		<10
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<10	16.8			<50							11.7				<10		<10
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg			131.0	2700.0			9840.0							956.0				315.0		<10
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg			20.4	922.0			6210.0							1580.0				434.0		<10
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<100	18600.0		2750000.0	9790.0							1360.0				2790.0		<100
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg			2630.0	205000.0		485000.0	39600.0							21600.0				33800.0		<100
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg			16900.0	991000.0		1770000.0	186000.0							111000.0				325000.0		<100
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg			1760.0	123000.0		266000.0	57300.0							40800.0				98500.0		<100
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<10	154.0			<50							31.2				23.5		<10
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg			20.4	646.0			636.0							156.0				82.3		<10
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg			45.6	1350.0			14800.0							1430.0				472.0		<10
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg			31.2	1380.0			9310.0							2370.0				651.0		<10
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<100	13500.0		2230000.0	15400.0							1380.0				13100.0		<100
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg			2890.0	123000.0		1250000.0	59500.0							11500.0				35300.0		<100
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg			25900.0	471000.0		2550000.0	266000.0							103000.0				306000.0		<100
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg			2800.0	39900.0		396000.0	48500.0							23600.0				75700.0		<100
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																		<0.3		
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																		52.0		
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																		<5		
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																		0.1		
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																		<0.6		
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																		<0.19		
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																		174.0		
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																		0.2		
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																		131.0		
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																		112.0		
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																		401.0		
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																		211.0		
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																		0.7		
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg			<100			<1000				<500								<100		<100
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<100			<1000				<500								<100		<100

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW203B	AEC18-LF-GW204	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW204A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW205A	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW206	AEC18-LF-GW207A	AEC18-LF-GW207A
					Sample Top	0.10	11.00	5.60	6.70	0.35	4.70	6.40	0.50	0.30	3.40	6.40	9.50	1.70	10.20	5.00	0.55	3.70	7.60	1.50	11.70
					Lookup soil	TS	CHK	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG	MG-LF	MG-LF	MG-LF	MG	MG-LF	MG-LF	MG	MG-LF	MG-LF	MG	CHK
					Sample Ref	1	7	5	6	1	3	4	2	1	4	5	6	1	6	3	2	5	7	4	10
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg			<100			<1000				<500								<100		<100
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg			<100			<1000				<500								<100		<100
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<100			<1000				<500								<100		<100
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg			<100			<1000				<500								<100		<100
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<100			<1000				<500								<100		<100
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<10			<200				<200								<200		<10
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-LW201	AEC18-LF-LW201	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW205	AEC18-LF-LW205	PFCP20	PFCP35A	PFCP47	PFCP56
					Sample Top	3.60	6.80	13.70	3.20	0.30	10.10	6.50	7.60	1.00	10.00	4.70	1.70	12.20	7.80	1.60	4.50	0.70	5.80	0.50	0.60
					Lookup soil	MG-LF	CwF	MG-LF	MG-LF	MADE GROUND	HEAD	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MADE GROUND	MADE GROUND	MG	MG	MG	MG
					Sample Ref	5	7	8	4	1	7	4	5	2	6	4	3	9	6	4	7	2	7	2	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																	<0.01	<0.01	<0.01	<0.01
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																	<0.01	<0.01	<0.01	<0.01
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																	<0.02	<0.02	<0.02	<0.02
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																	<0.07	<0.07	<0.07	<0.07
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																	<0.05	<0.05	<0.05	<0.05
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																	<0.03	<0.03	<0.03	<0.03
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																	<0.05	<0.05	<0.05	<0.05
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																	<0.08	<0.08	<0.08	<0.08
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																	<0.07	<0.07	<0.07	<0.07
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																	<0.01	<0.01	<0.01	<0.01
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																	<0.06	<0.06	<0.06	<0.06
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																	<0.04	<0.04	<0.04	<0.04
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																	<0.04	<0.04	<0.04	<0.04
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																	<0.04	<0.04	<0.04	<0.04
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	3.2	<1	<1	2.4	<1	<1	<1	3.4	<1	<1	4.2	<1	<1	<1	<1	<1				
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																	<0.01	<0.01	<0.01	<0.01
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	451.0	20.9	125.0	92.0	100.0	13.5	122.0	1570.0	15.3	36.5	160.0	24.2	14.5	749.0	46.1	489.0	7.0	43.0	31.0	4.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1.4	<0.14	<0.14	<0.14	5.1	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<1.4	<0.14	<0.14	0.5	<0.17	<0.17	0.6
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	99.1	24.4	29.4	25.0	26.0	33.3	27.1	24.8	22.8	13.0	27.9	32.9	22.7	206.0	31.3	46.3	4.0	24.0	53.0	4.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	13.3	<0.6	<0.6	13.2	<0.6	<0.6	1.5	3.7	<0.6	<0.6	2.7	<0.6	<0.6	41.5	<0.6	4.1				
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	37.6	4.5	20.7	15.4	16.8	19.1	12.3	8.1	18.4	8.2	15.6	9.8	17.4	43.0	15.0	27.7	<1	5.0	3.0	<1
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	6.3	0.8	1.0	0.9	1.6	1.1	1.1	1.3	0.7	0.4	1.2	2.0	1.3	<0.1	1.0	2.7	<1	1.0	2.0	<1
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	40.9	<1	3.8	5.4	1.5	14.4	2.1	25.4	<1	2.2	4.3	1.4	<1	2.2	1.3	3.3	<1.0	1.6	<1.0	<1.0
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	1.4	0.2	2.1	0.7	<0.02	<0.02	0.4	1.2	<0.02	0.1	0.5	0.2	<0.02	4.9	0.2	0.5	<0.5	2.1	2.2	<0.5
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	41.7	15.7	19.0	10.5	10.2	26.7	20.8	23.4	6.4	4.2	17.3	22.6	38.3	2260.0	20.8	12.2	5.0	25.0	45.0	4.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	135.0	19.5	34.7	56.9	145.0	22.7	34.7	105.0	10.4	22.3	165.0	23.5	20.5	395.0	48.1	54.3	7.0	21.0	24.0	4.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	47.5	34.7	47.7	25.7	42.3	58.8	54.0	45.1	35.4	11.9	35.8	45.4	67.9	24.1	61.8	42.3				
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	799.0	57.6	208.0	158.0	195.0	83.0	436.0	377.0	60.8	88.9	380.0	95.2	49.6	1530.0	98.7	275.0	22.0	127.0	84.0	20.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	1.0
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																	<0.01	<0.01	<0.01	<0.01
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																	<0.03	<0.03	<0.03	<0.03
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																	<0.01	<0.01	<0.01	<0.01
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																	<0.03	<0.03	<0.03	<0.03
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.1	<0.035	<0.035	2.8	<0.035	<0.035				
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	7.8	4.9	10.4	7.7	11.0	8.5	8.6	8.3	8.4	8.7	7.8	7.9	7.6	7.8	8.4	7.8				
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																	<0.01	<0.01	<0.01	<0.01
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																	<0.1	<0.1	<0.1	<0.1
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																	<0.1	<0.1	<0.1	<0.1
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																	<0.1	<0.1	<0.1	<0.1
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																	<0.1	<0.1	<0.1	<0.1
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																	<0.01	<0.01	<0.01	<0.01
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																	<0.01	<0.01	<0.01	<0.01
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																	<0.01	<0.01	<0.01	<0.01
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																	<0.1	<0.1	<0.1	<0.1
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																	<0.1	<0.1	<0.1	<0.1
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																	<0.1	<0.1	<0.1	<0.1
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																	<0.1	<0.1	<0.1	<0.1
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																	<0.01	<0.01	<0.01	<0.01
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-LW201	AEC18-LF-LW201	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW205	AEC18-LF-LW205	PFCP20	PFCP35A	PFCP47	PFCP56
					Sample Top	3.60	6.80	13.70	3.20	0.30	10.10	6.50	7.60	1.00	10.00	4.70	1.70	12.20	7.80	1.60	4.50	0.70	5.80	0.50	0.60
					Lookup soil	MG-LF	CwF	MG-LF	MG-LF	MADE GROUND	HEAD	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MADE GROUND	MADE GROUND	MG	MG	MG	MG
					Sample Ref	5	7	8	4	1	7	4	5	2	6	4	3	9	6	4	7	2	7	2	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01				
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																	<0.01	<0.01	<0.01	<0.01
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																	<0.01	<0.01	<0.01	<0.01
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg			<0.01							<0.01		<0.01								
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-LW201	AEC18-LF-LW201	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW205	AEC18-LF-LW205	PFCP20	PFCP35A	PFCP47	PFCP56
					Sample Top	3.60	6.80	13.70	3.20	0.30	10.10	6.50	7.60	1.00	10.00	4.70	1.70	12.20	7.80	1.60	4.50	0.70	5.80	0.50	0.60
					Lookup soil	MG-LF	CwF	MG-LF	MG-LF	MADE GROUND	HEAD	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MADE GROUND	MADE GROUND	MG	MG	MG	MG
					Sample Ref	5	7	8	4	1	7	4	5	2	6	4	3	9	6	4	7	2	7	2	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																	<0.01	<0.01	<0.01	<0.01
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg												<0.6				<0.6	<1	<1	<1	<1
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<1																			
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	2.7																			
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg	<80		21.3	<40		<4	<4	<80		18.2	363.0	<4	<4	232.0	<4	<80				
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg	<200			<100				<200				<10		4580.0		<200				
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg	<220			<110				<220				<11		<220		<220				
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg	<100			<50				<100				<5		<100		<100				
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg	<160			247.0				<160				<8		19100.0		<160				
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg	<140		<7	<70		<7	<7	<140		<7	<140	<7	<7	<140	<7	<140				
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg	<100			<50				<100				<5		<100		<100				
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg	<100			<100				<100				<100		768.0		<100				
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg	<100			<100				<100				<100		1890.0		<100				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg	<100			1710.0				2890.0				<100		13300.0		<100				
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg	<100			<100				290.0				<100		3010.0		<100				
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg	<100		<50	<100				<100		<50		<100		<100		<100				
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg	<100			<100				<100				<100		2060.0		<100				
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg	<100			<50				<100				<5		<100		<100				
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg	<100			<100				452.0				<100		832.0		<100				
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg	<200			<100				<200				<10		6410.0		<200				
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<140			<70				<140				<7		<140		<140				
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg	<120			<60				<120				<6		<120		<120				
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg	<160			<80				<160				<8		<160		<160				
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg	<180		<9	<90		<9	<9	<180		<9	<180	<9	<9	<180	<9	<180				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-LW201	AEC18-LF-LW201	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW205	AEC18-LF-LW205	PFCP20	PFCP35A	PFCP47	PFCP56
					Sample Top	3.60	6.80	13.70	3.20	0.30	10.10	6.50	7.60	1.00	10.00	4.70	1.70	12.20	7.80	1.60	4.50	0.70	5.80	0.50	0.60
					Lookup soil	MG-LF	CwF	MG-LF	MG-LF	MADE GROUND	HEAD	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MADE GROUND	MADE GROUND	MG	MG	MG	MG
					Sample Ref	5	7	8	4	1	7	4	5	2	6	4	3	9	6	4	7	2	7	2	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg	<140			<70				<140				<7		<140		<140				
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg																	51.0	1180.0	84.0	77.0
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg	<140			<70				<140				<7		<140		<140				
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg	<180			<90				<180				<9		<180		<180				
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg	<120			<60				<120				<6		<120		<120				
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg	<200			<100				<200				<10		341.0		<200				
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg	<140			<70				<140				<7		935.0		<140				
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg	<140			<70				<140				<7		<140		<140				
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg	<160			<80				<160				<8		<160		<160				
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg	<120			<60				<120				<6		<120		<120				
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg	<120			<60				<120				<6		<120		<120				
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg	<100			<100				<100				<100		3120.0		<100				
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg	<180			<90				<180				<9		<180		<180				
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg	182.0			<100				649.0				<100		12900.0		<100				
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg	<100			<100				261.0				<100		<100		<100				
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg	<100			<100				429.0				<100		<100		<100				
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg	<400			<200				<400				<20		<400		<400				
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg	<100			<100				<100				<100		3390.0		<100				
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg	<100			<100				245.0				<100		7900.0		<100				
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg	<200		17.9	<100		<10	<10	<200		<10	<200	<10	<10	1680.0	<10	<200				
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg	<180			<90				<180				<9		<180		<180				
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg	<100			<100				<100				<10		<100		<100				
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg	<180			345.0				<180				<9		58900.0		<180				
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg	<280			<140				<280				<14		<280		<280				
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg	<320			<160				<320				<16		<320		<320				
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg	<280			<140				<280				<14		<280		<280				
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg	<100			<50				<100				<5		2110.0		<100				
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg	<200			<100				<200				<10		7540.0		<200				
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg	<200		114.0	306.0		<10	73.8	<200		105.0	876.0	<10	<10	3090.0	<10	<200				
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																	<0.01	<0.01	<0.01	<0.01
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																	<0.01	<0.01	<0.01	<0.01
P1334	pH	SOLID	#N/A	mg/kg	pH																	8.3	7.6	7.7	8.3
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-LW201	AEC18-LF-LW201	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW205	AEC18-LF-LW205	PFCP20	PFCP35A	PFCP47	PFCP56
					Sample Top	3.60	6.80	13.70	3.20	0.30	10.10	6.50	7.60	1.00	10.00	4.70	1.70	12.20	7.80	1.60	4.50	0.70	5.80	0.50	0.60
					Lookup soil	MG-LF	CwF	MG-LF	MG-LF	MADE GROUND	HEAD	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MADE GROUND	MADE GROUND	MG	MG	MG	MG
					Sample Ref	5	7	8	4	1	7	4	5	2	6	4	3	9	6	4	7	2	7	2	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg												<50								
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-LW201	AEC18-LF-LW201	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW205	AEC18-LF-LW205	PFCP20	PFCP35A	PFCP47	PFCP56
					Sample Top	3.60	6.80	13.70	3.20	0.30	10.10	6.50	7.60	1.00	10.00	4.70	1.70	12.20	7.80	1.60	4.50	0.70	5.80	0.50	0.60
					Lookup soil	MG-LF	CwF	MG-LF	MG-LF	MADE GROUND	HEAD	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MADE GROUND	MADE GROUND	MG	MG	MG	MG
					Sample Ref	5	7	8	4	1	7	4	5	2	6	4	3	9	6	4	7	2	7	2	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg			<50							<50		<50								
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg	244.0		112.0	436.0		<16	<160	1240.0		26.7	163.0	<100	<16	816.0	77.6	<100				
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg	1120.0		442.0	1800.0		<15	860.0	7320.0		123.0	901.0	<100	<15	1820.0	970.0	165.0				
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg	<100		121.0	408.0		<24	350.0	3660.0		52.6	404.0	<100	<24	<100	296.0	<100				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg	390.0		87.1	488.0		<18	263.0	3150.0		45.7	334.0	<100	<18	<100	295.0	<100				
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg	494.0		196.0	693.0		<15	588.0	4910.0		80.0	881.0	<100	<15	<100	488.0	<100				
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg	1300.0		544.0	2190.0		<17	862.0	8140.0		140.0	1060.0	<100	<17	1530.0	1030.0	165.0				
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg	494.0		92.5	547.0		<14	<140	2080.0		30.8	282.0	<100	<14	<100	212.0	<100				
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg	<100		<12	<100		<12	<120	<120		<12	81.1	<100	<12	<12	<12	<100				
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg	624.0		144.0	768.0		<10	495.0	3000.0		44.7	495.0	<100	<10	<10	404.0	<100				
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg	507.0		142.0	795.0		<15	355.0	4530.0		65.9	585.0	<100	<15	<100	488.0	<100				
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg	<100		<23	<100		<23	<230	518.0		<23	84.3	<100	<23	<100	74.9	<100				
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg	663.0		132.0	898.0		<14	397.0	2940.0		59.0	588.0	<100	<14	<14	503.0	<100				
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg	<100		170.0	290.0		<8	<80	1360.0		15.2	125.0	<100	<8	936.0	18.7	<100				
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg	506.0		470.0	1450.0		<15	723.0	2440.0		101.0	585.0	<100	<15	7820.0	251.0	<100				
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg	<100		138.0	323.0		<10	151.0	633.0		19.7	163.0	<10	<10	1410.0	12.2	<10				
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg	<100		62.5	<100		<9	<90	<260		21.8	549.0	<100	<9	<260	<9	<100				
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg	2.4																			
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.0	<0.075	<0.015	<0.015	0.1	<0.015	<0.015	2.8	<0.015	<0.015				
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	0.0	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	0.0	<0.01	<0.01	<0.05	<0.01	<0.01				
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected		Not Detected	Not Detected					Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected				
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected		Not Detected	Not Detected					Not Detected	Detected	Not Detected	Trace		Not Detected	Not Detected	Not Detected				
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected		Not Detected	Not Detected					Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected				
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected		Not Detected	Not Detected					Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected				
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected		Not Detected	Not Detected					Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected				
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected		Not Detected	Not Detected					Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected				
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg			<0.02							<0.02		<0.02								
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg			<0.02							<0.02		<0.02								
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg			<0.02							<0.02		<0.02								
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<200			<100				<200				<10	<10	<200	<10	<200				
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g			<0.00026									<0.0011								
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g			<0.00051									<0.0017								
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<50							<50		<50								

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-LW201	AEC18-LF-LW201	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW205	AEC18-LF-LW205	PFCP20	PFCP35A	PFCP47	PFCP56
					Sample Top	3.60	6.80	13.70	3.20	0.30	10.10	6.50	7.60	1.00	10.00	4.70	1.70	12.20	7.80	1.60	4.50	0.70	5.80	0.50	0.60
					Lookup soil	MG-LF	CwF	MG-LF	MG-LF	MADE GROUND	HEAD	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MADE GROUND	MADE GROUND	MG	MG	MG	MG
					Sample Ref	5	7	8	4	1	7	4	5	2	6	4	3	9	6	4	7	2	7	2	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
								3.0									<0.69								
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g			0.8									<0.003								
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g			1.7									<0.33								
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g			1.6									<0.13								
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g			<0.0051									<0.0035								
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg			<0.01							<0.01		<0.01								
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g			0.2									<0.011								
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g			0.3									<0.1								
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g			<0.048									<0.023								
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g			<0.00051									<0.0017								
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g			0.0									<0.012								
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g			<0.00052									<0.0014								
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g			<0.00023									<0.00089								
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<50							<50		<50								
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g			0.2									<0.048								
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g			<0.017									<0.0091								
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g			<0.00033									<0.00096								
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g			<0.00033									<0.00096								
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g			<0.00047									<0.0016								
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g			<0.0034									<0.0036								
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g			<0.00051									<0.0017								
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g			<0.00047									<0.0016								
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g			0.1									<0.012								
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g			<0.034									<0.0091								
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g			0.1									<0.042								
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g			0.1									<0.0033								
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g			<0.00047									<0.0016								
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<50							<50		<50								
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g			<0.00047									<0.0016								
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g			0.1									<0.011								
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01							<0.01		<0.01								
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.05							<0.05		<0.05								
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg	<800			<400				<800				<40	<40	5010.0	<40					
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg	<10			<10				<10				<10	<10	<200	<10					
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<10			<10				<10				<10	<10	<200	<10					
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg	884.0			3960.0				403.0				85.2	<10	279000.0	<10					
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg	1300.0			3540.0				304.0				61.1	<10	434000.0	<10					
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg	3750.0			72700.0				20100.0				<100	<100	710000.0	<100					
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg	57000.0			143000.0				103000.0				3250.0	<100	2640000.0	3460.0					
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg	577000.0			366000.0				870000.0				18200.0	2640.0	10500000.0	22800.0					
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg	66100.0			81200.0				381000.0				5170.0	<100	1900000.0	15200.0					
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg	24.7			29.1				46.4				<10	<10	582.0	<10					
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg	120.0			557.0				274.0				46.9	<10	9590.0	<10					
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg	1320.0			5940.0				603.0				128.0	<10	418000.0	<10					
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg	1960.0			5310.0				454.0				92.3	<10	652000.0	<10					
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg	12700.0			819000.0				5360.0				376.0	<100	6020000.0	<100					
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg	81600.0			174000.0				63700.0				2180.0	<100	9660000.0	1960.0					
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg	426000.0			290000.0				740000.0				12400.0	2530.0	69700000.0	12700.0					
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg	71900.0			63500.0				250000.0				3970.0	<100	8400000.0	7960.0					
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-GW207A	AEC18-LF-GW207A	AEC18-LF-LW201	AEC18-LF-LW201	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW202	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW203	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW204	AEC18-LF-LW205	AEC18-LF-LW205	PFCP20	PFCP35A	PFCP47	PFCP56
					Sample Top	3.60	6.80	13.70	3.20	0.30	10.10	6.50	7.60	1.00	10.00	4.70	1.70	12.20	7.80	1.60	4.50	0.70	5.80	0.50	0.60
					Lookup soil	MG-LF	CwF	MG-LF	MG-LF	MADE GROUND	HEAD	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	HEAD	MG-LF	MADE GROUND	MADE GROUND	MG	MG	MG	MG
					Sample Ref	5	7	8	4	1	7	4	5	2	6	4	3	9	6	4	7	2	7	2	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg	<100			<100				<100				<100		592.0		<100				
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100			<100				<100				<100		<100		<100				
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<200			<100				<200				<10		<200		<200				
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCP60	PFCP61	PFCPRC01	PFCPRC04	PFCPRC04	PFCPRC10	PFCPRC12	PFCPRC15	PFCPRC16	PFCPRC17	PFCPRC17	PFCPRC21	PFCPRC22	PFCPRC22	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC24	PFCPRC24
					Sample Top	0.30	0.50	1.00	0.60	3.50	0.30	0.80	1.00	0.50	0.70	4.00	1.00	0.40	6.70	13.00	13.40	2.00	6.00	1.00	15.00
					Lookup soil	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
					Sample Ref	1	2	2	2	6	1	2	3	2	2	5	2	2	8	15	16	4	8	4	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg	0.2	0.1	0.2	0.2	0.2	<0.02	<0.02	0.0	<0.02	<0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.2
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg	1.3	0.5	2.3	1.2	1.1	<0.07	0.1	0.2	<0.07	<0.07	0.6	0.4	0.7	0.3	0.2	0.6	0.2	0.2	0.9	2.3
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg	0.4	0.3	0.9	0.3	0.2	<0.05	<0.05	0.2	<0.05	<0.05	0.5	0.3	0.3	0.1	<0.05	0.3	0.1	<0.05	0.2	1.5
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg	0.5	0.4	1.0	0.4	0.3	<0.03	<0.03	0.2	0.1	<0.03	0.5	0.3	0.4	0.1	0.0	0.3	0.1	0.1	0.2	1.5
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg	0.7	0.4	1.3	0.6	0.6	<0.05	<0.05	0.2	<0.05	<0.05	0.4	0.3	0.5	0.2	0.1	0.5	0.1	0.1	0.4	1.8
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg	1.3	0.5	2.2	1.7	1.2	<0.08	0.1	0.3	<0.08	<0.08	0.7	0.4	0.9	0.4	0.2	0.6	0.2	0.2	0.4	2.6
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg	0.3	0.2	0.4	0.2	0.2	<0.07	<0.07	0.1	<0.07	<0.07	0.1	<0.07	0.2	<0.07	<0.07	0.3	<0.07	<0.07	0.2	0.6
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg	<0.01	0.0	0.0	0.0	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	0.0	<0.01	<0.01	0.0	<0.01	<0.01	0.0	0.0
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg	0.6	0.3	1.2	0.6	0.6	<0.06	<0.06	0.2	<0.06	<0.06	0.4	0.3	0.5	0.2	<0.06	0.4	0.1	0.1	0.4	1.2
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg	0.6	0.4	1.2	0.5	0.5	<0.04	<0.04	0.2	<0.04	<0.04	0.4	0.3	0.5	0.2	<0.04	0.4	0.1	0.1	0.3	1.4
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg	0.1	0.1	0.2	0.1	0.1	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	<0.04	0.1	<0.04	<0.04	0.0	<0.04	<0.04	<0.04	0.2
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg	0.6	0.3	1.0	0.4	0.6	<0.04	<0.04	0.2	<0.04	<0.04	0.3	0.3	0.4	0.2	0.1	0.3	0.1	0.1	0.2	1.1
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	21.0	215.0	27.0	51.0	27.0	32.0	33.0	105.0	25.0	6.0	405.0	52.0	31.0	13.0	20.0	40.0	34.0	12.0	31.0	241.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.17	0.7	0.2	<0.17	0.3	<0.17	0.8	1.3	<0.17	0.4	5.1	0.6	0.9	0.8	0.6	0.3	0.8	0.9	0.7	1.9
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	19.0	40.0	16.0	21.0	27.0	11.0	66.0	24.0	7.0	6.0	67.0	9.0	49.0	9.0	19.0	28.0	11.0	7.0	11.0	50.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg																				
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	15.0	17.0	8.0	10.0	8.0	5.0	3.0	8.0	4.0	<1	11.0	2.0	4.0	<1	3.0	7.0	2.0	<1	3.0	12.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.0	4.0	1.0	1.0	1.0	1.0	<1	1.0	<1	<1	<1	<1	<1	<1	<1	1.0	<1	<1	1.0	2.0
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	1.3	12.0	1.5	1.1	2.6	<1.0	<1.0	7.1	<1.0	<1.0	2.3	<1.0	<1.0	<1.0	1.7	5.0	<1.0	<1.0	<1.0	4.8
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.6	1.4	0.6	1.9	1.8	1.1	1.4	1.5	0.7	<0.5	8.3	<0.5	1.0	<0.5	0.6	<0.5	0.8	<0.5	<0.5	2.9
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	27.0	32.0	33.0	29.0	32.0	13.0	84.0	27.0	18.0	6.0	210.0	10.0	20.0	8.0	15.0	29.0	13.0	6.0	13.0	55.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	16.0	147.0	22.0	20.0	19.0	21.0	112.0	38.0	4.0	8.0	312.0	17.0	20.0	20.0	46.0	27.0	21.0	7.0	18.0	121.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	56.0	332.0	54.0	64.0	67.0	70.0	90.0	135.0	25.0	33.0	1680.0	64.0	81.0	30.0	35.0	85.0	142.0	29.0	69.0	429.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.0	<1	<1	<1	<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg	0.1	<0.01	0.2	0.7	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	0.1	<0.01	0.0	<0.01	<0.01	0.0	<0.01	0.1
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg	0.7	0.2	0.9	1.6	0.5	<0.03	0.1	0.1	<0.03	<0.03	0.4	0.2	0.4	0.2	0.1	0.2	0.1	0.2	0.1	0.9
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg	0.1	0.0	0.1	0.5	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	0.0	0.0	0.0	<0.01	<0.01	<0.01	<0.01	0.1
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg	<0.03	<0.03	<0.03	0.2	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.1
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units																				
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg	<0.1	<0.1	<0.1	1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg	2.2	2.0	1.9	27.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg	4.1	3.2	5.5	88.3	1.6	<0.1	<0.1	<0.1	<0.1	<0.1	0.4	<0.1	1.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	4.4
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg	2.9	5.0	8.4	236.0	12.5	<0.1	<0.1	<0.1	<0.1	<0.1	0.4	<0.1	4.6	<0.1	<0.1	0.3	<0.1	<0.1	0.4	31.9
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg	<0.1	<0.1	<0.1	24.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	6.9	<0.1	<0.1	<0.1	<0.1	<0.1
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	<0.1	<0.1	<0.1	103.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	9.9	<0.1	<0.1	<0.1	<0.1	<0.1
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	<0.1	<0.1	<0.1	584.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	10.5	27.3	<0.1	<0.1	<0.1	<0.1	<0.1
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCP60	PFCP61	PFCPRC01	PFCPRC04	PFCPRC04	PFCPRC10	PFCPRC12	PFCPRC15	PFCPRC16	PFCPRC17	PFCPRC17	PFCPRC21	PFCPRC22	PFCPRC22	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC24	PFCPRC24
					Sample Top	0.30	0.50	1.00	0.60	3.50	0.30	0.80	1.00	0.50	0.70	4.00	1.00	0.40	6.70	13.00	13.40	2.00	6.00	1.00	15.00
					Lookup soil	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
					Sample Ref	1	2	2	2	6	1	2	3	2	2	5	2	2	8	15	16	4	8	4	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																			
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																			
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																			
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																			
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																			
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																			
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																			
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																			
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																			
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																			
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																			
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																			
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																			
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																			
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																			
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																			
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																			
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																			
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																			
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																			
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																			
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																			
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																			
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																			
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																			

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCP60	PFCP61	PFCPRC01	PFCPRC04	PFCPRC04	PFCPRC10	PFCPRC12	PFCPRC15	PFCPRC16	PFCPRC17	PFCPRC17	PFCPRC21	PFCPRC22	PFCPRC22	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC24	PFCPRC24
					Sample Top	0.30	0.50	1.00	0.60	3.50	0.30	0.80	1.00	0.50	0.70	4.00	1.00	0.40	6.70	13.00	13.40	2.00	6.00	1.00	15.00
					Lookup soil	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
					Sample Ref	1	2	2	2	6	1	2	3	2	2	5	2	2	8	15	16	4	8	4	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																			
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																			
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																			
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																			
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																			
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																			
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																			
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																			
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																			
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																			
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																			
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																			
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																			
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																			
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																			
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg																			
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg																			
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg																			
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg																			
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg																			
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg																			
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg																			
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg																			
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg																			
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg																			
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg																			
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg																			
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg																			
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg																			
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg																			
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg																			
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg																			
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg																			
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg																			
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg																			
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg																			
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg																			
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg																			
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg																			
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg																			
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg																			
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg																			
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg																			
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg																			
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg																			
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg																			
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																			
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg																			
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg																			
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																			
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg																			
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg																			
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg																			
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg																			
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																			
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg																			
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg																			
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg																			
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg																			
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg																			
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg																			
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg																			

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCP60	PFCP61	PFCPRC01	PFCPRC04	PFCPRC04	PFCPRC10	PFCPRC12	PFCPRC15	PFCPRC16	PFCPRC17	PFCPRC17	PFCPRC21	PFCPRC22	PFCPRC22	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC24	PFCPRC24
					Sample Top	0.30	0.50	1.00	0.60	3.50	0.30	0.80	1.00	0.50	0.70	4.00	1.00	0.40	6.70	13.00	13.40	2.00	6.00	1.00	15.00
					Lookup soil	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
					Sample Ref	1	2	2	2	6	1	2	3	2	2	5	2	2	8	15	16	4	8	4	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg																				
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg	67.0	919.0	89.0	94.0	134.0	88.0	363.0	1310.0	37.0	156.0	2160.0	925.0	563.0	125.0	156.0	506.0	585.0	98.0	482.0	2140.0
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg																				
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg																				
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg																				
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg																				
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg																				
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg																				
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg																				
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg																				
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg																				
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg																				
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg																				
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg																				
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg																				
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg																				
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg																				
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg																				
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg																				
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg																				
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg																				
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg																				
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg																				
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg																				
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg																				
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg																				
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg																				
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg																				
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg																				
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg																				
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg																				
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg																				
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg																				
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg																				
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg																				
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg																				
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg																				
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg																				
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg																				
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1334	pH	SOLID	#N/A	mg/kg	pH	11.4	8.6	8.9	8.0	8.4	8.1	8.2	9.7	8.3	8.4	7.5	8.2	8.4	8.3	8.0	8.0	8.3	8.4	8.3	7.9
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCP60	PFCP61	PFCPRC01	PFCPRC04	PFCPRC04	PFCPRC10	PFCPRC12	PFCPRC15	PFCPRC16	PFCPRC17	PFCPRC17	PFCPRC21	PFCPRC22	PFCPRC22	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC24	PFCPRC24
					Sample Top	0.30	0.50	1.00	0.60	3.50	0.30	0.80	1.00	0.50	0.70	4.00	1.00	0.40	6.70	13.00	13.40	2.00	6.00	1.00	15.00
					Lookup soil	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
					Sample Ref	1	2	2	2	6	1	2	3	2	2	5	2	2	8	15	16	4	8	4	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCP60	PFCP61	PFCPRC01	PFCPRC04	PFCPRC04	PFCPRC10	PFCPRC12	PFCPRC15	PFCPRC16	PFCPRC17	PFCPRC17	PFCPRC21	PFCPRC22	PFCPRC22	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC24	PFCPRC24
					Sample Top	0.30	0.50	1.00	0.60	3.50	0.30	0.80	1.00	0.50	0.70	4.00	1.00	0.40	6.70	13.00	13.40	2.00	6.00	1.00	15.00
					Lookup soil	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
					Sample Ref	1	2	2	2	6	1	2	3	2	2	5	2	2	8	15	16	4	8	4	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg																				
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg																				
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg																				
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg																				
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg																				
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg																				
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg																				
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg																				
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg																				
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg																				
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg																				
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg																				
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units																				
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units																				
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCP60	PFCP61	PFCPRC01	PFCPRC04	PFCPRC04	PFCPRC10	PFCPRC12	PFCPRC15	PFCPRC16	PFCPRC17	PFCPRC17	PFCPRC21	PFCPRC22	PFCPRC22	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC24	PFCPRC24
					Sample Top	0.30	0.50	1.00	0.60	3.50	0.30	0.80	1.00	0.50	0.70	4.00	1.00	0.40	6.70	13.00	13.40	2.00	6.00	1.00	15.00
					Lookup soil	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
					Sample Ref	1	2	2	2	6	1	2	3	2	2	5	2	2	8	15	16	4	8	4	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																			
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																			
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																			
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																			
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																			
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																			
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																			
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																			
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																			
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																			
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																			
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																			
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																			
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																			
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																			
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																			
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																			
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																			
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																			
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																			
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																			
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																			
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																			
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg																			
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg																			
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																			
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																			
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																			
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																			
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																			
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																			
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																			
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																			
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																			
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																			
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																			
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																			
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg																			
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCP60	PFCP61	PFCPRC01	PFCPRC04	PFCPRC04	PFCPRC10	PFCPRC12	PFCPRC15	PFCPRC16	PFCPRC17	PFCPRC17	PFCPRC21	PFCPRC22	PFCPRC22	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC23	PFCPRC24	PFCPRC24
					Sample Top	0.30	0.50	1.00	0.60	3.50	0.30	0.80	1.00	0.50	0.70	4.00	1.00	0.40	6.70	13.00	13.40	2.00	6.00	1.00	15.00
					Lookup soil	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
					Sample Ref	1	2	2	2	6	1	2	3	2	2	5	2	2	8	15	16	4	8	4	7
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg																			
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																			
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																			
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																			
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																			

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC26	PFCPRC26	PFCPRC26	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC29	PFCPRC29	PFCPRC29	PFCPRC37	PFCPRC37	PFCPRC37
					Sample Top	1.00	12.00	4.00	6.00	0.60	12.00	6.00	0.60	2.00	8.00	1.00	11.00	14.80	9.00	0.70	4.00	7.00	1.00	10.00	3.00
					Lookup soil	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	CWF	MG
					Sample Ref	3	14	6	8	2	15	9	3	6	12	3	13	17	11	2	6	9	3	12	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg	<0.02	<0.02	<0.02	0.0	<0.05	<0.02	<0.02	0.6	0.0	0.0	0.0	<0.02	<0.02	<0.02	0.0	<0.02	<0.02	0.0	<0.02	<0.02
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg	<0.07	<0.07	0.1	0.1	0.4	<0.07	<0.07	2.0	0.2	0.2	0.4	<0.07	0.1	0.1	0.4	0.1	<0.07	0.3	<0.07	<0.07
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg	<0.05	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	1.3	0.1	<0.05	0.2	<0.05	0.1	<0.05	0.2	<0.05	<0.05	0.2	<0.05	<0.05
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg	<0.03	<0.03	0.1	<0.03	0.1	<0.03	<0.03	1.4	0.1	0.1	0.2	<0.03	0.1	0.1	0.2	<0.03	<0.03	0.2	<0.03	<0.03
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg	<0.05	<0.05	0.1	<0.05	0.2	<0.05	<0.05	1.4	0.1	0.1	0.3	<0.05	0.1	<0.05	0.3	<0.05	<0.05	0.3	<0.05	<0.05
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg	<0.08	<0.08	0.1	0.1	0.4	<0.08	<0.08	2.4	0.2	0.2	0.4	<0.08	0.1	0.1	0.4	0.1	<0.08	0.4	<0.08	<0.08
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.9	0.1	<0.07	0.1	<0.07	<0.07	<0.07	0.2	<0.07	<0.07	0.1	<0.07	<0.07
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg	<0.06	<0.06	0.1	0.1	0.3	<0.06	<0.06	1.4	0.2	0.1	0.3	<0.06	0.1	0.1	0.3	<0.06	<0.06	0.3	<0.06	<0.06
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg	<0.04	<0.04	<0.04	<0.04	0.2	<0.04	<0.04	1.5	0.1	0.1	0.2	<0.04	0.1	<0.04	0.2	<0.04	<0.04	0.2	<0.04	<0.04
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.40	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg	<0.04	<0.04	0.1	0.1	0.2	<0.04	<0.04	1.3	0.1	0.1	0.2	<0.04	0.1	0.1	0.2	<0.04	<0.04	0.2	<0.04	<0.04
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	23.0	33.0	38.0	44.0	20.0	8.0	31.0	53.0	22.0	36.0	32.0	35.0	431.0	25.0	39.0	31.0	4.0	130.0	16.0	40.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.17	0.4	0.6	0.5	<0.17	0.6	0.5	0.4	1.0	1.0	1.1	1.3	5.3	0.7	0.6	0.8	0.7	0.2	<0.17	<0.17
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	18.0	16.0	23.0	31.0	19.0	8.0	13.0	18.0	9.0	23.0	11.0	15.0	67.0	14.0	16.0	9.0	3.0	28.0	63.0	27.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg																				
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	5.0	3.0	3.0	4.0	7.0	<1	2.0	2.0	2.0	3.0	3.0	3.0	11.0	4.0	5.0	<1	<1	12.0	2.0	11.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.0	<1	<1	1.0	1.0	<1	<1	1.0	<1	<1	<1	<1	1.0	<1	1.0	<1	<1	1.0	2.0	1.0
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	<1.0	2.3	1.2	2.2	2.4	2.0	1.6	<1.0	<1.0	1.1	<1.0	1.8	15.8	1.1	<1.0	<1.0	<1.0	1.6	1.8	1.0
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	2.2	0.9	0.7	1.0	2.2	<0.5	0.8	<0.5	<0.5	<0.5	1.1	0.8	10.6	1.0	1.5	0.6	<0.5	2.5	3.4	2.5
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	41.0	11.0	21.0	24.0	36.0	7.0	14.0	26.0	12.0	24.0	14.0	14.0	114.0	12.0	21.0	10.0	5.0	34.0	56.0	42.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	13.0	32.0	32.0	39.0	12.0	7.0	27.0	28.0	35.0	46.0	30.0	29.0	294.0	29.0	29.0	19.0	3.0	30.0	27.0	21.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	41.0	103.0	57.0	58.0	39.0	23.0	65.0	68.0	72.0	76.0	82.0	66.0	1040.0	45.0	77.0	68.0	16.0	155.0	131.0	129.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.0	<1	<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg	<0.01	<0.01	0.0	0.0	0.1	<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	0.0	<0.01	<0.01
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg	<0.03	<0.03	0.1	0.1	0.4	<0.03	<0.03	0.8	0.1	0.1	0.1	<0.03	0.1	0.1	0.2	0.1	<0.03	0.2	<0.03	<0.03
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg	<0.01	<0.01	0.0	0.1	0.2	<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03	0.1	<0.03	<0.03	<0.30	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units																				
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg	<0.1	<0.1	<0.1	<0.1	5.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg	<0.1	<0.1	<0.1	1.5	13.4	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg	<0.1	<0.1	<0.1	9.6	11.1	<0.1	<0.1	19.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.7	<0.1	<0.1
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg	<0.1	<0.1	<0.1	35.2	12.0	<0.1	<0.1	188.0	<0.1	0.6	<0.1	<0.1	<0.1	<0.1	1.9	<0.1	<0.1	7.1	<0.1	<0.1
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg	<0.01	<0.01	0.0	0.0	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg	<0.1	<0.1	<0.1	0.6	1.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg	<0.1	<0.1	<0.1	3.3	13.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	<0.1	<0.1	<0.1	15.2	27.2	<0.1	<0.1	2.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	<0.1	<0.1	4.6	76.8	95.2	<0.1	<0.1	151.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC26	PFCPRC26	PFCPRC26	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC29	PFCPRC29	PFCPRC29	PFCPRC37	PFCPRC37	PFCPRC37
					Sample Top	1.00	12.00	4.00	6.00	0.60	12.00	6.00	0.60	2.00	8.00	1.00	11.00	14.80	9.00	0.70	4.00	7.00	1.00	10.00	3.00
					Lookup soil	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	CWF	MG
					Sample Ref	3	14	6	8	2	15	9	3	6	12	3	13	17	11	2	6	9	3	12	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																			
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																			
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																			
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																			
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																			
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																			
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																			
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																			
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																			
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																			
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																			
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																			
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																			
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																			
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																			
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																			
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																			
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																			
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																			
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																			
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																			
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																			
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																			
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																			
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																			

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC26	PFCPRC26	PFCPRC26	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC29	PFCPRC29	PFCPRC29	PFCPRC37	PFCPRC37	PFCPRC37
					Sample Top	1.00	12.00	4.00	6.00	0.60	12.00	6.00	0.60	2.00	8.00	1.00	11.00	14.80	9.00	0.70	4.00	7.00	1.00	10.00	3.00
					Lookup soil	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	CWF	MG
					Sample Ref	3	14	6	8	2	15	9	3	6	12	3	13	17	11	2	6	9	3	12	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg																				
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg				<1	<1								<1	<1					<1	
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg				<1	<1								<1	<1					<1	
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg				<1	<1								<1	<1					<1	
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg				<1	<1								<1	<1					<1	
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg																				
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg				<1	<1								<1	<1					<1	
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg				<2	<2								<2	<2					<2	
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg				<1	5.0								<1	<1					<1	
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg				<1	<1								<1	<1					<1	
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg				<1	<1								<1	<1					<1	
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg																				
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg																				
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg																				
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg																				
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg				<3	<3								<3	<3					<3	
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg																				
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg				<3	<3								<3	<3					<3	
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg				<1	<1								<1	<1					<1	
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg																				
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg																				
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg				<1	<1								<1	<1					<1	
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg				<1	<1								<1	<1					<1	
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg				<1	<1								<1	<1					<1	
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg				<1	<1								<1	<1					<1	
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg																				
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg																				
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg				<1	<1								<1	<1					<1	

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC26	PFCPRC26	PFCPRC26	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC29	PFCPRC29	PFCPRC29	PFCPRC37	PFCPRC37	PFCPRC37
					Sample Top	1.00	12.00	4.00	6.00	0.60	12.00	6.00	0.60	2.00	8.00	1.00	11.00	14.80	9.00	0.70	4.00	7.00	1.00	10.00	3.00
					Lookup soil	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	CWF	MG
					Sample Ref	3	14	6	8	2	15	9	3	6	12	3	13	17	11	2	6	9	3	12	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg	95.0	284.0	299.0	330.0	80.0	63.0	473.0	310.0	488.0	616.0	764.0	537.0	996.0	296.0	398.0	311.0	48.0	196.0	132.0	95.0
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg				<10	<10								<10	<10					<10	
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg				<5	<5								<5	<5					<5	
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg				<5	<5								<5	<5					<5	
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg				1.0	<1								<1	<1					<1	
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg				<10	<10								<10	<10					<10	
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg				<1	<1								<1	<1					<1	
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg				<1	<1								<1	<1					<1	
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg																				
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg																				
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg				<1	<1								<1	<1					<1	
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg				<1	<1								<1	<1					<1	
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg																				
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg																				
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg																				
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg				<3	<3								<3	<3					<3	
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg																				
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg																				
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg																				
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg																				
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg				<1	<1								<1	<1					<1	
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg																				
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg				<1	<1								<1	<1					<1	
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg				<1	<1								<1	<1					<1	
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg				<1	<1								<1	<1					<1	
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg																				
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg				<2	<2								<2	<2					<2	
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg				<1	<1								<1	<1					<1	
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg				<2	<2								<2	<2					<2	
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg				<1	<1								<1	<1					<1	
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg																				
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg				<1	<1								<1	<1					<1	
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg				<1	<1								<1	<1					<1	
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg	<0.01	<0.01	<0.01	0.0	0.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1334	pH	SOLID	#N/A	mg/kg	pH	7.8	8.3	8.2	8.2	7.7	8.3	8.2	8.7	8.3	8.2	8.2	8.3	7.4	8.1	8.5	8.3	8.6	8.2	7.5	7.8
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC26	PFCPRC26	PFCPRC26	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC29	PFCPRC29	PFCPRC29	PFCPRC37	PFCPRC37	PFCPRC37
					Sample Top	1.00	12.00	4.00	6.00	0.60	12.00	6.00	0.60	2.00	8.00	1.00	11.00	14.80	9.00	0.70	4.00	7.00	1.00	10.00	3.00
					Lookup soil	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	CWF	MG
					Sample Ref	3	14	6	8	2	15	9	3	6	12	3	13	17	11	2	6	9	3	12	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC26	PFCPRC26	PFCPRC26	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC29	PFCPRC29	PFCPRC29	PFCPRC37	PFCPRC37	PFCPRC37
					Sample Top	1.00	12.00	4.00	6.00	0.60	12.00	6.00	0.60	2.00	8.00	1.00	11.00	14.80	9.00	0.70	4.00	7.00	1.00	10.00	3.00
					Lookup soil	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	CWF	MG
					Sample Ref	3	14	6	8	2	15	9	3	6	12	3	13	17	11	2	6	9	3	12	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg																				
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg																				
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg																				
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg																				
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg																				
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg																				
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg																				
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg																				
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg																				
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg																				
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg																				
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg																				
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units																				
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units																				
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC26	PFCPRC26	PFCPRC26	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC29	PFCPRC29	PFCPRC29	PFCPRC37	PFCPRC37	PFCPRC37
					Sample Top	1.00	12.00	4.00	6.00	0.60	12.00	6.00	0.60	2.00	8.00	1.00	11.00	14.80	9.00	0.70	4.00	7.00	1.00	10.00	3.00
					Lookup soil	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	CWF	MG
					Sample Ref	3	14	6	8	2	15	9	3	6	12	3	13	17	11	2	6	9	3	12	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																			
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																			
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																			
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																			
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																			
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																			
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																			
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																			
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																			
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																			
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																			
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																			
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																			
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																			
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																			
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																			
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																			
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																			
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																			
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																			
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																			
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																			
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																			
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																			
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg																			
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg																			
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																			
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																			
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																			
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																			
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																			
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																			
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																			
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																			
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																			
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																			
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																			
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																			
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg																			
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																			

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC25	PFCPRC26	PFCPRC26	PFCPRC26	PFCPRC27	PFCPRC27	PFCPRC27	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC28	PFCPRC29	PFCPRC29	PFCPRC29	PFCPRC37	PFCPRC37	PFCPRC37
					Sample Top	1.00	12.00	4.00	6.00	0.60	12.00	6.00	0.60	2.00	8.00	1.00	11.00	14.80	9.00	0.70	4.00	7.00	1.00	10.00	3.00
					Lookup soil	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	CWF	MG
					Sample Ref	3	14	6	8	2	15	9	3	6	12	3	13	17	11	2	6	9	3	12	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg																				
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC37	PFCPRC37	PFCPRC38 (SP)	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC41	PFCPRC41	PFCPRC41	PFCPRC41 A (SP)	PFCPRC42 (SP)	PFCPRC42 (SP)	PFCPRC43 (SP)	PFCPRC43 (SP)
					Sample Top	6.00	8.00	0.70	0.60	3.00	4.00	9.00	0.60	14.50	2.00	4.70	9.70	3.50	6.80	9.50	15.50	0.90	4.00	0.50	1.80
					Lookup soil	MG	MG	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	8	10	3	3	6	7	12	2	16	4	7	11	7	10	14	4	3	7	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg	0.1	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	0.1	<0.05	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg	1.0	<0.02	0.1	<0.02	0.1		0.6	<0.02	<0.02	0.9	3.6	4.7	2.3	0.1	0.1	0.1	0.0	1.2	<0.02	<0.02
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg	5.2	<0.07	0.7	<0.07	0.8		4.7	0.1	<0.07	3.6	12.0	15.6	7.6	1.6	1.1	0.3	0.2	4.1	<0.07	<0.07
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg	0.8	<0.05	0.4	<0.05	0.2		0.7	<0.05	<0.05	0.8	1.8	1.7	1.0	0.4	0.5	0.1	0.1	0.8	<0.05	<0.05
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg	1.2	<0.03	0.4	<0.03	0.2		0.8	0.0	<0.03	0.9	2.2	2.0	1.2	0.4	0.6	0.1	0.1	0.9	<0.03	<0.03
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg	1.9	<0.05	0.7	<0.05	0.4		1.9	0.1	<0.05	2.3	4.5	4.3	2.7	0.8	1.1	0.2	0.2	1.8	<0.05	<0.05
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg	6.3	<0.08	0.8	<0.08	1.2		5.5	0.1	<0.08	4.6	15.9	15.8	10.3	1.2	1.3	0.4	0.3	5.6	<0.08	<0.08
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg	0.7	<0.07	0.3	<0.07	0.2		0.7	<0.07	<0.07	0.8	1.8	2.0	1.0	0.3	0.4	<0.07	<0.07	0.7	<0.07	<0.07
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg	0.1	<0.01	0.0	<0.01	<0.01		0.0	<0.01	<0.01	0.1	0.8	0.2	0.1	0.0	0.0	<0.01	<0.01	0.0	<0.01	<0.01
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg	2.5	<0.06	0.4	<0.06	0.3		1.8	<0.06	<0.06	1.7	4.5	6.1	2.5	0.6	0.7	0.1	0.1	1.5	<0.06	<0.06
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg	1.6	<0.04	0.5	<0.04	0.3		1.3	0.1	<0.04	1.7	3.2	3.2	2.0	0.4	0.7	0.1	0.1	1.2	<0.04	<0.04
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg	0.2	<0.04	0.1	<0.04	<0.04		0.2	<0.04	<0.04	0.2	0.5	0.4	0.2	0.1	0.1	<0.04	<0.04	0.2	<0.04	<0.04
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg	2.7	<0.04	0.4	<0.04	0.3		1.8	0.1	<0.04	1.8	6.2	8.2	2.8	0.5	0.7	0.1	0.1	1.7	<0.04	<0.04
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	159.0	24.0	327.0	15.0	35.0		18.0	18.0	29.0	54.0	255.0	310.0	362.0	163.0	169.0	22.0	30.0	171.0	6.0	38.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	1.6	<0.17	0.6	0.6	1.1		0.5	0.6	<0.17	0.2	0.7	0.7	0.4	0.3	0.2	<0.17	0.3	1.1	0.3	0.5
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	38.0	31.0	17.0	22.0	9.0		26.0	8.0	28.0	30.0	85.0	200.0	41.0	29.0	41.0	46.0	26.0	78.0	9.0	12.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg																				
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	20.0	10.0	8.0	3.0	2.0		6.0	4.0	5.0	8.0	13.0	12.0	12.0	11.0	14.0	5.0	10.0	14.0	3.0	1.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.0	2.0	1.0	1.0	<1		1.0	<1	1.0	1.0	1.0	2.0	1.0	1.0	1.0	2.0	1.0	1.0	<1	<1
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	2.0	2.5	1.1	1.5	1.4		4.5	1.2	2.8	1.7	3.5	5.4	5.2	2.8	5.2	14.3	2.4	4.4	<1.0	<1.0
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	3.7	2.8	1.9	1.5	0.7		1.8	0.8	2.7	1.9	6.3	10.1	3.6	3.1	3.8	2.7	2.3	7.0	<0.5	<0.5
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	46.0	54.0	24.0	25.0	15.0		26.0	8.0	26.0	35.0	93.0	152.0	32.0	32.0	42.0	36.0	26.0	79.0	9.0	7.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	94.0	15.0	26.0	10.0	29.0		16.0	11.0	10.0	127.0	220.0	109.0	85.0	66.0	76.0	22.0	16.0	158.0	6.0	20.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	339.0	75.0	156.0	48.0	92.0		68.0	37.0	74.0	89.0	644.0	1820.0	386.0	290.0	214.0	106.0	73.0	1440.0	24.0	44.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	2.0	<1	<1	<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg	0.8	<0.01	0.0	<0.01	0.2		0.2	<0.01	<0.01	0.2	1.5	4.2	3.7	0.1	0.1	0.0	0.0	1.5	<0.01	<0.01
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg	3.8	<0.03	0.2	<0.03	0.5		3.0	0.0	<0.03	1.7	15.4	16.1	11.4	0.5	0.3	0.2	0.1	5.0	0.0	<0.03
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg	0.8	<0.01	0.0	<0.01	0.1		0.4	<0.01	<0.01	0.3	2.6	4.9	3.5	0.1	0.1	0.1	0.0	1.5	<0.01	<0.01
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg	1.7	<0.03	<0.03	<0.03	<0.03		0.1	<0.03	<0.03	0.2	1.1	0.5	3.8	0.0	<0.03	<0.03	<0.03	0.9	<0.03	<0.03
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units																				
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg	34.2	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	1.7	7.1	5.2	<0.1	<0.1	<0.1	<0.1	12.1	<0.1	<0.1
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg	10.0	<0.1	<0.1	<0.1	<0.1		0.4	<0.1	<0.1	1.9	6.8	59.9	7.4	<0.1	<0.1	<0.1	<0.1	19.6	<0.1	<0.1
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg	30.6	<0.1	1.2	<0.1	<0.1		10.5	<0.1	<0.1	19.3	152.0	259.0	16.5	0.7	2.5	5.4	<0.1	38.0	<0.1	<0.1
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg	92.4	<0.1	0.4	<0.1	2.0		22.3	<0.1	2.7	40.0	891.0	583.0	40.5	1.2	6.3	7.5	<0.1	80.1	<0.1	<0.1
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg	<0.01	<0.01	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg	0.1	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	0.5	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg	0.1	<0.01	<0.01	<0.01	<0.01		0.0	<0.01	<0.01	<0.01	2.9	0.9	0.6	0.0	0.0	0.0	<0.01	0.2	<0.01	<0.01
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg	19.9	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	19.8	15.1	5.9	<0.1	<0.1	<0.1	<0.1	28.0	<0.1	<0.1
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg	11.4	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	97.3	116.0	0.9	<0.1	<0.1	<0.1	<0.1	33.0	<0.1	<0.1
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	33.6	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	478.0	578.0	3.9	<0.1	<0.1	<0.1	<0.1	45.7	<0.1	<0.1
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	214.0	<0.1	<0.1	<0.1	1.5		<0.1	<0.1	<0.1	<0.1	3250.0	1870.0	50.4	<0.1	<0.1	<0.1	<0.1	196.0	<0.1	<0.1
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC37	PFCPRC37	PFCPRC38 (SP)	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC41	PFCPRC41	PFCPRC41	PFCPRC41 A (SP)	PFCPRC42 (SP)	PFCPRC42 (SP)	PFCPRC43 (SP)	PFCPRC43 (SP)
					Sample Top	6.00	8.00	0.70	0.60	3.00	4.00	9.00	0.60	14.50	2.00	4.70	9.70	3.50	6.80	9.50	15.50	0.90	4.00	0.50	1.80
					Lookup soil	MG	MG	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	8	10	3	3	6	7	12	2	16	4	7	11	7	10	14	4	3	7	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	0.0	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	0.0	0.1	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																				
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC37	PFCPRC37	PFCPRC38 (SP)	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC41	PFCPRC41	PFCPRC41	PFCPRC41 A (SP)	PFCPRC42 (SP)	PFCPRC42 (SP)	PFCPRC43 (SP)	PFCPRC43 (SP)
					Sample Top	6.00	8.00	0.70	0.60	3.00	4.00	9.00	0.60	14.50	2.00	4.70	9.70	3.50	6.80	9.50	15.50	0.90	4.00	0.50	1.80
					Lookup soil	MG	MG	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	8	10	3	3	6	7	12	2	16	4	7	11	7	10	14	4	3	7	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	0.2	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	3.8	<0.05	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg											<100		<100					<100		
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg	14.0	<1									<1		18.0					12.0		
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg	<1	<1									<1		<1					<1		
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg	11.0	<1									2.0		6.0					<1		
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg	32.0	<1									<1		7.0					6.0		
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg											<100		<100					<100		
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg											<100		<100					<100		
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg	13.0	<1									10.0		5.0					6.0		
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg	<2	<2									<2		<2					<2		
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg	41.0	<1									17.0		12.0					10.0		
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg	<1	<1									<1		1.0					<1		
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg	<1	<1									<1		<1					<1		
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg											269.0		<100					<100		
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg											<100		<100					<100		
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg											<100		<100					<100		
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg											<100		<100					<100		
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg											<100		37300.0					<100		
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg											<100		<100					<100		
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg	<3	<3									<3		<3					<3		
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg											<100		<100					<100		
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg											<100		<100					<100		
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg	<3	<3									<3		<3					<3		
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg	<1	<1									<1		<1					<1		
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg											<100		<100					<100		
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg											3080.0		3520.0					657.0		
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg	8.0	<1									1.0		2.0					<1		
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg	<1	<1									<1		<1					<1		
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg											939.0		1170.0					993.0		
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg											<100		<100					<100		
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg	<1	<1									<1		<1					<1		
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg	<1	<1									<1		<1					<1		
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg											<100		<100					<100		
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg											<100		<100					<100		
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg											<100		<100					<100		
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg											<100		<100					<100		
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg	<1	<1									<1		<1					<1		

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC37	PFCPRC37	PFCPRC38 (SP)	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC41	PFCPRC41	PFCPRC41	PFCPRC41 A (SP)	PFCPRC42 (SP)	PFCPRC42 (SP)	PFCPRC43 (SP)	PFCPRC43 (SP)
					Sample Top	6.00	8.00	0.70	0.60	3.00	4.00	9.00	0.60	14.50	2.00	4.70	9.70	3.50	6.80	9.50	15.50	0.90	4.00	0.50	1.80
					Lookup soil	MG	MG	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	8	10	3	3	6	7	12	2	16	4	7	11	7	10	14	4	3	7	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg	232.0	66.0	239.0	51.0	441.0		76.0	49.0	104.0	176.0	721.0	525.0	308.0	288.0	173.0	142.0	103.0	755.0	28.0	29.0
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg	<10	<10									<10		<10					<10		
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg	<5	<5									<5		<5					<5		
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1.0		<1.0					<1.0		
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg	<5	<5									<5		<5					<5		
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg	2.0	2.0									2.0		2.0					6.0		
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg	<10	<10									<10		<10					<10		
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg	<1	<1									<1		<1					<1		
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg	<1	<1									<1		<1					<1		
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg											<100		<100					<100		
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg											<100		<100					<100		
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg	<1	<1									<1		<1					<1		
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg	<1	<1									<1		<1					<1		
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg											497.0		<100					<100		
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg											4740.0		357.0					763.0		
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg											<100		<100					<100		
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg											1880.0		1040.0					687.0		
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg	<3	<3									<3		<3					<3		
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg											<100		<100					<100		
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg											<100		<100					<100		
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg											<100		<100					<100		
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg											557.0		3430.0					609.0		
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg											<100		<100					<100		
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg	6.0	<1									2.0		7.0					1.0		
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg											<100		<100					<100		
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg	<1	<1									<1		<1					<1		
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg	<1	<1									<1		<1					1.0		
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg											<100		<100					<100		
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg	439.0	4.0									39.0		36.0					9.0		
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg											<100		<100					<100		
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg	<2	<2									<2		<2					<2		
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg	<1	<1									<1		<1					<1		
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg	<2	<2									<2		<2					6.0		
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg	61.0	<1									2.0		5.0					<1		
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg											<100		<100					<100		
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg	15.0	<1									2.0		9.0					7.0		
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg	29.0	<1									187.0		30.0					6.0		
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg	0.3	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	4.1	0.2	0.2	<0.01	<0.01	0.0	<0.01	0.0	<0.01	<0.01
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg	5.2	<0.01	<0.01	<0.01	<0.01		0.0	<0.01	<0.01	<0.01	1.7	0.7	1.4	0.1	0.1	0.0	<0.01	0.3	<0.01	<0.01
P1334	pH	SOLID	#N/A	mg/kg	pH	7.6	7.8	8.1	8.2	8.0	8.4	8.1	8.1	8.1	8.8	7.7	8.1	7.9	7.8	8.2	8.0	8.0	8.0	9.1	8.0
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC37	PFCPRC37	PFCPRC38 (SP)	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC41	PFCPRC41	PFCPRC41	PFCPRC41 A (SP)	PFCPRC42 (SP)	PFCPRC42 (SP)	PFCPRC43 (SP)	PFCPRC43 (SP)
					Sample Top	6.00	8.00	0.70	0.60	3.00	4.00	9.00	0.60	14.50	2.00	4.70	9.70	3.50	6.80	9.50	15.50	0.90	4.00	0.50	1.80
					Lookup soil	MG	MG	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	8	10	3	3	6	7	12	2	16	4	7	11	7	10	14	4	3	7	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC37	PFCPRC37	PFCPRC38 (SP)	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC41	PFCPRC41	PFCPRC41	PFCPRC41 A (SP)	PFCPRC42 (SP)	PFCPRC42 (SP)	PFCPRC43 (SP)	PFCPRC43 (SP)
					Sample Top	6.00	8.00	0.70	0.60	3.00	4.00	9.00	0.60	14.50	2.00	4.70	9.70	3.50	6.80	9.50	15.50	0.90	4.00	0.50	1.80
					Lookup soil	MG	MG	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	8	10	3	3	6	7	12	2	16	4	7	11	7	10	14	4	3	7	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg																				
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg																				
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg																				
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg																				
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg																				
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg																				
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg																				
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg																				
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg																				
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg																				
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg																				
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg																				
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units																				
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units																				
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC37	PFCPRC37	PFCPRC38 (SP)	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC41	PFCPRC41	PFCPRC41	PFCPRC41 A (SP)	PFCPRC42 (SP)	PFCPRC42 (SP)	PFCPRC43 (SP)	PFCPRC43 (SP)
					Sample Top	6.00	8.00	0.70	0.60	3.00	4.00	9.00	0.60	14.50	2.00	4.70	9.70	3.50	6.80	9.50	15.50	0.90	4.00	0.50	1.80
					Lookup soil	MG	MG	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	8	10	3	3	6	7	12	2	16	4	7	11	7	10	14	4	3	7	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg																				
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC37	PFCPRC37	PFCPRC38 (SP)	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC39	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC40 (SP)	PFCPRC41	PFCPRC41	PFCPRC41	PFCPRC41 A (SP)	PFCPRC42 (SP)	PFCPRC42 (SP)	PFCPRC43 (SP)	PFCPRC43 (SP)
					Sample Top	6.00	8.00	0.70	0.60	3.00	4.00	9.00	0.60	14.50	2.00	4.70	9.70	3.50	6.80	9.50	15.50	0.90	4.00	0.50	1.80
					Lookup soil	MG	MG	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	8	10	3	3	6	7	12	2	16	4	7	11	7	10	14	4	3	7	2	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg																				
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg						<0.007														
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg						<0.01														

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC43 (SP)	PFCPRC43 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC45 (SP)	PFCPRC45 (SP)	PFCPRC46 (SP)	PFCPRC55	PFCPRC55	PFTPH03	PFTPH06A	PFTPH13	PFWS01	PFWS01	PFWS02A	PFWS05 (SP)	PFWS07	PFWS08	PFWS09
					Sample Top	10.20	5.60	1.90	4.45	5.70	0.80	3.80	1.10	2.00	5.75	0.60	0.10	0.10	0.60	1.20	0.30	0.80	0.60	0.90	0.50
					Lookup soil	CHK	MG-LF	MG	MG	MG	MG-LF	MG-LF	MG	MG	HEAD							CWF			
					Sample Ref	12	8	3	7	9	2	5	2	3	6	2	1	1	2	3	2	3	2	3	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg	<0.02	0.6	0.0	<0.02	<0.02	1.9	<0.02	<0.02	0.0	<0.02	<0.02	<0.02	0.3	<0.02	<0.02	<0.02	0.1	<0.02	<0.02	<0.02
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg	<0.07	5.2	0.3	0.1	<0.07	5.9	0.1	<0.07	<0.07	<0.07	<0.07	0.3	1.7	<0.07	0.1	<0.07	0.6	<0.07	0.3	0.5
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg	<0.05	1.0	0.1	<0.05	<0.05	0.8	<0.05	<0.05	<0.05	<0.05	0.1	0.3	0.7	<0.05	0.1	<0.05	0.2	<0.05	0.2	0.2
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg	<0.03	1.1	0.1	<0.03	<0.03	0.9	<0.03	<0.03	<0.03	<0.03	0.1	0.3	0.9	<0.03	0.0	<0.03	0.2	<0.03	0.2	0.2
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg	<0.05	2.2	0.1	0.2	<0.05	1.8	<0.05	<0.05	<0.05	<0.05	0.1	0.4	1.3	<0.05	0.1	<0.05	0.4	<0.05	0.2	0.3
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg	<0.08	4.4	0.3	<0.08	<0.08	7.3	<0.08	<0.08	<0.08	<0.08	<0.08	0.4	1.9	<0.08	0.1	<0.08	0.7	<0.08	0.3	0.5
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg	<0.07	0.9	<0.07	<0.07	<0.07	0.9	<0.07	<0.07	<0.07	<0.07	<0.07	0.2	0.5	<0.07	<0.07	<0.07	0.2	<0.07	0.1	0.1
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg	<0.01	0.1	<0.01	<0.01	<0.01	0.2	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg	<0.06	1.9	0.2	0.1	<0.06	2.3	0.1	<0.06	<0.06	<0.06	<0.06	0.3	1.0	<0.06	0.1	<0.06	0.3	<0.06	0.2	0.3
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg	<0.04	1.7	0.1	<0.04	<0.04	1.6	<0.04	<0.04	<0.04	<0.04	0.1	0.4	1.2	<0.04	0.0	<0.04	0.3	<0.04	0.2	0.2
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg	<0.04	0.2	<0.04	<0.04	<0.04	0.2	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.2	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg	<0.04	2.0	0.1	0.0	<0.04	2.4	0.1	<0.04	<0.04	<0.04	0.1	0.2	0.9	<0.04	0.0	<0.04	0.3	<0.04	0.2	0.2
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	6.0	113.0	45.0	247.0	29.0	20.0	34.0	15.0	11.0	18.0	24.0	66.0	36.0	27.0	27.0	9.0	8.0	17.0	36.0	29.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.3	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	0.8	0.6	0.6	1.4	<0.17	<0.17	<0.17	<0.17	0.6	0.6	0.7	<0.17
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	12.0	38.0	29.0	28.0	38.0	12.0	22.0	19.0	7.0	18.0	10.0	16.0	28.0	14.0	10.0	5.0	15.0	7.0	26.0	18.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg																				
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	<1	15.0	6.0	13.0	6.0	3.0	9.0	10.0	1.0	3.0	<1	3.0	9.0	6.0	5.0	5.0	<1	2.0	7.0	4.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	<1	1.0	1.0	2.0	2.0	1.0	1.0	1.0	<1	1.0	<1	<1	2.0	1.0	1.0	<1	1.0	<1	1.0	1.0
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	<1.0	3.2	1.1	3.4	1.5	<1.0	<1.0	1.3	1.6	7.4	1.6	1.7	3.2	<1.0	<1.0	<1.0	3.0	<1.0	2.0	1.7
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.5	2.5	1.9	2.8	2.3	0.7	1.7	2.3	<0.5	1.1	<0.5	1.8	1.7	1.3	1.0	1.2	0.9	0.7	1.8	1.3
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	7.0	131.0	36.0	33.0	50.0	15.0	38.0	44.0	7.0	17.0	11.0	28.0	33.0	28.0	16.0	13.0	12.0	8.0	29.0	21.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	7.0	224.0	24.0	60.0	27.0	7.0	16.0	10.0	8.0	26.0	20.0	49.0	178.0	31.0	27.0	3.0	6.0	11.0	33.0	18.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	25.0	114.0	89.0	1010.0	126.0	33.0	55.0	39.0	28.0	61.0	49.0	209.0	75.0	41.0	34.0	20.0	29.0	55.0	98.0	74.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.0	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg	<0.01	0.2	<0.01	<0.01	<0.01	0.6	0.0	<0.01	0.1	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	<0.01	0.0	<0.01	0.0	<0.01
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg	<0.03	2.0	0.1	0.0	<0.03	6.1	0.0	<0.03	0.1	<0.03	<0.03	0.1	0.9	<0.03	0.1	<0.03	0.2	<0.03	0.1	0.1
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg	<0.01	0.3	<0.01	<0.01	<0.01	0.9	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	0.1	<0.01	0.0	<0.01	0.0	<0.01	<0.01	<0.01
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03	0.5	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units																				
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg	<0.1	0.6	<0.1	<0.1	<0.1	0.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg	<0.1	6.1	<0.1	3.1	<0.1	4.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.0	<0.1	3.2	<0.1	12.8	<0.1	<0.1	<0.1
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg	<0.1	23.6	<0.1	23.3	12.1	8.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	8.0	<0.1	84.1	<0.1	68.6	<0.1	<0.1	<0.1
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	<0.1	7.8	<0.1	4.3	<0.1	3.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.4	<0.1	14.6	<0.1	<0.1	<0.1
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	<0.1	139.0	<0.1	47.7	<0.1	23.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	108.0	<0.1	77.1	<0.1	<0.1	<0.1
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC43 (SP)	PFCPRC43 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC45 (SP)	PFCPRC45 (SP)	PFCPRC46 (SP)	PFCPRC55	PFCPRC55	PFTPH03	PFTPH06A	PFTPH13	PFWS01	PFWS01	PFWS02A	PFWS05 (SP)	PFWS07	PFWS08	PFWS09
					Sample Top	10.20	5.60	1.90	4.45	5.70	0.80	3.80	1.10	2.00	5.75	0.60	0.10	0.10	0.60	1.20	0.30	0.80	0.60	0.90	0.50
					Lookup soil	CHK	MG-LF	MG	MG	MG	MG-LF	MG-LF	MG	MG	HEAD							CWF			
					Sample Ref	12	8	3	7	9	2	5	2	3	6	2	1	1	2	3	2	3	2	3	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																				
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC43 (SP)	PFCPRC43 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC45 (SP)	PFCPRC45 (SP)	PFCPRC46 (SP)	PFCPRC55	PFCPRC55	PFTPH03	PFTPH06A	PFTPH13	PFWS01	PFWS01	PFWS02A	PFWS05 (SP)	PFWS07	PFWS08	PFWS09
					Sample Top	10.20	5.60	1.90	4.45	5.70	0.80	3.80	1.10	2.00	5.75	0.60	0.10	0.10	0.60	1.20	0.30	0.80	0.60	0.90	0.50
					Lookup soil	CHK	MG-LF	MG	MG	MG	MG-LF	MG-LF	MG	MG	HEAD							CWF			
					Sample Ref	12	8	3	7	9	2	5	2	3	6	2	1	1	2	3	2	3	2	3	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg		<100		<100	<100									<100	<100					
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg		<1		<1	<1									<1	<1					
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg		<1		<1	<1									<1	<1					
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg		<1		<1	<1									<1	<1					
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg		<1		<1	<1									<1	<1					
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg		<100		<100	<100									<100	<100					
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg		<100		<100	<100									<100	<100					
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg		<1		<1	<1									<1	<1					
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg		<2		<2	<2									<2	<2					
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg		<1		<1	<1									<1	<1					
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg		<1		<1	<1									<1	<1					
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg		<1		<1	<1									<1	<1					
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg		<100		<100	<100									<100	<100					
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg		<100		<100	<100									<100	<100					
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg		<100		<100	<100									<100	<100					
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg		<100		<100	<100									<100	<100					
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg		<100		482.0	<100									<100	<100					
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg		<100		<100	<100									<100	<100					
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg		<3		<3	<3									<3	<3					
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg		<100		<100	<100									<100	<100					
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg		<100		<100	<100									<100	<100					
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg		<3		<3	<3									<3	<3					
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg		<1		<1	<1									<1	<1					
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg		<100		<100	<100									<100	<100					
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg		<100		<100	<100									<100	<100					
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg		<1		<1	<1									<1	<1					
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg		<1		<1	<1									<1	<1					
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg		1750.0		144.0	<100									<100	<100					
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg		<100		<100	<100									<100	<100					
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg		<1		<1	<1									<1	<1					
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg		<1		<1	<1									<1	<1					
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg		<100		<100	<100									<100	<100					
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg		<100		<100	<100									<100	<100					
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg		<100		<100	<100									<100	<100					
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg		<100		<100	<100									<100	<100					
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg		<1		<1	<1									<1	<1					

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC43 (SP)	PFCPRC43 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC45 (SP)	PFCPRC45 (SP)	PFCPRC46 (SP)	PFCPRC55	PFCPRC55	PFTPH03	PFTPH06A	PFTPH13	PFWS01	PFWS01	PFWS02A	PFWS05 (SP)	PFWS07	PFWS08	PFWS09
					Sample Top	10.20	5.60	1.90	4.45	5.70	0.80	3.80	1.10	2.00	5.75	0.60	0.10	0.10	0.60	1.20	0.30	0.80	0.60	0.90	0.50
					Lookup soil	CHK	MG-LF	MG	MG	MG	MG-LF	MG-LF	MG	MG	HEAD							CWF			
					Sample Ref	12	8	3	7	9	2	5	2	3	6	2	1	1	2	3	2	3	2	3	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg	29.0	180.0	134.0	217.0	83.0	52.0	86.0	50.0	69.0	242.0	213.0	2180.0	119.0	71.0	80.0	37.0	46.0	85.0	531.0	579.0
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg		<10		<10	<10									<10	<10					
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg		<5		<5	<5									<5	<5					
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg		<0.2		<0.2	<0.2									<1	<1					
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg		<10		<10	<10									<5	<5					
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg		<1		2.0	1.0									<1	<1					
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg		<10		<10	<10									<10	<10					
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg		<1		<1	<1									<1	<1					
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg		<1		<1	<1									<1	<1					
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg		<100		<100	<100									<100	<100					
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg		<100		<100	<100									<100	<100					
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg		<1		<1	<1									<1	<1					
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg		<1		<1	<1									<1	<1					
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg		<100		<100	<100									<100	<100					
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg		<100		<100	<100									<100	<100					
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg		<100		<100	<100									<100	<100					
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg		198.0		<100	<100									<100	<100					
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg		<3		<3	<3									<3	<3					
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg		<100		<100	<100									<100	<100					
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg		<100		<100	<100									<100	<100					
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg		<100		<100	<100									<100	<100					
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg		<100		<100	<100									<100	<100					
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg		<100		<100	<100									<100	<100					
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg		<1		<1	<1									<1	<1					
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg		<100		<100	<100									<100	<100					
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg		<1		<1	<1									<1	<1					
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg		<1		<1	<1									<1	<1					
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg		<100		<100	<100									<100	<100					
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg		<1		<1	<1									<1	<1					
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg		<100		<100	<100									<100	<100					
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg		<2		<2	<2									<2	<2					
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg		<1		<1	<1									<1	<1					
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg		<2		<2	<2									<2	<2					
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg		<1		<1	<1									<1	<1					
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg		<100		<100	<100									<100	<100					
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg		<1		<1	<1									<1	<1					
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg		<1		<1	<1									<1	<1					
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1334	pH	SOLID	#N/A	mg/kg	pH	8.5	8.3	8.1	7.5	7.7	8.3	7.6	7.8	9.3	8.1	8.2	8.1	8.0	7.9	8.0	8.1	8.0	8.6	7.9	7.7
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC43 (SP)	PFCPRC43 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC45 (SP)	PFCPRC45 (SP)	PFCPRC46 (SP)	PFCPRC55	PFCPRC55	PFTPH03	PFTPH06A	PFTPH13	PFWS01	PFWS01	PFWS02A	PFWS05 (SP)	PFWS07	PFWS08	PFWS09
					Sample Top	10.20	5.60	1.90	4.45	5.70	0.80	3.80	1.10	2.00	5.75	0.60	0.10	0.10	0.60	1.20	0.30	0.80	0.60	0.90	0.50
					Lookup soil	CHK	MG-LF	MG	MG	MG	MG-LF	MG-LF	MG	MG	HEAD							CWF			
					Sample Ref	12	8	3	7	9	2	5	2	3	6	2	1	1	2	3	2	3	2	3	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC43 (SP)	PFCPRC43 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC45 (SP)	PFCPRC45 (SP)	PFCPRC46 (SP)	PFCPRC55	PFCPRC55	PFTPH03	PFTPH06A	PFTPH13	PFWS01	PFWS01	PFWS02A	PFWS05 (SP)	PFWS07	PFWS08	PFWS09
					Sample Top	10.20	5.60	1.90	4.45	5.70	0.80	3.80	1.10	2.00	5.75	0.60	0.10	0.10	0.60	1.20	0.30	0.80	0.60	0.90	0.50
					Lookup soil	CHK	MG-LF	MG	MG	MG	MG-LF	MG-LF	MG	MG	HEAD							CWF			
					Sample Ref	12	8	3	7	9	2	5	2	3	6	2	1	1	2	3	2	3	2	3	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg																				
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg																				
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg																				
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg																				
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg																				
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg																				
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg																				
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg																				
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg																				
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg																				
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg																				
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg																				
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units																				
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units																				
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units																				
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC43 (SP)	PFCPRC43 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC45 (SP)	PFCPRC45 (SP)	PFCPRC46 (SP)	PFCPRC55	PFCPRC55	PFTPH03	PFTPH06A	PFTPH13	PFWS01	PFWS01	PFWS02A	PFWS05 (SP)	PFWS07	PFWS08	PFWS09
					Sample Top	10.20	5.60	1.90	4.45	5.70	0.80	3.80	1.10	2.00	5.75	0.60	0.10	0.10	0.60	1.20	0.30	0.80	0.60	0.90	0.50
					Lookup soil	CHK	MG-LF	MG	MG	MG	MG-LF	MG-LF	MG	MG	HEAD							CWF			
					Sample Ref	12	8	3	7	9	2	5	2	3	6	2	1	1	2	3	2	3	2	3	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg																				
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFCPRC43 (SP)	PFCPRC43 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC44 (SP)	PFCPRC45 (SP)	PFCPRC45 (SP)	PFCPRC46 (SP)	PFCPRC55	PFCPRC55	PFTPH03	PFTPH06A	PFTPH13	PFWS01	PFWS01	PFWS02A	PFWS05 (SP)	PFWS07	PFWS08	PFWS09
					Sample Top	10.20	5.60	1.90	4.45	5.70	0.80	3.80	1.10	2.00	5.75	0.60	0.10	0.10	0.60	1.20	0.30	0.80	0.60	0.90	0.50
					Lookup soil	CHK	MG-LF	MG	MG	MG	MG-LF	MG-LF	MG	MG	HEAD							CWF			
					Sample Ref	12	8	3	7	9	2	5	2	3	6	2	1	1	2	3	2	3	2	3	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg																				
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFWS10	PFWS12	PFWS12	PFWS13	PFWS16	PFWS26	PFWS27	PFWS28	PFWS31	PFWS31	PFWS32	PFWS34	PFWS37	PFWS40	PFWS41	PFWS44	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	PFWSHH01
					Sample Top	1.00	0.20	1.00	0.60	0.30	0.20	0.30	0.40	0.20	0.50	0.40	0.50	0.60	1.00	1.00	0.50	0.20	1.50	2.50	0.50
					Lookup soil				CWF						CWF							TS	MADE GROUND	MG-LF	
					Sample Ref	3	1	3	2	1	1	1	2	1	2	1	2	2	2	3	2	1	2	3	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg	0.3	0.0	5.2	0.1	<0.02	0.0	<0.02	<0.02	0.0	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				0.0
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg	3.1	1.3	23.6	0.7	0.3	0.7	<0.07	<0.07	0.3	<0.07	<0.07	0.1	<0.07	0.3	<0.07	<0.07				0.5
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg	0.7	0.2	3.4	0.4	0.3	0.3	<0.05	<0.05	0.2	<0.05	<0.05	0.1	<0.05	0.2	<0.05	<0.05				0.3
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg	0.9	0.3	4.8	0.4	0.3	0.4	<0.03	<0.03	0.2	<0.03	0.0	0.1	<0.03	0.2	<0.03	<0.03				0.3
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg	1.8	0.5	10.3	0.6	0.3	0.7	<0.05	<0.05	0.4	<0.05	<0.05	0.1	<0.05	0.2	<0.05	<0.05				0.5
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg	3.7	0.7	26.7	0.7	0.3	0.8	<0.08	<0.08	0.4	<0.08	<0.08	0.2	<0.08	0.3	<0.08	<0.08				0.6
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg	0.8	0.2	4.8	0.3	0.1	0.3	<0.07	<0.07	0.2	<0.07	<0.07	<0.07	<0.07	0.1	<0.07	<0.07				0.2
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg	0.1	0.1	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg	1.7	0.6	10.6	0.5	0.2	0.5	<0.06	<0.06	0.3	<0.06	<0.06	0.1	<0.06	0.2	<0.06	<0.06				0.4
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg	1.7	0.6	9.3	0.6	0.2	0.6	<0.04	<0.04	0.3	<0.04	0.1	0.1	<0.04	0.2	<0.04	<0.04				0.5
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg	0.2	0.1	1.1	0.1	<0.04	0.1	<0.04	<0.04	0.1	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04				0.1
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg	1.9	0.7	12.6	0.4	0.1	0.4	<0.04	<0.04	0.2	<0.04	<0.04	0.1	<0.04	0.2	<0.04	<0.04				0.3
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																	<1	<1	6.8	
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	44.0	7.0	16.0	37.0	49.0	13.0	42.0	58.0	32.0	14.0	26.0	21.0	19.0	11.0	13.0	45.0	20.3	7.5	117.0	36.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.17	<0.17	<0.17	0.2	0.6	<0.17	<0.17	<0.17	0.2	<0.17	<0.17	0.2	<0.17	<0.17	<0.17	<0.17	<0.14	<0.14	<0.14	<0.17
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	55.0	29.0	8.0	23.0	12.0	18.0	13.0	36.0	12.0	68.0	19.0	8.0	19.0	12.0	12.0	30.0	15.9	6.0	130.0	15.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg																	<0.6	<0.6	2.2	
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	36.0	9.0	<1	11.0	6.0	3.0	6.0	4.0	4.0	2.0	9.0	3.0	8.0	3.0	6.0	5.0	8.1	2.8	12.8	10.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.0	1.0	3.0	1.0	<1	1.0	1.0	2.0	1.0	3.0	1.0	1.0	1.0	1.0	1.0	3.0	0.7	0.3	0.7	1.0
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	<1.0	<1.0	2.2	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	1.4	2.9	<1	1.3	3.1	<1.0
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	4.0	0.6	0.7	2.5	1.1	1.1	1.1	1.9	1.0	1.5	1.4	0.6	1.6	1.0	1.3	1.5	0.1	<0.02	1.7	1.4
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	16.0	12.0	17.0	59.0	18.0	25.0	17.0	41.0	12.0	27.0	26.0	10.0	31.0	18.0	29.0	15.0	8.9	6.1	31.0	17.0
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	12.0	57.0	22.0	25.0	27.0	13.0	16.0	54.0	44.0	20.0	11.0	15.0	11.0	14.0	9.0	33.0	11.1	4.5	37.2	22.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg																	21.1	10.5	24.6	
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	121.0	27.0	38.0	73.0	217.0	38.0	49.0	125.0	43.0	82.0	47.0	50.0	42.0	38.0	28.0	91.0	50.5	27.5	415.0	64.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	2.0	1.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg	0.1	<0.01	1.2	0.0	<0.01	<0.01	0.0	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg	1.5	0.1	12.8	0.3	0.1	0.2	0.1	<0.03	0.2	<0.03	<0.03	0.1	<0.03	0.1	<0.03	0.0				0.2
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg	0.1	<0.01	1.3	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03				<0.03
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																	<0.035	<0.035	0.1	
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units																	8.3	8.3	7.7	
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg	<0.1	0.2	50.4	<0.1	<0.1	1.1	2.1	<0.1	1.0	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1				<0.1
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg	<0.1	2.0	282.0	1.0	<0.1	5.8	3.5	<0.1	6.6	<0.1	<0.1	<0.1	<0.1	0.5	<0.1	<0.1				4.9
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg	<0.1	5.5	342.0	<0.1	<0.1	30.2	73.1	<0.1	43.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				0.5
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg	<0.1	1.4	3.8	14.1	<0.1	<0.1	5.0	<0.1	<0.1	<0.1	<0.1	1.0	<0.1	<0.1	<0.1	<0.1				<0.1
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	<0.1	6.7	8.6	1.2	<0.1	<0.1	5.5	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<0.1				<0.1
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	<0.1	12.1	6.8	<0.1	<0.1	<0.1	93.4	<0.1	15.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFWS10	PFWS12	PFWS12	PFWS13	PFWS16	PFWS26	PFWS27	PFWS28	PFWS31	PFWS31	PFWS32	PFWS34	PFWS37	PFWS40	PFWS41	PFWS44	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	PFWSHH01
					Sample Top	1.00	0.20	1.00	0.60	0.30	0.20	0.30	0.40	0.20	0.50	0.40	0.50	0.60	1.00	1.00	0.50	0.20	1.50	2.50	0.50
					Lookup soil				CWF						CWF							TS	MADE GROUND	MG-LF	
					Sample Ref	3	1	3	2	1	1	1	2	1	2	1	2	2	2	3	2	1	2	3	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																	<0.01	<0.01	<0.01	
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																				
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFWS10	PFWS12	PFWS12	PFWS13	PFWS16	PFWS26	PFWS27	PFWS28	PFWS31	PFWS31	PFWS32	PFWS34	PFWS37	PFWS40	PFWS41	PFWS44	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	PFWSHH01
					Sample Top	1.00	0.20	1.00	0.60	0.30	0.20	0.30	0.40	0.20	0.50	0.40	0.50	0.60	1.00	1.00	0.50	0.20	1.50	2.50	0.50
					Lookup soil				CWF						CWF							TS	MADE GROUND	MG-LF	
					Sample Ref	3	1	3	2	1	1	1	2	1	2	1	2	2	2	3	2	1	2	3	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg		<200							<100											
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg		<1							<1											
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg		<1							<1											
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg		<1							<1											
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg		<1							<1											
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg		<200							<100											
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg		<200							<100											
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg		<1							<1											
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg		<2							<2											
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg		<1							<1											
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg		<1							<1											
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg		<1							<1											
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg		<200							<100											
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg		<200							<100											
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg		<200							<100											
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg		<200							<100											
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg		<200							<100											
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg		<200							<100											
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg		<3							<3											
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg		<200							<100											
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg		<200							<100											
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg		<3							<3											
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg		<1							<1											
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg		<200							<100											
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg		<200							<100											
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg		<1							<1											
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg		<1							<1											
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg		<200							104.0											
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg		<200							<100											
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg		<1							<1											
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg		<1							<1											
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg		<200							<100											
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg		<200							<100											
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg		<200							<100											
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg		<200							<100											
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg		<1							<1											

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFWS10	PFWS12	PFWS12	PFWS13	PFWS16	PFWS26	PFWS27	PFWS28	PFWS31	PFWS31	PFWS32	PFWS34	PFWS37	PFWS40	PFWS41	PFWS44	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	PFWSHH01
					Sample Top	1.00	0.20	1.00	0.60	0.30	0.20	0.30	0.40	0.20	0.50	0.40	0.50	0.60	1.00	1.00	0.50	0.20	1.50	2.50	0.50
					Lookup soil				CWF						CWF							TS	MADE GROUND	MG-LF	
					Sample Ref	3	1	3	2	1	1	1	2	1	2	1	2	2	2	3	2	1	2	3	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg	69.0	29.0	202.0	77.0	58.0	50.0	145.0	163.0	85.0	106.0	76.0	102.0	62.0	71.0	71.0	113.0				118.0
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg		<10							<10											
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg		<5							<5											
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg		<5							<5											
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg		<1							<1											
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg		<10							<10											
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg		<1							<1											
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg		<1							<1											
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg		<200							<100											
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg		<200							<100											
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg		<1							<1											
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg		<1							<1											
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg		<200							<100											
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg		<200							<100											
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg		<200							<100											
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg		<200							<100											
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg		<3							<3											
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg		<200							<100											
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg		<200							<100											
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg		<200							<100											
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg		<200							<100											
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg		<200							<100											
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg		<1							<1											
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg		<200							<100											
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg		<1							<1											
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg		<1							<1											
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg		<200							<100											
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg		<1							<1											
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg		<200							<100											
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg		<2							<2											
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg		<1							<1											
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg		<2							<2											
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg		<1							<1											
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg		<200							<100											
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg		<1							<1											
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg		<1							<1											
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01
P1334	pH	SOLID	#N/A	mg/kg	pH	8.6	11.1	8.8	7.9	8.8	10.0	8.1	8.0	8.3	7.8	7.7	8.5	8.2	8.3	8.3	7.9				8.9
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFWS10	PFWS12	PFWS12	PFWS13	PFWS16	PFWS26	PFWS27	PFWS28	PFWS31	PFWS31	PFWS32	PFWS34	PFWS37	PFWS40	PFWS41	PFWS44	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	PFWSHH01
					Sample Top	1.00	0.20	1.00	0.60	0.30	0.20	0.30	0.40	0.20	0.50	0.40	0.50	0.60	1.00	1.00	0.50	0.20	1.50	2.50	0.50
					Lookup soil				CWF						CWF							TS	MADE GROUND	MG-LF	
					Sample Ref	3	1	3	2	1	1	1	2	1	2	1	2	2	2	3	2	1	2	3	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFWS10	PFWS12	PFWS12	PFWS13	PFWS16	PFWS26	PFWS27	PFWS28	PFWS31	PFWS31	PFWS32	PFWS34	PFWS37	PFWS40	PFWS41	PFWS44	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	PFWSHH01
					Sample Top	1.00	0.20	1.00	0.60	0.30	0.20	0.30	0.40	0.20	0.50	0.40	0.50	0.60	1.00	1.00	0.50	0.20	1.50	2.50	0.50
					Lookup soil				CWF						CWF							TS	MADE GROUND	MG-LF	
					Sample Ref	3	1	3	2	1	1	1	2	1	2	1	2	2	2	3	2	1	2	3	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg																				
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg																				
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg																				
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg																				
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg																				
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg																				
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg																				
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg																				
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg																				
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg																				
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg																				
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg																	<0.015	<0.015	0.1	
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg																	<0.01	<0.01	<0.01	
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units																	Not Detected	Not Detected	Not Detected	
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units																	Not Detected	Not Detected	Not Detected	
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units																	Not Detected	Not Detected	Not Detected	
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units																	Not Detected	Not Detected	Not Detected	
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units																	Not Detected	Not Detected	Not Detected	
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units																	Not Detected	Not Detected	Not Detected	
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFWS10	PFWS12	PFWS12	PFWS13	PFWS16	PFWS26	PFWS27	PFWS28	PFWS31	PFWS31	PFWS32	PFWS34	PFWS37	PFWS40	PFWS41	PFWS44	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	PFWSHH01
					Sample Top	1.00	0.20	1.00	0.60	0.30	0.20	0.30	0.40	0.20	0.50	0.40	0.50	0.60	1.00	1.00	0.50	0.20	1.50	2.50	0.50
					Lookup soil				CWF						CWF							TS	MADE GROUND	MG-LF	
					Sample Ref	3	1	3	2	1	1	1	2	1	2	1	2	2	2	3	2	1	2	3	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg																				
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFWS10	PFWS12	PFWS12	PFWS13	PFWS16	PFWS26	PFWS27	PFWS28	PFWS31	PFWS31	PFWS32	PFWS34	PFWS37	PFWS40	PFWS41	PFWS44	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	AEC18-LF-PFWS61A	PFWSHH01
					Sample Top	1.00	0.20	1.00	0.60	0.30	0.20	0.30	0.40	0.20	0.50	0.40	0.50	0.60	1.00	1.00	0.50	0.20	1.50	2.50	0.50
					Lookup soil				CWF						CWF							TS	MADE GROUND	MG-LF	
					Sample Ref	3	1	3	2	1	1	1	2	1	2	1	2	2	2	3	2	1	2	3	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg																				
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFWSHH03	PFWSHH04	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP204	AEC18-LF-TP204	AEC18-LF-TP205	AEC18-LF-TP205	AEC18-LF-TP206	AEC18-LF-TP206	AEC18-LF-TP207	AEC18-LF-TP207	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP209
					Sample Top	0.50	1.00	0.20	1.50	4.50	0.20	1.80	2.80	0.50	4.50	0.10	2.50	0.80	3.30	1.60	3.60	0.60	1.60	2.90	1.20
					Lookup soil			TS	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF
					Sample Ref	2	3	1	3	6	1	3	4	1	5		3	2	5	3	5	2	3	4	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg	<0.01	<0.01																		
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg	<0.01	<0.01																		
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg	<0.02	<0.02																		
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg	0.3	0.3																		
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg	0.2	0.2																		
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg	0.2	0.2																		
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg	0.3	0.2																		
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg	0.4	0.3																		
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg	0.2	0.1																		
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg	<0.01	<0.01																		
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg	0.2	0.2																		
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg	0.3	0.2																		
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg	0.1	0.0																		
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg	0.2	0.2																		
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	5.4	<1	<0.5	<1	2.9	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg	<0.01	<0.01																		
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	13.0	27.0	26.5	18.4	49.1	23.1	262.0	86.0	11.5	130.0	24.9	97.9	2.0	44.5	131.0	132.0	<0.002	89.2	459.0	85.7
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.6	0.4	<0.14	<0.14	<0.14	<0.14	2.3	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	0.6	<0.14	<0.0001	<0.14	1.2	<0.14
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	6.0	9.0	35.5	16.4	65.7	8.8	24.1	19.6	10.5	26.4	16.4	34.6	5.3	28.4	14.7	28.6	<0.004	17.6	102.0	12.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg			<0.6	<0.6	<0.6	<0.6	16.5	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	1.4	<0.6	<0.01	0.9	3.5	<0.6
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	<1	3.0	21.1	9.8	51.5	3.2	13.8	12.4	4.4	24.6	10.4	23.7	1.5	23.3	10.4	22.3	0.0	10.4	12.2	9.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	<1	<1	0.8	0.8	1.0	0.2	1.2	1.1	0.4	0.8	0.7	0.7	0.2	1.3	0.8	0.8	<0.001	0.9	0.9	0.8
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	<1.0	<1.0	<1	<1	1.2	<1	2.6	2.5	<1	1.7	<1	1.3	<1	1.5	<1	<1	0.7	1.4	10.8	<1
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.5	0.8	<0.02	0.4	0.1	0.2	0.7	0.5	0.1	0.3	0.4	0.7	0.1	0.5	0.1	0.4	<0.0008	0.9	0.9	0.4
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	6.0	10.0	11.9	17.9	<0.9	10.5	20.8	14.8	7.8	16.0	13.0	12.5	3.3	25.2	13.4	18.4	0.1	20.9	49.3	14.4
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	15.0	18.0	18.6	19.8	29.4	10.1	67.9	30.3	7.5	37.0	13.9	22.9	4.1	29.4	26.7	36.4	<0.003	42.0	85.2	21.9
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg			40.5	34.8	52.4	32.6	34.3	35.0	14.5	30.5	29.4	34.9	5.4	46.5	30.1	40.0	<0.01	27.7	37.3	29.6
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	40.0	51.0	104.0	61.8	205.0	115.0	923.0	321.0	33.6	200.0	54.1	130.0	15.9	113.0	103.0	305.0	0.0	189.0	330.0	81.4
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.01	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg	<0.01	<0.01																		
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg	0.1	0.1																		
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg	<0.01	<0.01																		
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg	<0.03	<0.03																		
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg			<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.0	<0.035	<0.035	1.0	<0.035
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units			8.0	8.5	7.8	11.2	7.5	7.7	8.5	8.1	7.9	8.8	8.5	7.9	7.5	7.4	7.5	7.9	8.5	8.3
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg	<0.01	<0.01																		
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg	<0.1	<0.1																		
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg	1.8	2.8																		
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg	0.7	27.6																		
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg	0.5	43.6																		
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg	<0.01	<0.01																		
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg	<0.01	<0.01																		
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg	<0.01	<0.01																		
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg	<0.1	1.2																		
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg	<0.1	34.5																		
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	<0.1	65.3																		
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg	<0.1	43.2																		
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg	<0.01	<0.01																		
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFWSHH03	PFWSHH04	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP204	AEC18-LF-TP204	AEC18-LF-TP205	AEC18-LF-TP205	AEC18-LF-TP206	AEC18-LF-TP206	AEC18-LF-TP207	AEC18-LF-TP207	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP209
					Sample Top	0.50	1.00	0.20	1.50	4.50	0.20	1.80	2.80	0.50	4.50	0.10	2.50	0.80	3.30	1.60	3.60	0.60	1.60	2.90	1.20
					Lookup soil			TS	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF
					Sample Ref	2	3	1	3	6	1	3	4	1	5		3	2	5	3	5	2	3	4	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01	<0.01																		
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01	<0.01																		
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg			<0.01										<0.01	<0.01						
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFWSHH03	PFWSHH04	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP204	AEC18-LF-TP204	AEC18-LF-TP205	AEC18-LF-TP205	AEC18-LF-TP206	AEC18-LF-TP206	AEC18-LF-TP207	AEC18-LF-TP207	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP209
					Sample Top	0.50	1.00	0.20	1.50	4.50	0.20	1.80	2.80	0.50	4.50	0.10	2.50	0.80	3.30	1.60	3.60	0.60	1.60	2.90	1.20
					Lookup soil			TS	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF
					Sample Ref	2	3	1	3	6	1	3	4	1	5		3	2	5	3	5	2	3	4	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg	<0.01	<0.01																		
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg	<1	<1															<0.3			<0.6
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																	<0.5			
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																	<0.5			
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg					<4		<4	<4		<4		<4		<40	<4	35.5		<40	1280.0	<4
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg							<10	<10							<10	<10			649.0	<10
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg							<11	<11							<11	<11			<220	<11
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg							<5	<200							<200	39.0			<100	<100
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg							<5	<5							<5	<5			<100	<5
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg							<8	<8							<8	21.5			2900.0	<8
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg					<7		<7	<7		<7		<7		<70	<7	<7		<70	<140	<7
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg							<5	<5							<5	<5			<100	<5
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg							<500	<200							<200	751.0			1780.0	<100
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg							<500	<200							<200	132.0			<200	<100
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg			<50				<500	<200						<50	<200	<100			<200	<100
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg							<20	<20							<20	<100			<200	<100
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg							<5	<5							<5	<5			<100	<5
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg							1310.0	<200							657.0	1340.0			1590.0	<100
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg							<10	<10							<10	<10			325.0	<10
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg							<7	<7							<7	<7			<140	<7
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg							<6	<6							<6	<6			<120	<6
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg							<500	<200							<200	<100			<160	<100
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg							<8	<8							<8	<8			<160	<8
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg					<9		<9	<9		<9		<9		<90	<9	<9		<90	<180	<9

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFWSHH03	PFWSHH04	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP204	AEC18-LF-TP204	AEC18-LF-TP205	AEC18-LF-TP205	AEC18-LF-TP206	AEC18-LF-TP206	AEC18-LF-TP207	AEC18-LF-TP207	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP209
					Sample Top	0.50	1.00	0.20	1.50	4.50	0.20	1.80	2.80	0.50	4.50	0.10	2.50	0.80	3.30	1.60	3.60	0.60	1.60	2.90	1.20
					Lookup soil			TS	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF
					Sample Ref	2	3	1	3	6	1	3	4	1	5		3	2	5	3	5	2	3	4	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg							<7	<7							<7	<7			<140	<7
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg	134.0	185.0															0.1			
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg							<7	<7							<7	<7			<140	<7
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg							<9	<9							<9	<9			<180	<9
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg							<6	<6							<6	<6			<120	<6
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg							11.7	<10							<10	<10			<200	<10
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg							17.1	<7							<7	<7			<140	<7
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg							<7	<7							<7	<7			<140	<7
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg							<8	<8							<8	<8			<160	<8
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg							<6	<6							<6	<6			<120	<6
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg							<6	<6							<6	<6			<120	<6
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg							<9	<9							<9	<9			<180	<9
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg							<500	<200							<200	173.0			<200	<100
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg							661.0	<200							426.0	596.0			520.0	<100
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg							<20	<20							<20	<20			<400	<20
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg							<20	<20							<20	<100			<200	<100
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg							<500	<200							<200	<100			6880.0	<100
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg							<500	<200							<200	129.0			1540.0	<100
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg					<10		<10	<10		<10		<10		<100	<10	<10		<100	943.0	<10
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg							<9	<9							<9	<9			<180	<9
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg							34.3	<9							<9	59.5			9640.0	<9
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg							<14	<14							<14	<14			<280	<14
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg							<16	<16							<16	<16			<320	<16
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg							<14	<14							<14	<14			<280	<14
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg							<5	<5							<5	<5			229.0	<5
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg							<10	<10							<10	<10			889.0	<10
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg					<10		<10	<10		<10		<10		<100	<10	<10		<100	5960.0	<10
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg	<0.01	<0.01																		
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg	<0.01	<0.01																		
P1334	pH	SOLID	#N/A	mg/kg	pH	8.4	9.8																		
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFWSHH03	PFWSHH04	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP204	AEC18-LF-TP204	AEC18-LF-TP205	AEC18-LF-TP205	AEC18-LF-TP206	AEC18-LF-TP206	AEC18-LF-TP207	AEC18-LF-TP207	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP209
					Sample Top	0.50	1.00	0.20	1.50	4.50	0.20	1.80	2.80	0.50	4.50	0.10	2.50	0.80	3.30	1.60	3.60	0.60	1.60	2.90	1.20
					Lookup soil			TS	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF
					Sample Ref	2	3	1	3	6	1	3	4	1	5		3	2	5	3	5	2	3	4	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFWSHH03	PFWSHH04	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP204	AEC18-LF-TP204	AEC18-LF-TP205	AEC18-LF-TP205	AEC18-LF-TP206	AEC18-LF-TP206	AEC18-LF-TP207	AEC18-LF-TP207	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP209
					Sample Top	0.50	1.00	0.20	1.50	4.50	0.20	1.80	2.80	0.50	4.50	0.10	2.50	0.80	3.30	1.60	3.60	0.60	1.60	2.90	1.20
					Lookup soil			TS	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF
					Sample Ref	2	3	1	3	6	1	3	4	1	5		3	2	5	3	5	2	3	4	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg			<50											<50						
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg					22.9		928.0	372.0		927.0		108.0		121.0	1890.0	1320.0		727.0	1680.0	<100
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg					159.0		4480.0	2670.0		5240.0		349.0		560.0	13600.0	3260.0		4000.0	5990.0	388.0
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg					82.5		1950.0	1030.0		1850.0		90.8		196.0	4110.0	913.0		1550.0	1260.0	137.0
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg					113.0		1330.0	746.0		2330.0		119.0		167.0	6680.0	1160.0		1520.0	1620.0	137.0
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg					153.0		3130.0	1600.0		3230.0		191.0		314.0	6090.0	1270.0		2190.0	2300.0	125.0
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg					178.0		5050.0	2960.0		6110.0		433.0		667.0	15900.0	4950.0		4490.0	7900.0	422.0
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg					62.2		1380.0	680.0		1350.0		65.5		136.0	4040.0	836.0		960.0	1750.0	182.0
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg					<12		<500	<200		244.0		20.4		42.8	409.0	101.0		176.0	<200	<100
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg					91.4		2030.0	1280.0		2490.0		145.0		220.0	5480.0	1200.0		1890.0	2440.0	228.0
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg					117.0		2220.0	1460.0		2890.0		157.0		237.0	7230.0	1610.0		2460.0	2420.0	194.0
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg					<23		<500	<200		419.0		<23		41.4	779.0	186.0		321.0	242.0	<100
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg					95.3		2020.0	1300.0		2470.0		155.0		249.0	7800.0	1680.0		2120.0	3160.0	228.0
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg					<8		708.0	<200		318.0		124.0		107.0	1220.0	2470.0		410.0	2350.0	<100
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg					76.5		3200.0	1270.0		3280.0		332.0		367.0	4790.0	5670.0		2130.0	8370.0	109.0
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg					<10		602.0	<200		449.0		206.0		105.0	1930.0	2160.0		467.0	2270.0	<10
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg					<9		37.0	<13		113.0		94.6		41.9	43.2	59.8		180.0	2260.0	<100
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																	<0.5			
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg			<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.0	<0.015	<0.015	1.0	<0.015
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg			0.0	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	0.0	<0.01
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units			Not Detected	Not Detected	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected		Detected	Not Detected	Not Detected	Not Detected	Not Detected
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg														<0.02						
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg														<0.02						
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg														<0.02						
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg					<10		<10	<10				<10		<100	<10	<10		<100	<200	<10
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g														<0.00045						<0.00042
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g														<0.0012						<0.0014
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<50											<50						

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFWSHH03	PFWSHH04	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP204	AEC18-LF-TP204	AEC18-LF-TP205	AEC18-LF-TP205	AEC18-LF-TP206	AEC18-LF-TP206	AEC18-LF-TP207	AEC18-LF-TP207	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP209
					Sample Top	0.50	1.00	0.20	1.50	4.50	0.20	1.80	2.80	0.50	4.50	0.10	2.50	0.80	3.30	1.60	3.60	0.60	1.60	2.90	1.20
					Lookup soil			TS	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF
					Sample Ref	2	3	1	3	6	1	3	4	1	5		3	2	5	3	5	2	3	4	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
																			<0.46						<0.5
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g														<0.09						<0.044
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g														<0.25						<0.22
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g														<0.043						0.3
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g														<0.0038						<0.0023
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg			<0.01										<0.01	<0.01						
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g														<0.055						0.0
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g														<0.19						<0.076
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g														<0.012						<0.0041
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g														<0.0012						<0.0014
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g														<0.046						<0.012
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g														<0.00061						<0.00062
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g														<0.0033						<0.0011
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<50											<50						
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g														<0.086						<0.063
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g														<0.0087						<0.0045
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g														<0.0012						<0.00069
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g														<0.0012						<0.00069
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g														<0.003						<0.0025
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g														<0.0026						<0.0083
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g														<0.0024						<0.0014
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g														<0.003						<0.0013
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g														<0.0021						<0.0084
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g														<0.017						<0.009
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g														<0.017						<0.06
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g														<0.0025						<0.02
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g														<0.003						<0.0013
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<50											<50						
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g														<0.0015						<0.0013
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g														<0.0019						<0.012
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg			<0.01										<0.01	<0.01						
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg														<0.05						
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg					<40		<40	<40				<40		<400	<40	<40		<400	8180.0	<40
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg					<10		<10	<10				<10		<10	<10	<10		<10	<200	<10
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg					<10		<10	<10				<10		<10	<10	<10		<10	<200	<10
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg					36.6		441.0	128.0				105.0		73.8	342.0	595.0		81.6	231000.0	<10
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg					40.1		735.0	98.0				269.0		38.1	316.0	1300.0		96.0	199000.0	<10
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg					273.0		7930.0	3160.0				4430.0		2800.0	17700.0	17100.0		4210.0	77200.0	1410.0
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg					3880.0		51000.0	23100.0				13600.0		7030.0	110000.0	61500.0		24300.0	179000.0	29400.0
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg					17500.0		229000.0	118000.0				41000.0		60600.0	333000.0	198000.0		113000.0	524000.0	98700.0
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg					4560.0		89300.0	31900.0				15300.0		120000.0	127000.0	69100.0		54700.0	144000.0	32700.0
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg					13.0		16.4	16.1				<10		<10	13.6	15.5		<10	220.0	<10
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg					18.9		80.7	64.5				20.1		46.4	91.5	137.0		34.8	6120.0	<10
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg					49.6		662.0	192.0				148.0		88.1	513.0	891.0		90.0	283000.0	<10
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg					61.4		1100.0	146.0				404.0		57.1	475.0	1950.0		144.0	298000.0	<10
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg					<100		12300.0	<100				5180.0		5820.0	9890.0	17100.0		3830.0	91800.0	1510.0
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg					<100		51600.0	6810.0				12200.0		12300.0	23500.0	46900.0		12300.0	124000.0	6100.0
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg					2880.0		272000.0	38500.0				36800.0		48600.0	109000.0	390000.0		68700.0	1040000.0	30300.0
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg					<100		79100.0	11900.0				5750.0		57900.0	47300.0	118000.0		26700.0	190000.0	8850.0
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																	<0.3			
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																	<20			
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																	7.1			
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																	<0.1			
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																	<0.6			
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																	<0.19			
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																	6.3			
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																	0.1			
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																	11.9			
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																	33.6			
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																	261.0			
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																	<2			
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																	<0.03			
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	PFWSHH03	PFWSHH04	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP202	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP203 (PFTP14)	AEC18-LF-TP204	AEC18-LF-TP204	AEC18-LF-TP205	AEC18-LF-TP205	AEC18-LF-TP206	AEC18-LF-TP206	AEC18-LF-TP207	AEC18-LF-TP207	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP208	AEC18-LF-TP209
					Sample Top	0.50	1.00	0.20	1.50	4.50	0.20	1.80	2.80	0.50	4.50	0.10	2.50	0.80	3.30	1.60	3.60	0.60	1.60	2.90	1.20
					Lookup soil			TS	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF
					Sample Ref	2	3	1	3	6	1	3	4	1	5		3	2	5	3	5	2	3	4	2
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<500	<200							<200	<100			<200	<100
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<10	<10							<10	<10			<200	<10
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP209	AEC18-LF-TP210	AEC18-LF-TP210	AEC18-LF-TP211	AEC18-LF-TP211	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP215
					Sample Top	4.20	0.80	3.00	0.50	3.00	0.50	2.00	4.00	1.50	2.50	3.50	1.50	2.50	3.50	0.50	1.50	2.50	0.80	3.10	4.10
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF
					Sample Ref	5	2	4	2	7	2	4	6	3	5	6	2	3	4	1	2	3	2	4	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																				
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																				
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																				
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																				
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																				
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																				
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																				
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	3.7	<1	<1	<1	<0.5	<1	2.5	<1	<1	1.5	3.2	<1	<1	<1	<1	7.6	<1	<0.5	<1	<0.5
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																				
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	109.0	403.0	27.0	70.6	0.0	48.5	255.0	99.7	44.6	224.0	274.0	71.0	7.1	138.0	25.4	325.0	103.0	0.0	65.4	0.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	1.6	<0.14	<0.14	<0.14	<0.0001	<0.14	1.0	<0.14	<0.14	<0.14	1.4	<0.14	<0.14	<0.14	<0.14	<0.14	1.7	<0.0001	<0.14	<0.0001
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	104.0	32.9	32.3	28.9	1.5	17.5	31.0	32.4	17.1	30.9	48.4	20.4	2.9	24.2	24.4	41.1	76.4	0.0	28.4	0.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	10.6	3.6	<0.6	<0.6	0.0	1.0	4.9	1.5	<0.6	<0.6	17.7	<0.6	<0.6	1.0	<0.6	37.9	10.7	<0.6	<0.6	0.0
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	15.3	17.6	9.5	15.7	0.0	8.4	14.4	12.4	10.6	18.5	15.1	15.0	0.8	11.3	14.8	14.0	13.3	0.0	21.9	0.0
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	<0.01	1.6	2.1	1.1	<0.001	0.7	0.9	1.5	1.5	1.7	0.8	1.3	0.1	1.8	1.2	1.0	0.8	<0.001	1.2	<0.001
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	2.0	1.3	1.3	1.1	4.0	1.5	2.9	2.8	1.5	5.3	3.6	1.4	<1	1.8	<1	19.6	6.5	1.1	1.8	0.9
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	3.6	1.1	0.6	0.6	<0.0008	0.1	1.6	0.5	0.2	0.3	2.9	0.1	0.1	1.5	0.4	1.4	0.8	<0.0008	0.8	<0.0008
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	72.7	30.9	19.9	19.7	0.1	11.3	56.4	21.8	15.5	30.6	94.6	13.4	4.8	21.8	35.4	21.6	44.3	0.1	26.0	0.1
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	186.0	54.4	19.8	46.1	0.1	14.2	120.0	88.5	21.5	40.2	125.0	30.1	7.4	36.3	20.4	61.7	43.4	0.0	39.5	<0.003
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	17.4	46.8	43.2	40.4	<0.01	46.2	27.9	46.0	41.5	67.7	23.3	39.8	2.6	33.3	64.9	30.3	30.9	0.0	49.7	0.0
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	423.0	283.0	90.7	133.0	0.2	75.8	535.0	274.0	74.3	170.0	738.0	126.0	35.3	188.0	76.8	354.0	229.0	0.1	143.0	0.2
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.01	<1	<0.01
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																				
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																				
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																				
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																				
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	0.1	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.2	<0.035	<0.035	0.2	<0.035	<0.035	0.4	<0.035	<0.035	<0.035
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	7.9	8.2	7.9	8.6	8.0	10.3	7.3	7.8	7.7	7.8	7.3	8.0	8.6	8.4	8.1	8.6	8.1	7.7	7.9	7.9
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP209	AEC18-LF-TP210	AEC18-LF-TP210	AEC18-LF-TP211	AEC18-LF-TP211	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP215
					Sample Top	4.20	0.80	3.00	0.50	3.00	0.50	2.00	4.00	1.50	2.50	3.50	1.50	2.50	3.50	0.50	1.50	2.50	0.80	3.10	4.10
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF
					Sample Ref	5	2	4	2	7	2	4	6	3	5	6	2	3	4	1	2	3	2	4	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	<0.01	<0.01	0.1	<0.01	<0.01	<0.01
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																	<0.01			
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																	<0.01			
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP209	AEC18-LF-TP210	AEC18-LF-TP210	AEC18-LF-TP211	AEC18-LF-TP211	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP215
					Sample Top	4.20	0.80	3.00	0.50	3.00	0.50	2.00	4.00	1.50	2.50	3.50	1.50	2.50	3.50	0.50	1.50	2.50	0.80	3.10	4.10
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF
					Sample Ref	5	2	4	2	7	2	4	6	3	5	6	2	3	4	1	2	3	2	4	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg					<0.3												<0.6	<0.3	<0.6	<0.3
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg					<0.5													<0.5		<0.5
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg					<0.5													<0.5		<0.5
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg	748.0	<4	<4		<4		<4	<4	<4		<4	<4		29.9	<4	<40	<40	<4	<4	370.0
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg	78.4				<10		<10				<10			21.9	<10	<100	<100		<10	<100
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg	<11				<11		<11				<11			<11	<11	<110	<110		<11	<110
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg	<100				<100		<200				<5			<5	<100	<1000	<100		<100	<100
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg	<5				<5		<5				<5			<5	<5	<50	<50		<5	<50
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg	646.0				<8		<8				18.2			231.0	<8	<80	<80		<8	<80
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg	<7	<7	<7		<7		<7	<7	<7		<7	<7		<7	<7	<70	<70	<7	<7	<70
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg	<5				<5		<5				<5			<5	<5	<50	<50		<5	<50
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg	1340.0				<100		<200				<500			<500	<100	<1000	<100		<100	<100
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg	11500.0				748.0		475.0				<500			1680.0	<100	<1000	420.0		<100	1220.0
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg	<100				<100		<20				<20			<20	<100	<1000	<100		<100	<100
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg	<5				<5		<5				<5			<5	<5	<50	<50		<5	<50
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg	409.0				<100		<200				2380.0			11700.0	<100	6170.0	378.0		221.0	<100
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg	157.0				<10		<10				<10			18.8	<10	<100	<100		<10	<100
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<7				<7		<7				<7			<7	<7	<70	<70		<7	<70
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg	<6				<6		<6				<6			<6	<6	<60	<60		<6	<60
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg	<8				<8		<8				<8			<8	<8	<80	<80		<8	<80
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg	<9	<9	<9		<9		<9	<9	<9		<9	<9		14.8	<9	<90	<90	<9	<9	<90

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP209	AEC18-LF-TP210	AEC18-LF-TP210	AEC18-LF-TP211	AEC18-LF-TP211	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP215
					Sample Top	4.20	0.80	3.00	0.50	3.00	0.50	2.00	4.00	1.50	2.50	3.50	1.50	2.50	3.50	0.50	1.50	2.50	0.80	3.10	4.10
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF
					Sample Ref	5	2	4	2	7	2	4	6	3	5	6	2	3	4	1	2	3	2	4	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg	<7				<7		<7				<7			<7	<7	<70	<70		<7	<70
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg					1.1													0.6		0.5
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg	<7				<7		<7				<7			<7	<7	<70	<70		<7	<70
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg	<9				<9		<9				<9			<9	<9	<90	<90		<9	<90
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg	<6				<6		<6				<6			<6	<6	<60	<60		<6	<60
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg	<10				68.6		19.1				<10			29.8	<10	<100	<100		<10	<100
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg	55.5				22.8		12.2				11.7			18.5	<7	<70	<70		<7	<70
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg	<7				<7		<7				<7			<7	<7	<70	<70		<7	<70
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg	<8				<8		<8				<8			<8	<8	<80	<80		<8	<80
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg	<6				<6		<6				<6			<6	<6	<60	<60		<6	<60
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg	<6				<6		<6				<6			<6	<6	<60	<60		<6	<60
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg	<9				<9		<9				<9			<9	<9	<90	<90		<9	<90
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg	<100				<100		<200				<500			41200.0	<100	<1000	<100		<100	<100
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg	<100				<100		<200				<500			3580.0	<100	<1000	1130.0		<100	<100
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg	<100				<100		<200				769.0			2890.0	<100	5300.0	252.0		<100	132.0
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg	<20				<20		<20				<20			<20	<20	<200	<200		<20	<200
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg	<100				<100		<20				<20			<20	<100	<1000	<100		<100	<100
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg	422.0				<100		<200				2030.0			11500.0	<100	<1000	<100		<100	<100
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg	2120.0				<100		<200				<500			<500	<100	<1000	<100		<100	<100
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg	92.5	<10	<10		<10		<10	<10	<10		<10	<10		39.1	<10	<100	<100	<10	<10	<100
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg	<9				<9		<9				<9			<9	<9	<90	<90		<9	<90
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg	1240.0				<9		<9				47.6			656.0	<9	<90	<90		<9	<90
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg	<14				<14		<14				<14			<14	<14	<140	<140		<14	<140
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg	<16				<16		<16				<16			<16	<16	<160	<160		<16	<160
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg	<14				<14		<14				<14			<14	<14	<140	<140		<14	<140
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg	214.0				<5		<5				<5			17.6	<5	<50	<50		<5	<50
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg	<10				<10		<10				<10			143.0	<10	<100	<100		<10	<100
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg	2690.0	<10	<10		<10		<10	13.0	<10		<10	<10		53.6	<10	<100	<100	<10	<10	<100
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																	<1000			
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																	<1000			
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																	<1000			
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																	<0.01			
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																	<1000			
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																	<1000			
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																	<0.01			
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																	<1000			
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP209	AEC18-LF-TP210	AEC18-LF-TP210	AEC18-LF-TP211	AEC18-LF-TP211	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP215
					Sample Top	4.20	0.80	3.00	0.50	3.00	0.50	2.00	4.00	1.50	2.50	3.50	1.50	2.50	3.50	0.50	1.50	2.50	0.80	3.10	4.10
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF
					Sample Ref	5	2	4	2	7	2	4	6	3	5	6	2	3	4	1	2	3	2	4	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																	<0.01			
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																	<0.01			
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																	<1000			
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																	<0.01			
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																	<1000			
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																	<1000			
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																	<1000			
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																	<1000			
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																	<0.01			
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																	<1000			
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																	<1000			
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																	<1000			
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																	<1000			
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																	<1000			
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																	<1000			
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																	<1000			
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																	<1000			
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																	<1000			
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																	<1000			
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																	<1000			
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																	<1000			
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																	<1000			
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																	<1000			
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																	<1000			
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																	<1000			
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																	<0.01			
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																	<1000			
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																	<1000			
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																	<1000			
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																	<1000			
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																	<1000			
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																	<1000			
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																	<1000			
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																	<1000			
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																	<0.01			
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																	<1000			
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																	<1000			
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																	<1000			
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP209	AEC18-LF-TP210	AEC18-LF-TP210	AEC18-LF-TP211	AEC18-LF-TP211	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP215
					Sample Top	4.20	0.80	3.00	0.50	3.00	0.50	2.00	4.00	1.50	2.50	3.50	1.50	2.50	3.50	0.50	1.50	2.50	0.80	3.10	4.10
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF
					Sample Ref	5	2	4	2	7	2	4	6	3	5	6	2	3	4	1	2	3	2	4	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																	<1000			
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																	<1000			
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																	<1000			
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																	<1000			
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																	<1000			
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																	<1000			
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																	<1000			
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																	<1000			
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																	<1000			
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																	<1000			
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																	<1000			
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																	<0.01			
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																	<1000			
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																	<1000			
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																	<0.01			
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																	<0.01			
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																	<0.01			
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																	<0.01			
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																	<0.01			
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																	<1000			
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg	335.0	791.0			<100		193.0	733.0	310.0		6400.0	4390.0		3590.0	<100	25900.0	1290.0	43.3	1050.0	68.2
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg	1360.0	4560.0			697.0		1600.0	2640.0	1280.0		18300.0	13000.0		9460.0	<100	57800.0	6550.0	248.0	4980.0	272.0
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg	360.0	1290.0			245.0		1220.0	544.0	187.0		3490.0	2760.0		1570.0	<100	11800.0	1880.0	123.0	886.0	55.3
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg	386.0	1700.0			335.0		1520.0	613.0	149.0		4350.0	3260.0		1820.0	<100	16900.0	2670.0	106.0	1290.0	60.0
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg	158.0	2650.0			297.0		1110.0	1210.0	404.0		5250.0	6150.0		3710.0	<100	20000.0	2620.0	208.0	1910.0	97.0
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg	1600.0	5230.0			748.0		1800.0	3350.0	1530.0		21300.0	15300.0		11900.0	<100	81400.0	7380.0	283.0	6330.0	342.0
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg	197.0	909.0			264.0		782.0	536.0	146.0		4720.0	2300.0		1410.0	<100	16500.0	1780.0	88.8	1380.0	37.4
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg	<100	62.4			<100		<200	33.4	16.8		<500	344.0		<500	<100	<1000	<100	17.4	<100	<100
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg	496.0	1870.0			348.0		1090.0	964.0	347.0		7180.0	4770.0		3080.0	<100	26500.0	2910.0	122.0	2120.0	84.6
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg	472.0	2080.0			348.0		1440.0	934.0	324.0		7010.0	4850.0		2740.0	<100	24200.0	3290.0	139.0	2040.0	96.1
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg	<100	246.0			<100		<200	143.0	43.5		958.0	681.0		<500	<100	2340.0	322.0	<23	185.0	<100
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg	282.0	1810.0			446.0		925.0	1060.0	422.0		8810.0	4860.0		3410.0	<100	31900.0	3610.0	144.0	2830.0	97.9
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg	397.0	210.0			<100		<200	924.0	333.0		3420.0	3850.0		7310.0	<100	9190.0	686.0	<8	381.0	52.5
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg	1530.0	2210.0			361.0		701.0	3420.0	1130.0		20800.0	14700.0		16400.0	<100	72000.0	4630.0	121.0	4800.0	145.0
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg	384.0	101.0			<100		<200	873.0	264.0		4180.0	3620.0		6050.0	<10	9820.0	672.0	<10	529.0	77.5
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg	397.0	44.5			<100		<13	160.0	63.5		1090.0	2040.0		7630.0	<100	<1000	<100	33.2	<100	<100
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg					<0.5													<0.5		<0.5
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	0.0	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.1	0.0	<0.015	0.0	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	0.0	<0.01	0.1	<0.01	<0.01	0.4	<0.01	<0.01	<0.01
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected				Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Detected	Not Detected			Detected	Not Detected	Not Detected	Not Detected				Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected				Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Detected	Not Detected			Detected	Not Detected	Not Detected	Not Detected				Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected				Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected				Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																	<0.02			
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																	<0.02			
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																	<0.02			
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<10		<10		<10		<10	<10			<10			<10	<10	<100	<100	<10	<10	<100
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																	<0.00044			
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																	<0.01			
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																	0.0			
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																	<1000			

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP209	AEC18-LF-TP210	AEC18-LF-TP210	AEC18-LF-TP211	AEC18-LF-TP211	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP215
					Sample Top	4.20	0.80	3.00	0.50	3.00	0.50	2.00	4.00	1.50	2.50	3.50	1.50	2.50	3.50	0.50	1.50	2.50	0.80	3.10	4.10
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF
					Sample Ref	5	2	4	2	7	2	4	6	3	5	6	2	3	4	1	2	3	2	4	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
																						3.6			
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																	0.7			
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																	1.5			
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																	1.3			
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																	<0.011			
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																	<0.01			
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																	0.2			
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																	0.7			
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																	0.1			
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																	<0.0014			
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																	0.1			
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																	<0.00076			
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																	0.0			
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																	<1000			
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																	0.3			
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																	0.0			
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																	0.0			
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																	0.0			
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																	0.0			
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																	<0.013			
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																	0.0			
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																	0.0			
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																	0.0			
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																	<0.01			
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																	0.1			
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																	0.1			
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																	0.1			
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																	<0.07			
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																	0.0			
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																	<0.01			
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																	<1000			
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																	<0.0032			
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																	0.1			
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																	<0.01			
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																	<0.05			
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg	3530.0		<40		<40			<40			<40			137.0	<40	<400	<400	<40	<40	<400
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg	<10		<10		<10			<10			<10			16.7	<10	<10	<10	<10	<10	<10
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<10		<10		<10			<10			<10			<10	<10	<10	<10	<10	<10	<10
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg	4150.0		77.4		34.8			714.0			209.0			1540.0	<10	114.0	511.0	<10	86.1	565.0
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg	2860.0		58.1		23.2			785.0			407.0			3220.0	<10	143.0	343.0	<10	61.5	545.0
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg	241000.0		<100		5560.0			17000.0			8360.0			66700.0	<100	28900.0	9530.0	<100	1640.0	4910.0
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg	502000.0		1080.0		73000.0			67000.0			60300.0			126000.0	534.0	202000.0	61200.0	5130.0	6920.0	29000.0
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg	2060000.0		8930.0		531000.0			140000.0			214000.0			429000.0	7370.0	440000.0	217000.0	40600.0	23300.0	154000.0
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg	279000.0		3740.0		106000.0			26100.0			105000.0			163000.0	5770.0	162000.0	82100.0	14900.0	10400.0	35200.0
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg	139.0		12.9		12.9			31.8			18.9			36.9	<10	34.8	56.0	<10	<10	12.0
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg	1530.0		34.8		36.1			180.0			84.4			212.0	<10	74.4	312.0	<10	92.3	155.0
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg	3200.0		110.0		36.1			1070.0			292.0			2300.0	<10	140.0	664.0	<10	128.0	456.0
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg	4300.0		86.4		34.8			1180.0			611.0			4830.0	<10	214.0	515.0	<10	92.3	817.0
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg	279000.0		<100		22200.0			6860.0			214.0			28800.0	<100	6880.0	8200.0	<100	2770.0	12000.0
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg	1180000.0		<100		290000.0			12600.0			24900.0			62800.0	<100	40100.0	55800.0	2860.0	7470.0	64900.0
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg	5700000.0		3700.0		1320000.0			116000.0			258000.0			819000.0	6080.0	211000.0	257000.0	55900.0	23200.0	439000.0
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg	543000.0		<100		212000.0			18800.0			113000.0			228000.0	<100	71300.0	60200.0	6170.0	6040.0	58700.0
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg					<0.3													<0.3		<0.3
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg					43.0													<20		<20
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg					6.6													5.2		<5
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg					<0.1													<0.1		<0.1
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg					0.9													<0.6		<0.6
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg					9.6													6.9		2.2
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg					30.2													14.7		20.7
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg					0.2													0.1		0.2
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg					61.5													21.4		27.2
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg					55.7													41.7		39.6
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg					517.0													314.0		480.0
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg					69.1													<2		16.7
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg					0.4													0.1		0.3
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP209	AEC18-LF-TP210	AEC18-LF-TP210	AEC18-LF-TP211	AEC18-LF-TP211	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP212	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP213A	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP214	AEC18-LF-TP215	AEC18-LF-TP215	AEC18-LF-TP215
					Sample Top	4.20	0.80	3.00	0.50	3.00	0.50	2.00	4.00	1.50	2.50	3.50	1.50	2.50	3.50	0.50	1.50	2.50	0.80	3.10	4.10
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF
					Sample Ref	5	2	4	2	7	2	4	6	3	5	6	2	3	4	1	2	3	2	4	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100				<100		<200				<500			<500	<100	<1000	<100		<100	<100
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<10				<10		<10				<10			<10	<10	<100	<100		<10	<100
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP217	AEC18-LF-TP217	AEC18-LF-TP218	AEC18-LF-TP218	AEC18-LF-TP219	AEC18-LF-TP219	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP222	AEC18-LF-TP222	AEC18-LF-TP223	AEC18-LF-TP223	AEC18-LF-TP223
					Sample Top	1.80	2.80	4.50	1.50	2.50	0.50	3.50	1.50	4.50	0.50	2.50	4.50	0.20	1.20	3.50	1.00	2.00	0.50	3.50	4.50
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	5	6	8	2	3	1	4	2	6	1	3	5	1	3	5	2	3	1	4	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																			
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																			
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																			
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																			
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																			
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																			
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																			
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																			
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																			
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																			
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																			
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																			
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																			
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																			
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1	10.4	<1	<1	<1	<1	<1	<1	1.0	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<0.5	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																			
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	72.9	280.0	45.4	49.6	84.9	21.7	59.7	42.8	291.0	87.8	160.0	34.2	<0.002	243.0	65.9	94.8	108.0	57.6	0.0	18.7
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.14	6.6	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<1.4	<0.14	<0.0001	<0.14	<0.14	<0.14	<0.14	<0.14	<0.0001	<0.14
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	82.1	2350.0	71.8	23.3	23.7	25.7	20.9	19.1	46.5	26.5	157.0	29.4	0.0	39.6	14.3	28.7	25.8	22.6	0.1	12.7
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	<0.6	11.8	<0.6	<0.6	0.8	<0.6	<0.6	<0.6	3.6	<0.6	6.6	<0.6	<0.01	2.6	<0.6	1.1	3.4	<0.6	0.1	<0.6
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	17.3	16.6	18.4	14.8	14.9	17.6	15.1	10.6	11.2	15.5	19.5	13.6	<0.005	22.2	8.7	11.7	10.4	14.1	0.1	9.5
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.9	0.2	1.0	0.8	1.1	0.7	1.4	0.8	1.4	1.2	0.2	1.2	<0.001	1.2	0.8	2.0	0.7	2.0	<0.001	0.2
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	3.8	2.6	4.0	<1	<1	<1	2.4	1.3	2.5	<1	2.3	1.5	<0.1	1.6	1.7	<1	2.8	1.3	1.9	1.4
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.02	1.9	<0.02	0.6	0.5	<0.02	0.1	0.3	3.4	0.5	<0.2	0.5	<0.0008	0.5	0.2	0.5	1.2	0.1	<0.0008	0.1
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	38.1	649.0	31.3	21.8	21.7	17.5	37.6	13.4	21.3	14.3	438.0	15.9	0.1	21.0	59.8	10.4	113.0	27.9	0.1	9.8
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	27.1	166.0	21.6	47.8	44.1	14.3	46.1	27.5	791.0	61.4	426.0	17.7	0.0	130.0	18.8	60.8	64.0	49.6	0.0	59.5
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	59.2	42.0	45.8	37.1	39.6	48.9	39.3	36.9	32.1	38.0	32.5	44.9	<0.01	43.2	29.1	32.1	22.0	49.1	0.0	12.8
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	117.0	986.0	123.0	114.0	94.1	72.3	127.0	120.0	909.0	160.0	687.0	73.1	<0.01	308.0	73.3	104.0	176.0	97.7	0.0	47.9
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<0.01	<1	<1	<1	<1	<1	<0.01	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																				
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																				
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																				
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																				
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.7	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.1
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	8.1	7.6	8.0	8.0	8.1	8.2	8.1	9.8	8.0	8.0	7.7	8.2	8.1	8.4	7.9	8.4	8.1	8.1	7.9	8.1
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP217	AEC18-LF-TP217	AEC18-LF-TP218	AEC18-LF-TP218	AEC18-LF-TP219	AEC18-LF-TP219	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP222	AEC18-LF-TP222	AEC18-LF-TP223	AEC18-LF-TP223	AEC18-LF-TP223
					Sample Top	1.80	2.80	4.50	1.50	2.50	0.50	3.50	1.50	4.50	0.50	2.50	4.50	0.20	1.20	3.50	1.00	2.00	0.50	3.50	4.50
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	5	6	8	2	3	1	4	2	6	1	3	5	1	3	5	2	3	1	4	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																			
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																			
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.0	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.05	<0.05
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																			
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																			
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																			
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																			
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																			
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																			
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																			
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01		<0.01			
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																			
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																			
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																			
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																			
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																			
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																			
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																			
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																			
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																			
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																			
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																			
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																			
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																			
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																			
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg															<0.01		<0.01			
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																			

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP217	AEC18-LF-TP217	AEC18-LF-TP218	AEC18-LF-TP218	AEC18-LF-TP219	AEC18-LF-TP219	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP222	AEC18-LF-TP222	AEC18-LF-TP223	AEC18-LF-TP223	AEC18-LF-TP223
					Sample Top	1.80	2.80	4.50	1.50	2.50	0.50	3.50	1.50	4.50	0.50	2.50	4.50	0.20	1.20	3.50	1.00	2.00	0.50	3.50	4.50
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	5	6	8	2	3	1	4	2	6	1	3	5	1	3	5	2	3	1	4	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg		<6						<0.6			<0.6		<0.3		<0.6		<0.6		<0.3	
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg		<1											<0.5						<0.5	
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg		<1											<0.5						<0.5	
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg	<4	4.9	<4	<80	<4		<4	8.9		<4	<40	<4		<4	<4	<4	2550.0		<40	225.0
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg		<11					<11	<11			<110	<11			<11	<11			<110	<110
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg		<100					<100	<100			<50	<100			<5	<5			<50	117.0
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg		<5					<5	<5			<50	<5			<5	<5			<50	<50
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg		26.4					<8	<8			418.0	41.7			<8	<8			<80	176.0
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg	<7	<7	<7	<140	<7		<7	<7		<7	<70	<7		<7	<7	<7	<140		<70	<70
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg		<5					<5	<5			<50	<5			<5	<5			<50	<50
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg		148.0					<100	114.0			<5000	<100			142.0	<500			<500	262.0
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg		9740.0					161.0	<100			15300.0	1270.0			<100	<500			710.0	2090.0
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg		114.0					<100	<100			<5000	<100			<100	<500			<500	<100
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500	<2000		<500	<100
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg		<100					<100	<100			<200	<100			<100	<20			<200	<100
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg		<5					<5	<5			<50	<5			<5	<5			<50	<50
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg		137.0					124.0	<100			<5000	1330.0			<100	<500			10800.0	185.0
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<7					<7	<7			<70	<7			<7	<7			<70	<70
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg		<6					<6	<6			<60	<6			<6	<6			<60	<60
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg		<8					<8	<8			<80	<8			<8	<8			<80	<80
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg	<9	<9	<9	<180	<9		<9	<9		<9	<90	<9		<9	<9	<9	<180		<90	<90

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP217	AEC18-LF-TP217	AEC18-LF-TP218	AEC18-LF-TP218	AEC18-LF-TP219	AEC18-LF-TP219	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP222	AEC18-LF-TP222	AEC18-LF-TP223	AEC18-LF-TP223	AEC18-LF-TP223
					Sample Top	1.80	2.80	4.50	1.50	2.50	0.50	3.50	1.50	4.50	0.50	2.50	4.50	0.20	1.20	3.50	1.00	2.00	0.50	3.50	4.50
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	5	6	8	2	3	1	4	2	6	1	3	5	1	3	5	2	3	1	4	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg		<7					<7	<7			<70	<7			<7	<7			<70	<70
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg													0.1						0.5	
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg		<7					<7	<7			<70	<7			<7	<7			<70	<70
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg		<9					<9	<9			<90	<9			<9	<9			<90	<90
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg		<6					<6	<6			<60	<6			<6	<6			<60	<60
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg		<10					21.9	<10			<100	35.0			<10	<10			<100	<100
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg		15.0					11.0	8.3			<70	22.9			<7	<7			<70	<70
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg		<7					<7	<7			<70	<7			<7	<7			<70	<70
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg		<8					<8	<8			<80	<8			<8	<8			<80	<80
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg		<6					<6	<6			<60	<6			<6	<6			<60	<60
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg		<6					<6	<6			<60	<6			<6	<6			<60	<60
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg		<9					<9	<9			<90	<9			<9	<9			<90	<90
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg		228.0					<100	<100			94300.0	<100			<100	<500			<500	1550.0
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg		661.0					<100	<100			71100.0	<100			<100	<500			<500	600.0
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg		<100					124.0	<100			<5000	507.0			<100	<500			<500	<100
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg		<20					<20	<20			<200	<20			<20	<20			<200	<200
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg		<100					<100	<100			<200	<100			<100	<20			<200	<100
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg		<100					<100	<100			213000.0	637.0			<100	<500			1410.0	404.0
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg		<100					<100	<100			15600.0	<100			<100	<500			<500	<100
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg	<10	<10	<10	<200	<10		<10	<10		<10	<100	<10		<10	<10	<10	473.0		<100	<100
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg		<9					<9	<9			<90	<9			<9	<9			<90	<90
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg		57.4					<9	<9			2030.0	174.0			<9	<9			147.0	500.0
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg		<14					<14	<14			<140	<14			<14	<14			<140	<140
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg		<16					<16	<16			<160	<16			<16	<16			<160	<160
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg		<14					<14	<14			<140	<14			<14	<14			<140	<140
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg		<5					<5	<5			<50	<5			<5	<5			<50	<50
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg	<10	45.1	14.0	<200	<10		<10	<10		<10	211.0	27.6		<10	<10	<10	3560.0		195.0	2310.0
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg															<0.01		<0.01			
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg															<0.01		<0.01			
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP217	AEC18-LF-TP217	AEC18-LF-TP218	AEC18-LF-TP218	AEC18-LF-TP219	AEC18-LF-TP219	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP222	AEC18-LF-TP222	AEC18-LF-TP223	AEC18-LF-TP223	AEC18-LF-TP223
					Sample Top	1.80	2.80	4.50	1.50	2.50	0.50	3.50	1.50	4.50	0.50	2.50	4.50	0.20	1.20	3.50	1.00	2.00	0.50	3.50	4.50
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	5	6	8	2	3	1	4	2	6	1	3	5	1	3	5	2	3	1	4	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg															<0.01		<0.01			
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg															<0.01		<0.01			
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg															<200		<2000			
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg															<0.01		<0.01			
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg															<0.01		<0.01			
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg															<0.01		<0.01			
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg															<0.01		<0.01			
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP217	AEC18-LF-TP217	AEC18-LF-TP218	AEC18-LF-TP218	AEC18-LF-TP219	AEC18-LF-TP219	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP222	AEC18-LF-TP222	AEC18-LF-TP223	AEC18-LF-TP223	AEC18-LF-TP223
					Sample Top	1.80	2.80	4.50	1.50	2.50	0.50	3.50	1.50	4.50	0.50	2.50	4.50	0.20	1.20	3.50	1.00	2.00	0.50	3.50	4.50
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	5	6	8	2	3	1	4	2	6	1	3	5	1	3	5	2	3	1	4	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg															<0.01		<0.01			
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg															<0.01		<0.01			
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg															<0.01		<0.01			
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg															<0.01		<0.01			
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg															<0.01		<0.01			
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg															<0.01		<0.01			
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg															<50		<2000			
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg	73.8	251.0	97.2	59.8	49.4		459.0	148.0		1170.0	<5000	1790.0		326.0	<100	<500	519.0		574.0	162.0
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg	430.0	1920.0	392.0	391.0	215.0		2180.0	992.0		6420.0	<5000	5230.0		1760.0	119.0	1030.0	2660.0		2500.0	456.0
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg	142.0	581.0	90.2	229.0	70.0		806.0	353.0		2260.0	<5000	885.0		677.0	<100	<500	1260.0		471.0	90.9
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg	111.0	661.0	69.8	171.0	64.8		843.0	342.0		2200.0	<5000	1230.0		643.0	<100	<500	1210.0		460.0	58.3
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg	275.0	650.0	190.0	322.0	136.0		831.0	524.0		3640.0	<5000	1840.0		730.0	67.8	<500	624.0		943.0	146.0
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg	530.0	1710.0	464.0	434.0	253.0		2260.0	1030.0		7180.0	<5000	5940.0		1990.0	126.0	1120.0	2830.0		3360.0	524.0
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg	111.0	524.0	81.6	152.0	48.1		880.0	342.0		1170.0	<5000	1040.0		430.0	29.2	<500	935.0		326.0	60.8
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg	<12	<100	<12	28.9	14.9		<100	<100		280.0	<5000	212.0		101.0	<100	<500	112.0		<12	<100
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg	198.0	695.0	144.0	212.0	95.3		880.0	433.0		2670.0	<5000	1850.0		757.0	52.5	527.0	956.0		622.0	153.0
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg	196.0	730.0	119.0	347.0	91.1		1190.0	524.0		3550.0	<5000	1950.0		960.0	65.8	559.0	1620.0		723.0	108.0
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg	29.9	114.0	<23	56.3	<23		136.0	<100		575.0	<5000	177.0		140.0	<100	<500	240.0		99.9	<100
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg	197.0	798.0	134.0	281.0	93.9		1000.0	536.0		3380.0	<5000	2560.0		982.0	56.9	548.0	1060.0		901.0	152.0
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg	105.0	355.0	126.0	15.6	63.9		285.0	137.0		239.0	<5000	1860.0		30.7	<100	<500	317.0		296.0	196.0
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg	241.0	1010.0	307.0	241.0	204.0		1950.0	319.0		3290.0	<5000	7470.0		1080.0	57.5	<500	1690.0		2690.0	729.0
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg	104.0	296.0	112.0	27.7	71.8		335.0	<100		256.0	<5000	2140.0		75.2	<100	<500	358.0		348.0	209.0
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg	13.1	<13	28.4	170.0	153.0		<100	<100		86.4	381.0	61.8		18.9	<100	<13	186.0		<500	<130
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg		<1											<0.5						<0.5	
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.6	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.075	<0.075
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.0	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.05	0.1
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected		Detected	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg															<0.02		<0.02			
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg															<0.02		<0.02			
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg															<0.02		<0.02			
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<10	<10	<10				<10	<10			<100	<10			<10	<10	<200		<100	<100
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g															<0.00088		<0.00043			
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01		<0.01			
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g															<0.0017		0.0			
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg															<50		<2000			

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP217	AEC18-LF-TP217	AEC18-LF-TP218	AEC18-LF-TP218	AEC18-LF-TP219	AEC18-LF-TP219	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP222	AEC18-LF-TP222	AEC18-LF-TP223	AEC18-LF-TP223	AEC18-LF-TP223
					Sample Top	1.80	2.80	4.50	1.50	2.50	0.50	3.50	1.50	4.50	0.50	2.50	4.50	0.20	1.20	3.50	1.00	2.00	0.50	3.50	4.50
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	5	6	8	2	3	1	4	2	6	1	3	5	1	3	5	2	3	1	4	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
																				<0.21		6.4			
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g															<0.08		1.2			
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g															<0.083		3.4			
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g															<0.076		2.2			
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g															<0.044		<0.029			
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg															<0.01		<0.01			
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g															<0.0061		0.3			
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g															<0.038		1.0			
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g															<0.019		0.3			
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g															<0.0017		<0.0027			
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g															<0.064		0.1			
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g															<0.0019		<0.00061			
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g															<0.00063		<0.0024			
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg															<50		<2000			
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g															<0.024		0.5			
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g															<0.0073		0.0			
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g															<0.0011		<0.0029			
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g															<0.0011		<0.0029			
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g															<0.0016		0.0			
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g															<0.0078		<0.014			
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g															<0.0017		0.0			
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g															<0.0016		0.0			
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01		<0.01			
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g															<0.0016		0.1			
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g															<0.015		0.2			
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g															<0.002		0.2			
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g															<0.0023		<0.0031			
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g															<0.0016		0.0			
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01		<0.01			
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg															<50		<2000			
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g															<0.0016		<0.005			
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g															<0.0012		0.1			
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.01		<0.01			
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg															<0.05		<0.05			
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg	<40	50.0	<40				<40	<40			<400	<40			<40	<40	6590.0		<400	2530.0
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg	<10	<10	<10				<10	<10			<10	<10			<10	<10	14.3		<10	<10
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<10	<10	<10				<10	<10			<10	<10			<10	<10	<10		<10	29.5
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg	67.3	366.0	306.0				181.0	75.2			4180.0	964.0			80.2	23.2	2610.0		1720.0	2260.0
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg	41.3	174.0	256.0				160.0	60.4			3500.0	1150.0			70.8	20.0	419.0		657.0	430.0
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100	45700.0	14200.0				8440.0	1610.0			233000.0	41600.0			4300.0	5580.0	13500.0		22100.0	24800.0
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg	4590.0	328000.0	89700.0				60200.0	18400.0			332000.0	180000.0			29100.0	55500.0	196000.0		105000.0	89700.0
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg	26800.0	1850000.0	311000.0				197000.0	65500.0			1040000.0	325000.0			843000.0	378000.0	1350000.0		343000.0	524000.0
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg	2370.0	335000.0	54900.0				142000.0	22400.0			210000.0	59900.0			605000.0	192000.0	398000.0		117000.0	133000.0
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<10	13.7	12.5				19.8	<10			11.6	15.3			<10	<10	71.4		29.8	44.7
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg	29.5	154.0	98.8				74.4	27.4			266.0	241.0			31.9	13.7	2270.0		751.0	406.0
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg	59.0	433.0	421.0				272.0	82.1			3990.0	1260.0			120.0	33.7	1790.0		1720.0	1070.0
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg	61.4	261.0	384.0				239.0	90.1			5240.0	1730.0			106.0	29.5	628.0		987.0	645.0
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg	484.0	193000.0	25900.0				3290.0	<100			219000.0	11700.0			4720.0	8380.0	37700.0		15800.0	85100.0
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg	9290.0	1370000.0	157000.0				13600.0	9850.0			253000.0	58100.0			34100.0	39900.0	335000.0		73000.0	262000.0
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg	74300.0	6770000.0	735000.0				113000.0	37900.0			2630000.0	360000.0			959000.0	251000.0	3220000.0		546000.0	2010000.0
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg	18400.0	946000.0	91400.0				59200.0	7720.0			83600.0	23000.0			583000.0	131000.0	665000.0		185000.0	391000.0
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg													<0.3						<0.3	
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg													<20						253.0	
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg													10.3						<5	
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg													<0.1						<0.1	
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg													<0.6						0.7	
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg													8.4						1.9	
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg													2.0						30.4	
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg													<0.03						0.4	
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg													<2						187.0	
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg													11.1						206.0	
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg													239.0						306.0	
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg													<2						195.0	
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg													<0.03						0.3	
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg		148.0					<100	<100			<5000	<100			<100	<500			1220.0	<100
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP216	AEC18-LF-TP217	AEC18-LF-TP217	AEC18-LF-TP218	AEC18-LF-TP218	AEC18-LF-TP219	AEC18-LF-TP219	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP220	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP221	AEC18-LF-TP222	AEC18-LF-TP222	AEC18-LF-TP223	AEC18-LF-TP223	AEC18-LF-TP223
					Sample Top	1.80	2.80	4.50	1.50	2.50	0.50	3.50	1.50	4.50	0.50	2.50	4.50	0.20	1.20	3.50	1.00	2.00	0.50	3.50	4.50
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	5	6	8	2	3	1	4	2	6	1	3	5	1	3	5	2	3	1	4	5
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<100					<100	<100			<5000	<100			<100	<500			<500	<100
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10					<10	<10			<100	<10			<10	<10			<100	<100
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP226	AEC18-LF-TP226	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP232	AEC18-LF-TP232
					Sample Top	0.50	1.50	3.50	4.50	0.20	1.50	4.50	1.50	3.50	0.20	2.50	4.50	1.50	2.50	3.50	0.20	3.50	4.50	1.50	2.30
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	1	2	4	5	1	2	5	3	5	1	4	6	3	4	5	1	4	5	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																				
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																				
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																				
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																				
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																				
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																				
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																				
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1	<1	2.1	<1	<1	2.1	4.3	<0.5	<1	<1	<1	<1	<1	<0.5	1.2	<1	<1	2.0	<1	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																				
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	76.4	41.6	53.7	97.3	33.4	129.0	238.0	0.0	160.0	55.2	27.5	124.0	84.6	0.0	308.0	43.7	554.0	197.0	46.7	97.7
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.14	<0.14	<0.14	<0.14	<0.14	0.8	0.5	<0.0001	<0.14	<0.14	<0.14	<0.14	<0.14	<0.0001	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	22.0	12.1	38.8	24.5	28.7	12.9	56.7	0.0	38.3	16.2	21.2	36.9	20.2	0.0	32.7	48.1	34.5	29.8	36.5	21.5
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	<0.6	<0.6	<0.6	3.2	<0.6	3.4	2.0	0.0	<0.6	<0.6	<0.6	<0.6	<0.6	0.0	2.8	<0.6	33.0	4.4	<0.6	<0.6
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	18.6	7.3	15.5	14.5	28.9	7.6	22.0	0.0	16.2	11.9	16.3	18.1	16.4	0.0	14.0	40.3	17.2	12.8	14.3	14.2
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	0.6	0.5	0.5	0.6	1.0	0.4	1.4	<0.001	1.2	0.7	1.0	1.1	0.8	0.0	0.6	0.1	1.4	0.9	0.9	1.1
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	<1	1.1	2.7	1.9	1.3	1.7	3.3	<1	3.1	<1	1.5	3.1	<1	0.5	2.2	<1	2.1	1.9	1.4	1.8
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.02	0.2	0.5	0.4	0.1	1.5	18.0	<0.0008	0.8	0.3	<0.02	0.2	0.1	<0.0008	0.3	<0.02	12.6	2.8	2.2	0.4
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	9.7	9.4	49.7	15.2	15.0	26.2	55.2	0.1	28.0	18.7	27.7	22.2	17.0	0.1	78.4	<0.9	56.4	30.9	25.6	16.5
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	21.0	41.7	65.8	39.7	20.8	127.0	234.0	0.0	63.9	26.8	18.6	83.2	30.6	0.0	95.2	30.3	177.0	159.0	21.2	48.8
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	64.5	19.5	24.3	32.6	40.5	9.5	22.2	0.0	51.5	36.0	53.2	44.1	30.5	0.1	31.9	34.8	44.1	34.7	44.8	31.3
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	91.4	68.8	246.0	299.0	80.8	456.0	74.4	0.0	229.0	118.0	54.2	149.0	97.9	0.1	245.0	150.0	476.0	261.0	72.3	148.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1	<0.01	<1	<1	4.0	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																				
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																				
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																				
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																				
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.1	<0.035	<0.035	<0.035	<0.035	0.1	<0.035	<0.035	<0.035	0.2	<0.035	0.1
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	8.4	8.1	8.0	7.7	8.5	8.5	8.3	8.1	8.1	7.9	8.1	8.1	8.3	6.7	8.0	8.3	8.0	7.3	8.3	7.9
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

Appendix G

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP226	AEC18-LF-TP226	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP232	AEC18-LF-TP232
					Sample Top	0.50	1.50	3.50	4.50	0.20	1.50	4.50	1.50	3.50	0.20	2.50	4.50	1.50	2.50	3.50	0.20	3.50	4.50	1.50	2.30
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	1	2	4	5	1	2	5	3	5	1	4	6	3	4	5	1	4	5	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																			
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																			
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																			
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																			
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																			
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																			
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																			
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																			
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																			
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg												<0.01					<0.01			
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																			
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																			
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																			
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																			
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																			
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																			
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																			
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																			
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																			
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																			
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																			
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																			
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																			
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																			
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg												<0.01					<0.01			
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																			

Appendix G

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP226	AEC18-LF-TP226	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP232	AEC18-LF-TP232
					Sample Top	0.50	1.50	3.50	4.50	0.20	1.50	4.50	1.50	3.50	0.20	2.50	4.50	1.50	2.50	3.50	0.20	3.50	4.50	1.50	2.30
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	1	2	4	5	1	2	5	3	5	1	4	6	3	4	5	1	4	5	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg								<0.3	<0.6					<0.3			<0.6			
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg								<0.5						<0.5						
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg								<0.5						<0.5						
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg																				
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg		<4	29.3	<80			1760.0	10.3	<80		<80	861.0	94.5	137.0	164.0		471.0	389.0	<4	6.7
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg			18.9	<200			<200	<10	<200			<200		<10			<200	125.0	<10	<10
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg			22.1	<220			<220	<11	<220			<220		<11			<220	144.0	<11	<11
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		148.0			<100	<100	<200	<500
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg			<100	271.0			<500	<100	<100			<100		<100			<100	<100	<200	<500
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg			<5	<100			<100	<5	<100			<100		<5			<100	<5	<5	<5
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg			113.0	311.0			433.0	71.4	321.0			267.0		43.0			387.0	744.0	<8	<8
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg		<7	<7	<140			<140	<7	<140		<140	<140	<7	<7	<7		<140	<7	<7	<7
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg			8.6	506.0			<100	<5	<100			<100		<5			<100	<5	<5	<5
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg			153.0	155.0			<500	151.0	188.0			157.0		114.0			<100	<100	<200	<500
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg			354.0	1600.0			2460.0	696.0	1230.0			436.0		2020.0			3000.0	135000.0	<200	<500
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			627.0	229.0	<200	<500
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg			<100	<100			<400	<100	<100			<100		<100			<100	<100	<20	<20
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg			<5	<100			<100	<5	<100			<100		<5			<100	<5	<5	<5
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg			590.0	<100			<500	464.0	<100			<100		<100			154.0	267.0	<200	12400.0
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg			14.9	<200			<200	<10	<200			<200		<10			<200	75.4	<10	<10
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg			<7	<140			<140	<7	<140			<140		<7			<140	<7	<7	<7
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg			<6	<120			<120	<6	<120			<120		<6			<120	<6	<6	<6
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg			<100	<100			<160	<100	<100			<100		<100			<100	<100	<200	<500
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg			<100	<100			<500	<100	6240.0			<100		<100			<100	<100	<200	<500
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg			<8	<160			<160	<8	<160			<160		<8			<160	<8	<8	<8
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg		<9	<9	<180			<180	<9	<180		<180	<180	<9	<9	<9		<180	22.6	<9	<9

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP226	AEC18-LF-TP226	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP232	AEC18-LF-TP232
					Sample Top	0.50	1.50	3.50	4.50	0.20	1.50	4.50	1.50	3.50	0.20	2.50	4.50	1.50	2.50	3.50	0.20	3.50	4.50	1.50	2.30
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	1	2	4	5	1	2	5	3	5	1	4	6	3	4	5	1	4	5	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg			<7	<140			<140	<7	<140			<140		<7			<140	<7	<7	<7
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg								1.2						0.4						
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg			<7	<140			<140	<7	<140			<140		<7			<140	<7	<7	<7
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg			<9	<180			<180	<9	<180			<180		<9			<180	<9	<9	<9
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg			<6	<120			<120	<6	<120			<120		<6			<120	<6	<6	<6
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg			20.2	<200			<200	21.2	<200			<200		20.5			<200	<10	<10	<10
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg			17.1	<140			<140	<7	204.0			<140		<7			<140	34.8	<7	11.3
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg			<7	<140			<140	<7	<140			<140		<7			<140	<7	<7	<7
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg			<8	<160			<160	<8	<160			<160		<8			<160	<8	<8	<8
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg			<6	<120			<120	<6	<120			<120		<6			<120	<6	<6	<6
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg			<6	<120			<120	<6	<120			<120		<6			<120	<6	<6	<6
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg			<9	<180			<180	<9	<180			<180		<9			<180	<9	<9	<9
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg			260.0	<100			691.0	3490.0	<100			<100		308.0			371.0	267.0	<200	<500
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg			<100	3610.0			<500	26800.0	1040.0			<100		114.0			35400.0	5440.0	<200	<500
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg			920.0	<100			<500	139.0	<100			<100		<100			<100	165.0	<200	3810.0
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg			<20	<400			<400	<20	<400			<400		<20			<400	<20	<20	<20
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg			<100	<100			<400	<100	<100			<100		<100			<100	<100	<20	<20
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg			413.0	<100			<500	<100	<100			<100		684.0			166.0	305.0	<200	9250.0
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg		<10	75.2	<200			<200	<10	<200		<200	403.0	12.9	24.1	37.6		<200	78.2	<10	<10
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg			<9	<180			<180	<9	<180			<180		<9			<180	<9	<9	<9
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg			<10	<100			<200	<10	<100			<100		<10			<100	<10	<10	<10
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg			468.0	1080.0			963.0	265.0	2250.0			879.0		141.0			1070.0	2340.0	<9	25.9
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg			<14	<280			<280	<14	<280			<280		<14			<280	<14	<14	<14
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg			<16	<320			<320	<16	<320			<320		<16			<320	<16	<16	<16
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg			<14	<280			<280	<14	<280			<280		<14			<280	<14	<14	<14
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg			13.1	<100			<100	<5	<100			<100		<5			<100	74.2	<5	<5
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg			74.2	<200			<200	<10	<200			<200		<10			<200	135.0	<10	22.7
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg		12.8	747.0	972.0			1980.0	104.0	499.0		<200	1940.0	262.0	354.0	463.0		4200.0	2350.0	<10	19.2
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg												<0.01					<0.01			
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg												<0.01					<0.01			
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP226	AEC18-LF-TP226	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP232	AEC18-LF-TP232
					Sample Top	0.50	1.50	3.50	4.50	0.20	1.50	4.50	1.50	3.50	0.20	2.50	4.50	1.50	2.50	3.50	0.20	3.50	4.50	1.50	2.30
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	1	2	4	5	1	2	5	3	5	1	4	6	3	4	5	1	4	5	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg												<0.01					<0.01			
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg												<0.01					<0.01			
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg												<0.01					<0.01			
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg												<0.01					<0.01			
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg												<0.01					<0.01			
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg												<0.01					<0.01			
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP226	AEC18-LF-TP226	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP232	AEC18-LF-TP232
					Sample Top	0.50	1.50	3.50	4.50	0.20	1.50	4.50	1.50	3.50	0.20	2.50	4.50	1.50	2.50	3.50	0.20	3.50	4.50	1.50	2.30
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	1	2	4	5	1	2	5	3	5	1	4	6	3	4	5	1	4	5	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg												<0.01					<0.01			
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg												<0.01					<0.01			
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg												<0.01					<0.01			
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg												<0.01					<0.01			
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg												<0.01					<0.01			
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg												<0.01					<0.01			
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg												<50					<50			
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg		161.0	553.0	142.0			<500	960.0	344.0		86.9	<100	<80	126.0	90.1		256.0	368.0	<16	10600.0
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg		1300.0	1630.0	1140.0			819.0	4250.0	2430.0		410.0	351.0	618.0	650.0	755.0		1980.0	2010.0	129.0	31500.0
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg		382.0	278.0	569.0			800.0	2500.0	621.0		106.0	133.0	238.0	206.0	415.0		269.0	508.0	71.9	6840.0
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg		388.0	249.0	645.0			697.0	3410.0	688.0		92.4	133.0	197.0	182.0	559.0		226.0	546.0	79.2	7860.0
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg		818.0	496.0	529.0			<500	3340.0	875.0		234.0	<100	317.0	239.0	624.0		650.0	800.0	139.0	8840.0
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg		1420.0	1910.0	1030.0			998.0	4340.0	2360.0		454.0	327.0	645.0	604.0	796.0		2500.0	2350.0	142.0	40800.0
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg		330.0	224.0	378.0			<500	1640.0	413.0		76.3	145.0	157.0	136.0	224.0		242.0	787.0	54.3	6670.0
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg		39.2	54.7	<100			<500	267.0	<100		19.2	<100	<60	<100	48.7		<100	<100	<12	1590.0
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg		526.0	482.0	219.0			<500	2310.0	902.0		145.0	157.0	260.0	205.0	339.0		653.0	851.0	83.2	11700.0
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg		701.0	504.0	689.0			<500	3890.0	938.0		164.0	169.0	329.0	244.0	530.0		381.0	940.0	107.0	12100.0
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg		102.0	75.1	<100			<500	554.0	<100		26.4	<100	<115	<100	74.5		<100	<100	<23	2030.0
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg		684.0	590.0	604.0			640.0	2520.0	950.0		181.0	157.0	265.0	228.0	269.0		505.0	1090.0	94.2	14300.0
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg		59.9	288.0	155.0			<500	963.0	210.0		56.3	<100	<40	<100	111.0		256.0	318.0	11.3	4360.0
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg		609.0	2210.0	581.0			653.0	1050.0	1490.0		324.0	290.0	208.0	445.0	516.0		1190.0	1790.0	67.0	41700.0
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg		58.1	463.0	129.0			<500	684.0	200.0		50.7	<100	<50	<100	172.0		230.0	445.0	13.2	9240.0
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg		15.7	234.0	490.0			<260	19.3	<100		141.0	<100	<45	37.4	68.9		243.0	330.0	<200	1880.0
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg								<0.5						<0.5						
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.1	0.0	<0.015	0.0	0.2	<0.015	0.1
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Detected	Not Detected	Trace	Detected	Trace	Detected
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Detected	Trace	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Detected
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg												<0.02		<0.02			0.0			
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg												<0.02		<0.02			<0.02			
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg												<0.02		<0.02			<0.02			
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200	<10	<10			<200	<10	<10	<10
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																		<0.0007		
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg												<0.01					<0.01			
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																		0.0		
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg												<50					<50			

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP226	AEC18-LF-TP226	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP232	AEC18-LF-TP232
					Sample Top	0.50	1.50	3.50	4.50	0.20	1.50	4.50	1.50	3.50	0.20	2.50	4.50	1.50	2.50	3.50	0.20	3.50	4.50	1.50	2.30
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	1	2	4	5	1	2	5	3	5	1	4	6	3	4	5	1	4	5	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
																							87.0		
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																		12.0		
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																		36.0		
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																		9.7		
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																		<0.026		
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg												<0.01					<0.01			
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																		1.1		
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																		8.4		
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																		0.7		
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																		<0.0051		
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																		0.4		
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																		<0.0017		
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																		<0.0056		
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg												<50					<50			
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																		2.6		
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																		<0.019		
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																		<0.0023		
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																		<0.0023		
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																		0.0		
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																		0.1		
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																		0.0		
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																		0.0		
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg												<0.01					<0.01			
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																		1.1		
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																		0.2		
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																		2.3		
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																		0.3		
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																		0.0		
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg												<0.01					<0.01			
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg												<50					<50			
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																		<0.002		
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																		1.9		
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg												<0.01					<0.01			
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg												<0.05		<0.05			<0.05			
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg				972.0				114.0	<800				369.0	515.0				2840.0	<40	<40
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg				<10				<10	<10				<10	<10				16.5	<10	<10
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg				<10				<10	43.8				<10	<10				<10	<10	<10
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg				3100.0				2020.0	2550.0				400.0	658.0				3840.0	181.0	348.0
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg				2110.0				517.0	1780.0				168.0	122.0				2580.0	552.0	727.0
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg				5450.0				5700.0	14600.0				<100	<100				46200.0	1080.0	53000.0
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg				63500.0				43700.0	117000.0				<100	11000.0				86700.0	5490.0	160000.0
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg				306000.0				162000.0	323000.0				24900.0	104000.0				320000.0	19500.0	400000.0
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg				45100.0				36000.0	59700.0				4560.0	18300.0				60900.0	5830.0	140000.0
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg				21.9				12.8	32.5				17.1	<10				36.8	29.5	16.1
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg				315.0				179.0	1580.0				35.3	22.8				404.0	153.0	92.0
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg				2890.0				1570.0	2780.0				120.0	264.0				3120.0	271.0	523.0
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg				3160.0				776.0	2670.0				252.0	182.0				3860.0	828.0	1090.0
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg				9210.0				10100.0	19800.0				578.0	1790.0				87900.0	2260.0	28000.0
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg				47000.0				52200.0	90500.0				5790.0	19500.0				181000.0	7930.0	76000.0
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg				187000.0				205000.0	315000.0				72300.0	177000.0				819000.0	14500.0	349000.0
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg				47900.0				51500.0	74500.0				15500.0	24400.0				96100.0	<100	91200.0
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg								<0.3						<0.3						
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg								<20						53.0						
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg								8.9						6.2						
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg								<0.1						<0.1						
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg								<0.6						<0.6						
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg								4.4						18.2						
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg								9.4						8.7						
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg								0.1						0.1						
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg								30.5						33.1						
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg								19.6						81.8						
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg								450.0						364.0						
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg								8.6						24.1						
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg								1.1						0.9						
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP224	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP225	AEC18-LF-TP226	AEC18-LF-TP226	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP227	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP228	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP229	AEC18-LF-TP232	AEC18-LF-TP232
					Sample Top	0.50	1.50	3.50	4.50	0.20	1.50	4.50	1.50	3.50	0.20	2.50	4.50	1.50	2.50	3.50	0.20	3.50	4.50	1.50	2.30
					Lookup soil	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	1	2	4	5	1	2	5	3	5	1	4	6	3	4	5	1	4	5	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<100	<100			<500	<100	<100			<100		<100			<100	<100	<200	<500
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<10	<200			<200	<10	<200			<200		<10			<200	<10	<10	<10
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP233	AEC18-LF-TP233	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP237	AEC18-LF-TP237	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP241	AEC18-LF-TP241	AEC18-LF-TP242	AEC18-LF-TP242	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP244	AEC18-LF-TP244	AEC18-LF-TP246
					Sample Top	0.30	1.50	0.50	3.50	3.50	1.50	4.50	0.10	2.00	4.00	1.50	4.50	1.50	5.50	1.00	3.00	4.30	1.40	3.40	0.30
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	1	3	1	4	5	3	6	1	3	5	2	5	1	6	2	4	5	2	4	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																			
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																			
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																			
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																			
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																			
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																			
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																			
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																			
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																			
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																			
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																			
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																			
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																			
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																			
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1	<1	<1	1.1		<1	<0.5	<1	<1	13.1	5.9	<0.5	<1	155.0	<1	4.7	6.4	<1	<1	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																			
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	48.9	209.0	11.0	93.2		93.3	0.0	39.8	168.0	124.0	145.0	0.0	555.0	267.0	84.9	81.9	437.0	24.2	53.1	28.5
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.14	<0.14	<0.14	<0.14		<0.14	<0.0001	<0.14	<0.14	<0.14	<1.4	<0.0001	<0.14	<0.14	<0.14	<1.4	1.4	<0.14	<0.14	<0.14
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	27.2	14.8	7.0	86.5		24.1	0.4	13.7	17.4	30.5	1080.0	0.2	38.3	18100.0	28.5	69.4	72.7	20.5	24.5	19.0
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	<0.6	<0.6	<0.6	<0.6		4.8	0.2	<0.6	2.7	6.0	12.0	0.1	1.8	63.3	<0.6	<6	13.7	<0.6	<0.6	<0.6
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	16.0	19.3	5.4	16.4		16.1	0.1	7.6	8.7	19.3	22.8	0.0	18.6	16.0	17.0	31.1	22.0	13.8	15.2	22.6
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.0	0.9	0.5	1.0		0.8	<0.001	0.7	0.8	3.7	0.5	<0.001	2.2	0.6	1.1	0.7	1.4	0.9	1.0	1.0
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	<1	1.9	<1	5.3		2.4	2.8	<1	<1	3.2	3.5	6.0	1.9	44.0	1.7	2.0	3.3	<1	<1	<1
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.2	0.2	<0.02	0.5		<0.02	<0.0008	<0.02	0.9	0.5	2.0	0.0	0.3	0.1	0.5	0.9	0.6	0.1	0.7	0.1
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	31.7	30.6	8.7	36.7		21.0	0.1	9.9	14.9	9.0	412.0	0.1	26.0	8670.0	19.1	131.0	18.2	25.2	18.0	36.5
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	26.8	25.6	8.3	58.0		34.3	0.1	70.1	46.3	1370.0	195.0	0.1	51.2	3910.0	54.7	107.0	87600.0	19.1	297.0	24.4
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	45.4	36.6	18.5	38.3		42.9	0.0	67.4	29.5	35.0	28.9	<0.01	51.0	5.8	43.0	74.5	27.4	51.2	48.7	60.8
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	159.0	182.0	30.7	262.0		152.0	0.5	81.0	393.0	156.0	691.0	0.2	315.0	7900.0	222.0	185.0	445.0	60.8	172.0	88.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<1		1.9	<0.01	<1	<1	<1	<10	<0.01	<1	<1	<1	<10	1.0	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																				
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																				
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																				
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																				
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.035	<0.035	<0.035	0.1		<0.035	0.4	<0.035	<0.035	<0.035	<0.035	0.3	<0.035	0.3	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	8.3	7.6	8.2	7.9		8.1	7.4	8.8	8.1	7.4	8.1	7.6	8.1	8.4	8.0	7.7	8.0	8.2	8.0	8.1
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP233	AEC18-LF-TP233	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP237	AEC18-LF-TP237	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP241	AEC18-LF-TP241	AEC18-LF-TP242	AEC18-LF-TP242	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP244	AEC18-LF-TP244	AEC18-LF-TP246
					Sample Top	0.30	1.50	0.50	3.50	3.50	1.50	4.50	0.10	2.00	4.00	1.50	4.50	1.50	5.50	1.00	3.00	4.30	1.40	3.40	0.30
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	1	3	1	4	5	3	6	1	3	5	2	5	1	6	2	4	5	2	4	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	0.0	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg														<0.01						
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg														<0.01						
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP233	AEC18-LF-TP233	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP237	AEC18-LF-TP237	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP241	AEC18-LF-TP241	AEC18-LF-TP242	AEC18-LF-TP242	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP244	AEC18-LF-TP244	AEC18-LF-TP246
					Sample Top	0.30	1.50	0.50	3.50	3.50	1.50	4.50	0.10	2.00	4.00	1.50	4.50	1.50	5.50	1.00	3.00	4.30	1.40	3.40	0.30
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	1	3	1	4	5	3	6	1	3	5	2	5	1	6	2	4	5	2	4	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg							<0.6					<0.3		1.4						
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg							<0.5					<0.5		<1		<1	<1			
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg							<0.5					<0.5		346.0		4.9	8.5			
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg							<100			<200	<100	<200					<100			
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg		<4	<4	201.0			676.0	<4	9.5	<80	<40	180.0		<80	<4		<80	<4	<4	<4
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg							<100			<200	<100	<100					<200			
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<100					<200			
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<100					<200			
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg							1130.0			<200	<100	<100					<200			
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg							568.0			<220	<110	<110					<220			
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg							<100			<200	<100	<200					<100			
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<100					<200			
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg							<100			<200	<100	<200					147.0			
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg							<100			<100	<100	<200					<100			
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<100					<200			
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg							<50			<100	<50	<50					<100			
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg							4540.0			<160	105.0	407.0					<160			
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<100					<200			
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg		<7	<7	<7			<70	<7	<7	<140	<70	<70		<140	<7		<140	<7	<7	<7
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg							<50			<100	<50	<50					<100			
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg							<100			<200	<100	<200					113.0			
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<200					<100			
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg							<100			<200	<100	<200					<100			
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg							249.0			<200	224.0	2580.0					158.0			
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg							<100			<200	<100	570.0					<100			
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg							<100			<200	<100	<200		<50			<100			
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg							<100			<200	<100	<200					<100			
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg							<100			<200	<100	<200					<100			
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg							876.0			<200	<100	<200					<100			
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<100					<200			
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg							<50			<100	<50	<50					<100			
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<200					<100			
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg							254.0			<200	<100	<200					780.0			
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg							<100			<200	<100	<100					<200			
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg							<70			<140	<70	<70					<140			
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg							<60			<120	<60	<60					<120			
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<100					<200			
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<200					<100			
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg							<100			<160	<100	<200					<100			
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<100					<200			
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg							<100			<200	<100	<100					<200			
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<100					<200			
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg							<100			<200	<100	<200					<100			
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg							<100			<200	403.0	<200					<100			
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<200					<100			
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<100					<200			
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg							<80			<160	<80	<80					<160			
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg							<100			<200	<100	<200					<100			
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg		<9	<9	<9			<90	<9	<9	<180	<90	<90		<180	<9		<180	<9	<9	<9

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP233	AEC18-LF-TP233	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP237	AEC18-LF-TP237	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP241	AEC18-LF-TP241	AEC18-LF-TP242	AEC18-LF-TP242	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP244	AEC18-LF-TP244	AEC18-LF-TP246
					Sample Top	0.30	1.50	0.50	3.50	3.50	1.50	4.50	0.10	2.00	4.00	1.50	4.50	1.50	5.50	1.00	3.00	4.30	1.40	3.40	0.30
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	1	3	1	4	5	3	6	1	3	5	2	5	1	6	2	4	5	2	4	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg							<70			<140	<70	<70					<140			
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg							2.8					1.8								
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<100					<200			
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg							<70			<140	<70	<70					<140			
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg							<90			<180	<90	<90					<180			
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<100					<200			
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<100					<200			
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg							<60			<120	<60	<60					<120			
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg							<100			<200	<100	<100					<200			
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg							<70			203.0	<70	<70					<140			
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<100					<200			
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg							<70			<140	<70	<70					<140			
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg							<80			<160	<80	<80					<160			
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<100					<200			
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg							<60			<120	<60	<60					<120			
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg							<60			<120	<60	<60					<120			
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<200					<100			
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg							<100			<200	<100	<200					<100			
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<100					<200			
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<100					<200			
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg							<90			<180	<90	<90					<180			
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg							<100			<200	<100	<100					<200			
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg							<100			<200	<100	<200					<100			
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg							<100			<200	<100	450.0					147.0			
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg							481.0			<200	459.0	630.0					588.0			
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg							<100			<200	<100	<200					463.0			
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg							<200			<400	<200	<200					<400			
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<200					<100			
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg							<100			<200	<100	<200					<100			
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<200					<100			
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg							<100			<200	<100	<200					<100			
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg							34300.0			<200	<100	<200					328.0			
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg							<100			<200	<100	<200					<100			
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg		<10	<10	87.3			197.0	<10	<10	<200	<100	<100		<200	<10		<200	<10	<10	<10
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg							<100			<200	<100	<200					<100			
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg							<90			<180	<90	<90					<180			
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg							<100			<200	<100	<100					<100			
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg							<100			<200	<100	<200					<100			
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg							19200.0			<180	276.0	1000.0					<180			
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg							<100			<200	<100	<200					<100			
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg							<140			<280	<140	<140					<280			
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg							<160			<320	<160	<160					<320			
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg							<140			<280	<140	<140					<280			
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg							146.0			<100	<50	<50					<100			
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg							<100			<200	<100	<200					<100			
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg							<100			<200	<100	<100					<200			
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg		<10	<10	385.0			7640.0	<10	25.4	<200	<100	495.0		<200	<10		<200	<10	<10	<10
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg														<50						
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg														<50						
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg														<50						
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg														<0.01						
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg														<50						
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg														<50						
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg														<0.01						
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg														<50						
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP233	AEC18-LF-TP233	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP237	AEC18-LF-TP237	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP241	AEC18-LF-TP241	AEC18-LF-TP242	AEC18-LF-TP242	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP244	AEC18-LF-TP244	AEC18-LF-TP246
					Sample Top	0.30	1.50	0.50	3.50	3.50	1.50	4.50	0.10	2.00	4.00	1.50	4.50	1.50	5.50	1.00	3.00	4.30	1.40	3.40	0.30
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	1	3	1	4	5	3	6	1	3	5	2	5	1	6	2	4	5	2	4	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg														<0.01						
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg														<0.01						
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg														<50						
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg														<0.01						
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg														<50						
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg														<50						
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg														<50						
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg														<50						
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg														<0.01						
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg														<50						
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg														<50						
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg														<50						
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg														<50						
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg														<50						
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg														<50						
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg														<50						
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg														<50						
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg														<50						
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg														<50						
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg														<50						
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg														<50						
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg														<50						
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg														<50						
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg														<50						
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg														<50						
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg														<0.01						
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg														<50						
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg														<50						
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg														<50						
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg														<50						
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg														<50						
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg														<50						
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg														<50						
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg														<50						
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg														<0.01						
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg														<50						
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg														<50						
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg														<50						
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP233	AEC18-LF-TP233	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP237	AEC18-LF-TP237	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP241	AEC18-LF-TP241	AEC18-LF-TP242	AEC18-LF-TP242	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP244	AEC18-LF-TP244	AEC18-LF-TP246
					Sample Top	0.30	1.50	0.50	3.50	3.50	1.50	4.50	0.10	2.00	4.00	1.50	4.50	1.50	5.50	1.00	3.00	4.30	1.40	3.40	0.30
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	1	3	1	4	5	3	6	1	3	5	2	5	1	6	2	4	5	2	4	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg														<50						
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg														<50						
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg														<50						
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg														<50						
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg														<50						
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg														<50						
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg														<50						
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg														<50						
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg														<50						
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg														<50						
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg														<50						
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg														<0.01						
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg														<50						
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg														<50						
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg														<0.01						
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg														<0.01						
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg														<0.01						
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg														<0.01						
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg														<0.01						
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg														<50						
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg		309.0	70.0	90.9			216.0	32.5	141.0	<200	<100	<200		203.0	36.5		3880.0	148.0	44.0	37.6
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg		1270.0	550.0	413.0			868.0	309.0	680.0	1310.0	325.0	1410.0		553.0	331.0		12200.0	603.0	312.0	230.0
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg		355.0	516.0	107.0			204.0	164.0	373.0	425.0	134.0	450.0		146.0	171.0		3830.0	130.0	119.0	60.2
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg		394.0	453.0	77.8			264.0	163.0	282.0	460.0	134.0	490.0		114.0	115.0		4160.0	124.0	105.0	40.8
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg		749.0	1310.0	218.0			293.0	321.0	648.0	625.0	134.0	420.0		280.0	213.0		5240.0	375.0	267.0	76.1
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg		1600.0	556.0	560.0			1130.0	335.0	768.0	1510.0	302.0	1520.0		685.0	346.0		13400.0	733.0	331.0	257.0
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg		286.0	485.0	89.3			342.0	115.0	240.0	496.0	95.2	306.0		137.0	90.8		3950.0	127.0	93.0	26.0
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg		33.9	31.5	<12			219.0	16.7	49.8	<200	<100	<200		<12	19.9		915.0	<12	14.2	<12
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg		624.0	925.0	191.0			427.0	169.0	418.0	649.0	146.0	675.0		221.0	171.0		5740.0	228.0	157.0	64.8
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg		556.0	756.0	126.0			400.0	237.0	461.0	519.0	168.0	720.0		180.0	224.0		5900.0	234.0	167.0	79.8
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg		89.2	172.0	<23			<100	30.9	66.1	<200	<100	<200		<23	38.2		452.0	30.9	<23	<23
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg		579.0	722.0	150.0			461.0	181.0	372.0	661.0	179.0	750.0		205.0	177.0		6640.0	246.0	145.0	83.4
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg		34.0	<8	107.0			741.0	10.9	42.4	<200	<100	<200		182.0	10.1		565.0	52.9	19.2	18.1
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg		741.0	95.9	447.0			787.0	115.0	386.0	602.0	179.0	1190.0		976.0	112.0		8990.0	414.0	124.0	170.0
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg		103.0	11.6	108.0			1270.0	<10	42.6	<200	<100	<200		188.0	15.5		1370.0	49.3	14.5	15.5
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg		20.0	<9	120.0			17100.0	<9	24.0	<200	<100	354.0		403.0	12.0		<260	<9	<9	<9
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg							<0.5					<0.5		123.0		<1	<1			
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	<0.015	<0.015	<0.015	0.1		<0.015	0.4	<0.015	<0.015	<0.015	<0.015	0.0	<0.015	0.2	<0.015	0.0	<0.015	<0.015	<0.015	<0.015
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	<0.01	<0.01	<0.01	0.0		<0.01	0.1	<0.01	<0.01	0.0	<0.01	0.2	<0.01	0.1	<0.01	<0.01	0.0	<0.01	<0.01	<0.01
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected		Not Detected	Not Detected	Not Detected
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected		Detected	Not Detected		Not Detected	Not Detected	Not Detected
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected		Not Detected	Not Detected	Not Detected
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected		Not Detected	Not Detected	Not Detected
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected		Not Detected	Not Detected	Not Detected
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected		Not Detected	Not Detected	Not Detected
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg														<0.06						
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg														0.1						
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg														0.1						
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10	<10	<10			<100			<200	<100	<100					<200		<10	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g														<0.0022						
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg														<0.01						
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g														0.0						
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg														<50						

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP233	AEC18-LF-TP233	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP237	AEC18-LF-TP237	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP241	AEC18-LF-TP241	AEC18-LF-TP242	AEC18-LF-TP242	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP244	AEC18-LF-TP244	AEC18-LF-TP246
					Sample Top	0.30	1.50	0.50	3.50	3.50	1.50	4.50	0.10	2.00	4.00	1.50	4.50	1.50	5.50	1.00	3.00	4.30	1.40	3.40	0.30
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	1	3	1	4	5	3	6	1	3	5	2	5	1	6	2	4	5	2	4	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
																			50.0						
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g														8.2						
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g														24.0						
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g														2.8						
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g														<0.015						
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg														0.1						
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g														0.5						
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g														6.5						
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g														0.1						
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g														<0.0045						
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g														0.9						
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g														<0.0026						
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g														0.0						
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg														<50						
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g														3.1						
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g														<0.0092						
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g														0.0						
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g														0.0						
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g														0.0						
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g														0.2						
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g														0.0						
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g														0.0						
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg														<0.01						
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g														1.3						
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g														0.1						
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g														1.0						
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g														0.3						
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g														0.0						
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg														<0.01						
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg														<50						
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g														<0.007						
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g														1.5						
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg														<0.01						
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg														<0.14						
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg		<40	<40	673.0			8510.0			<800	<400						<800		<40	
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg		<10	<10	<10			<200			<10	<10						<10		<10	
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10	<10	<10			<200			<10	<10						<10		<10	
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10	<10	1790.0			117000.0			382.0	700.0						<10		117.0	
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10	10.1	2370.0			202000.0			797.0	1800.0						<10		80.0	
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<100	<100	26200.0			167000.0			5380.0	7230.0						23100.0		<100	
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg		3490.0	4560.0	206000.0			53300.0			71100.0	56900.0						192000.0		4930.0	
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg		18500.0	22600.0	634000.0			192000.0			293000.0	260000.0						529000.0		13800.0	
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg		1320.0	9440.0	114000.0			55300.0			103000.0	57500.0						125000.0		5910.0	
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10	<10	22.7			<200			14.2	30.2						<10		17.4	
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10	15.7	202.0			639.0			70.8	147.0						<10		85.8	
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10	12.3	2680.0			176000.0			572.0	1050.0						<10		175.0	
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10	14.6	3560.0			303000.0			1200.0	2710.0						<10		121.0	
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg		2810.0	<100	85000.0			51500.0			14200.0	27300.0						30400.0		405.0	
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg		6730.0	3800.0	340000.0			81500.0			76600.0	207000.0						151000.0		1190.0	
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg		25800.0	23400.0	1660000.0			389000.0			638000.0	740000.0						482000.0		6800.0	
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg		6490.0	2710.0	140000.0			96800.0			198000.0	102000.0						85000.0		788.0	
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg							<0.3					<0.3								
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg							56.0					125.0								
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg							5.4					<5								
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg							<0.1					<0.1								
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg							<0.6					<0.6								
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg							<0.19					<0.19								
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg							23.6					53.6								
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg							0.6					0.5								
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg							89.3					190.0								
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg							29.8					274.0								
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg							487.0					566.0								
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg							59.3					230.0								
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg							0.7					0.9								
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg							<100			<200	<100	<200					<100			
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<100			<200	<100	<200					<100			

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					Hole Ref	AEC18-LF-TP233	AEC18-LF-TP233	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP236	AEC18-LF-TP237	AEC18-LF-TP237	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP239	AEC18-LF-TP241	AEC18-LF-TP241	AEC18-LF-TP242	AEC18-LF-TP242	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP243	AEC18-LF-TP244	AEC18-LF-TP244	AEC18-LF-TP246
					Sample Top	0.30	1.50	0.50	3.50	3.50	1.50	4.50	0.10	2.00	4.00	1.50	4.50	1.50	5.50	1.00	3.00	4.30	1.40	3.40	0.30
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	1	3	1	4	5	3	6	1	3	5	2	5	1	6	2	4	5	2	4	1
Contaminant Code	**Contaminant Name**	**Test Type**	**RTM screening value**	**Screening units**	Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	**Azobenzene**	**SOLID - INITIAL**	**0.38**	**mg/kg**	ug/kg							<100			<200	<100	<200					<100			
106-47-8	**4-Chloroaniline**	**SOLID - INITIAL**	**0.01**	**mg/kg**	ug/kg							<100			<200	<100	<200					<100			
700-57-23	**4-Chlorophenylphenylether**	**SOLID - INITIAL**	**#N/A**	**mg/kg**	ug/kg							<100			<200	<100	<200					<100			
88-74-4	**2-Nitroaniline**	**SOLID - INITIAL**	**0.01**	**mg/kg**	ug/kg							<100			<200	<100	<200					<100			
99-09-2	**3-Nitroaniline**	**SOLID - INITIAL**	**#N/A**	**mg/kg**	ug/kg							<100			<200	<100	<200					<100			
994-05-8	**Tertiary Amyl Methyl Ether**	**SOLID - INITIAL**	**#N/A**	**mg/kg**	ug/kg							<100			<200	<100	<100					<200			
1336-36-6	**PCB Total (WAC only)**	**SOLID**	**#N/A**	**mg/kg**	mg/kg																				
P1330	**BTEX (total) WAC**	**SOLID**	**#N/A**	**mg/kg**	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP246	AEC18-LF-TP246	AEC18-LF-TP247	AEC18-LF-TP247	AEC18-LF-TP247	AEC18-LF-TP248	AEC18-LF-TP248	AEC18-LF-TP249	AEC18-LF-TP249	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP251	AEC18-LF-TP251	AEC18-LF-TP252	AEC18-LF-TP252	AEC18-LF-TP253	AEC18-LF-TP256	AEC18-LF-TP256	AEC18-LF-TP256
					Sample Top	2.50	4.30	1.10	3.10	4.10	1.50	4.50	1.30	3.70	0.90	3.00	4.10	1.30	4.00	0.30	4.10	0.40	0.20	2.60	4.40
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF
					Sample Ref	3	5	2	4	5	2	5	2	4	2	4	5	2	5	2	6		1	4	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																				
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																				
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																				
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																				
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																				
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																				
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																				
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1	<1	<1	<1	<1	9.8	<1	<1	<1	<1	2.3	<0.5	<1	<0.5	<1	<1	<1	<1	<1	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																				
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	91.6	114.0	25.1	31.9	62.5	106.0	206.0	25.9	99.4	24.4	129.0	0.0	18.5	0.0	23.4	57.1	6.1	44.5	67.2	59.8
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	0.5	<0.0001	<0.14	<0.0001	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	27.4	17.7	21.0	37.5	37.4	295.0	38.2	13.9	24.0	53.4	23.6	0.1	19.3	0.3	21.4	30.8	6.1	12.5	26.9	19.4
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	<0.6	2.1	<0.6	<0.6	0.6	10.8	<0.6	<0.6	1.3	<0.6	9.7	0.2	<0.6	0.3	<0.6	<0.6	<0.6	<0.6	0.8	2.5
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	16.0	12.2	14.8	22.6	13.2	11.7	19.2	7.9	27.7	16.1	19.3	0.0	12.7	0.1	12.7	14.3	7.5	10.0	13.5	8.8
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.2	0.5	1.0	1.0	1.2	0.7	0.8	2.7	1.1	2.1	0.8	<0.001	0.9	<0.001	0.9	1.1	0.4	0.6	1.1	0.7
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	1.5	3.1	<1	<1	1.0	3.9	1.7	1.3	2.1	31.7	22.0	22.8	<1	2.4	<1	1.2	1.0	<1	<1	1.8
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.2	1.2	0.2	0.4	0.3	1.1	<0.02	0.3	0.5	0.6	1.0	<0.0008	0.3	0.0	0.1	0.3	0.1	0.1	0.3	1.2
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	34.1	10.8	25.5	10.2	18.2	149.0	13.7	13.8	26.9	32.3	14.1	0.1	30.8	0.1	17.4	15.5	7.8	17.1	20.6	17.1
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	23.4	36.8	16.7	18.4	23.1	97.2	19.8	19.3	30.8	30.1	82.1	0.1	16.7	0.2	15.5	29.4	4.4	19.4	25.7	25.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	63.0	24.2	52.4	41.9	44.0	29.9	36.9	40.7	36.6	57.5	17.9	0.0	61.7	0.2	43.9	44.3	14.4	57.0	41.6	27.7
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	80.8	147.0	85.8	104.0	147.0	447.0	142.0	73.1	177.0	154.0	575.0	0.1	44.4	0.4	51.5	129.0	28.5	63.6	131.0	200.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.2	<1	<0.01	<1	<0.01	<1	<1	<1	<1	1.1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																				
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																				
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																				
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																				
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.035	<0.035	<0.035	<0.035	<0.035	1.6	0.1	<0.035	<0.035	<0.035	<0.035	0.3	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	8.2	7.9	8.1	8.5	8.1	8.2	8.1	9.2	8.6	8.0	7.9	7.8	7.7	7.6	8.2	8.2	9.0	10.9	8.0	7.9
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP246	AEC18-LF-TP246	AEC18-LF-TP247	AEC18-LF-TP247	AEC18-LF-TP247	AEC18-LF-TP248	AEC18-LF-TP248	AEC18-LF-TP249	AEC18-LF-TP249	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP251	AEC18-LF-TP251	AEC18-LF-TP252	AEC18-LF-TP252	AEC18-LF-TP253	AEC18-LF-TP256	AEC18-LF-TP256	AEC18-LF-TP256
					Sample Top	2.50	4.30	1.10	3.10	4.10	1.50	4.50	1.30	3.70	0.90	3.00	4.10	1.30	4.00	0.30	4.10	0.40	0.20	2.60	4.40
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF
					Sample Ref	3	5	2	4	5	2	5	2	4	2	4	5	2	5	2	6		1	4	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg		<0.01																		<0.01
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg		<0.01																		<0.01
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP246	AEC18-LF-TP246	AEC18-LF-TP247	AEC18-LF-TP247	AEC18-LF-TP247	AEC18-LF-TP248	AEC18-LF-TP248	AEC18-LF-TP249	AEC18-LF-TP249	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP251	AEC18-LF-TP251	AEC18-LF-TP252	AEC18-LF-TP252	AEC18-LF-TP253	AEC18-LF-TP256	AEC18-LF-TP256	AEC18-LF-TP256
					Sample Top	2.50	4.30	1.10	3.10	4.10	1.50	4.50	1.30	3.70	0.90	3.00	4.10	1.30	4.00	0.30	4.10	0.40	0.20	2.60	4.40
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF
					Sample Ref	3	5	2	4	5	2	5	2	4	2	4	5	2	5	2	6		1	4	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg	<0.6											<0.3		<0.3						<0.6
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg						<1					<1	<0.5		<0.5						
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg						3.7					3.1	<0.5		<0.5						
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg	<4	<4	<4	<4	<4	41.5	<4	<4	<40		<80	<4	<4	<4	<4	<4	<4		<4	<4
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg	<10	<10		<10	<10	20.3								<10		<10				
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg	<11	<11		<11	<11	54.1								<11		<11				
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg	<100	<100		<100	<100	562.0								<100		<200				
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg	<5	<5		<5	<5	<5								<5		<5				
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg	<8	<8		<8	<8	178.0								<8		<8				
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg	<7	<7	<7	<7	<7	<7	<7	<7	<70		<140	<7	<7	<7	<7	<7	<7		<7	<7
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg	<5	<5		<5	<5	<5								<5		<5				
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				<500
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<20				
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg	<5	<5		<5	<5	<5								<5		<5				
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg	<100	139.0		621.0	<100	628.0								173.0		<200				
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg	<10	<10		<10	<10	19.9								<10		<10				
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<7	<7		<7	<7	<7								<7		<7				
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg	<6	<6		<6	<6	<6								<6		<6				
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg	<8	<8		<8	<8	<8								<8		<8				
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg	<9	<9	<9	<9	<9	<9	<9	<9	<90		<180	<9	<9	<9	<9	<9	<9		<9	<9

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP246	AEC18-LF-TP246	AEC18-LF-TP247	AEC18-LF-TP247	AEC18-LF-TP247	AEC18-LF-TP248	AEC18-LF-TP248	AEC18-LF-TP249	AEC18-LF-TP249	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP251	AEC18-LF-TP251	AEC18-LF-TP252	AEC18-LF-TP252	AEC18-LF-TP253	AEC18-LF-TP256	AEC18-LF-TP256	AEC18-LF-TP256
					Sample Top	2.50	4.30	1.10	3.10	4.10	1.50	4.50	1.30	3.70	0.90	3.00	4.10	1.30	4.00	0.30	4.10	0.40	0.20	2.60	4.40
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF
					Sample Ref	3	5	2	4	5	2	5	2	4	2	4	5	2	5	2	6		1	4	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg	<7	<7		<7	<7	<7								<7		<7				
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg												0.9		2.1						
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg	<7	<7		<7	<7	<7								<7		<7				
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg	<9	<9		<9	<9	<9								<9		<9				
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg	<6	<6		<6	<6	<6								<6		<6				
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg	<10	<10		<10	<10	18.4								<10		<10				
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg	9.0	<7		<7	<7	14.6								<7		<7				
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg	<7	<7		<7	<7	<7								<7		<7				
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg	<8	<8		<8	<8	<8								<8		<8				
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg	<6	<6		<6	<6	<6								<6		<6				
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg	<6	<6		<6	<6	<6								<6		<6				
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg	<9	<9		<9	<9	<9								<9		<9				
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg	<100	<100		<100	<100	2200.0								346.0		<200				
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg	<100	151.0		<100	121.0	8290.0								1810.0		<200				
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg	<100	189.0		690.0	<100	258.0								186.0		<200				
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg	<20	<20		<20	<20	<20								<20		<20				
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<20				
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg	<100	<100		138.0	<100	1750.0								146.0		<200				
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg	<10	<10	<10	<10	<10	43.9	<10	<10	<100		<200	<10	<10	<10	<10	<10	<10		<10	<10
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg	<9	<9		<9	<9	<9								<9		<9				
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg	<10	<10		<10	<10	61.3								<10		<10				
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg	<9	<9		<9	<9	446.0								<9		<9				
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg	<14	<14		<14	<14	<14								<14		<14				
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg	<16	<16		<16	<16	<16								<16		<16				
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg	<14	<14		<14	<14	<14								<14		<14				
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg	<5	<5		<5	<5	7.7								<5		<5				
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg	<10	<10		<10	<10	52.8								<10		<10				
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg	<10	<10	<10	<10	<10	60.6	<10	<10	<100		<200	14.6	<10	<10	<10	<10	<10		<10	<10
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg		<0.01																		<0.01
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg		<0.01																		<0.01
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP246	AEC18-LF-TP246	AEC18-LF-TP247	AEC18-LF-TP247	AEC18-LF-TP247	AEC18-LF-TP248	AEC18-LF-TP248	AEC18-LF-TP249	AEC18-LF-TP249	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP251	AEC18-LF-TP251	AEC18-LF-TP252	AEC18-LF-TP252	AEC18-LF-TP253	AEC18-LF-TP256	AEC18-LF-TP256	AEC18-LF-TP256
					Sample Top	2.50	4.30	1.10	3.10	4.10	1.50	4.50	1.30	3.70	0.90	3.00	4.10	1.30	4.00	0.30	4.10	0.40	0.20	2.60	4.40
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF
					Sample Ref	3	5	2	4	5	2	5	2	4	2	4	5	2	5	2	6		1	4	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg		<0.01																		<0.01
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg		<0.01																		<0.01
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg		<0.01																		<0.01
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg		<0.01																		<0.01
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg		<0.01																		<0.01
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg		<0.01																		<0.01
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP246	AEC18-LF-TP246	AEC18-LF-TP247	AEC18-LF-TP247	AEC18-LF-TP247	AEC18-LF-TP248	AEC18-LF-TP248	AEC18-LF-TP249	AEC18-LF-TP249	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP251	AEC18-LF-TP251	AEC18-LF-TP252	AEC18-LF-TP252	AEC18-LF-TP253	AEC18-LF-TP256	AEC18-LF-TP256	AEC18-LF-TP256
					Sample Top	2.50	4.30	1.10	3.10	4.10	1.50	4.50	1.30	3.70	0.90	3.00	4.10	1.30	4.00	0.30	4.10	0.40	0.20	2.60	4.40
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF
					Sample Ref	3	5	2	4	5	2	5	2	4	2	4	5	2	5	2	6		1	4	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg		<0.01																		<0.01
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg		<0.01																		<0.01
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg		<0.01																		<0.01
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg		<0.01																		<0.01
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg		<0.01																		<0.01
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg		<0.01																		<0.01
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg		<500																		<500
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg	<100	896.0	<16	311.0	<100	868.0	4820.0	<80	930.0		36.7	217.0	<80	334.0	319.0	<200	<16		57.6	993.0
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg	418.0	5250.0	29.5	1580.0	175.0	1780.0	13400.0	421.0	3420.0		290.0	1070.0	<75	1430.0	1630.0	1350.0	47.7		734.0	4180.0
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg	139.0	1210.0	<24	364.0	<100	797.0	3060.0	157.0	813.0		93.9	291.0	<120	798.0	457.0	667.0	<24		365.0	1270.0
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg	162.0	1320.0	<18	329.0	<100	712.0	3630.0	104.0	623.0		74.4	201.0	<90	531.0	462.0	624.0	<18		305.0	1110.0
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg	186.0	1850.0	23.5	1090.0	<100	878.0	7290.0	355.0	1840.0		102.0	445.0	<75	1080.0	1120.0	784.0	23.7		601.0	2100.0
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg	487.0	6190.0	30.7	1810.0	210.0	2000.0	16900.0	463.0	4070.0		333.0	1230.0	<85	1590.0	1650.0	1360.0	54.3		762.0	5100.0
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg	197.0	1220.0	<14	476.0	<100	247.0	2200.0	128.0	753.0		46.3	218.0	<70	452.0	420.0	595.0	<14		190.0	655.0
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg	<100	<100	<12	46.8	<100	199.0	701.0	<60	115.0		<12	46.8	<60	<100	<120	<120	<12		40.9	<60
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg	209.0	2300.0	14.9	831.0	97.1	753.0	6090.0	246.0	1470.0		126.0	510.0	<50	639.0	671.0	913.0	15.9		405.0	1820.0
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg	197.0	2080.0	<15	799.0	<100	927.0	5750.0	220.0	1430.0		127.0	504.0	<75	756.0	787.0	854.0	20.4		531.0	2050.0
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg	<100	<100	<23	86.9	<100	<100	725.0	<115	134.0		<23	71.7	<115	<100	<230	<200	<23		73.9	225.0
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg	232.0	2580.0	17.7	974.0	101.0	805.0	6930.0	236.0	1510.0		125.0	609.0	<70	746.0	688.0	885.0	<14		453.0	2060.0
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg	162.0	315.0	<8	100.0	<100	690.0	1860.0	46.0	649.0		24.9	56.8	<40	271.0	122.0	<200	<8		10.2	1130.0
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg	371.0	2520.0	<15	753.0	96.4	2160.0	10000.0	231.0	3090.0		138.0	751.0	<75	947.0	582.0	608.0	22.6		174.0	5680.0
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg	128.0	353.0	<10	95.1	<100	1100.0	1990.0	<50	690.0		22.0	77.8	<50	241.0	<100	<100	<10		<10	1310.0
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg	<100	<100	<9	<13	<100	480.0	1140.0	<45	162.0		<9	92.6	<45	55.9	<90	<13	<9		13.9	175.0
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg						<1					<1	<0.5		<0.5						
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	<0.015	<0.015	<0.015	<0.015	<0.015	1.2	0.1	<0.015	<0.015	<0.015	<0.015	0.2	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	0.0	0.4	0.0	<0.01	<0.01	<0.01	<0.01	0.2	<0.01	0.0	<0.01	0.0	<0.01	<0.01	<0.01	<0.01
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected		Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Trace	Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Detected
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Detected
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg		<0.02																		<0.02
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg		<0.02																		<0.02
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg		<0.02																		<0.02
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10			<100		<200			<10		<10	<10		<10	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g		<0.00042																		
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg		<0.01																		<0.01
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g		<0.0025																		
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<500																		<500

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP246	AEC18-LF-TP246	AEC18-LF-TP247	AEC18-LF-TP247	AEC18-LF-TP247	AEC18-LF-TP248	AEC18-LF-TP248	AEC18-LF-TP249	AEC18-LF-TP249	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP251	AEC18-LF-TP251	AEC18-LF-TP252	AEC18-LF-TP252	AEC18-LF-TP253	AEC18-LF-TP256	AEC18-LF-TP256	AEC18-LF-TP256
					Sample Top	2.50	4.30	1.10	3.10	4.10	1.50	4.50	1.30	3.70	0.90	3.00	4.10	1.30	4.00	0.30	4.10	0.40	0.20	2.60	4.40
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF
					Sample Ref	3	5	2	4	5	2	5	2	4	2	4	5	2	5	2	6		1	4	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
							1.5																		
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g		1.4																		
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g		0.6																		
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g		0.3																		
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g		0.7																		
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg		<0.01																		<0.01
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g		0.1																		
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g		0.6																		
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g		<0.033																		
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g		<0.0025																		
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g		0.2																		
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g		<0.00054																		
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g		0.0																		
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<500																		<500
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g		0.8																		
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g		<0.024																		
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g		<0.0029																		
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g		0.0																		
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g		0.0																		
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g		0.0																		
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g		<0.0049																		
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g		0.0																		
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg		<0.01																		<0.01
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g		0.0																		
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g		<0.048																		
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g		0.5																		
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g		0.2																		
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g		0.0																		
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg		<0.01																		<0.01
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<500																		<500
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g		<0.0018																		
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g		<0.027																		
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg		<0.01																		<0.01
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg		<0.05																		<0.05
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg	<40	<40		<40	<40	146.0			<400		<800			<40		<40	<40		<40	
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg	<10	<10		<10	<10	<10			<10		<10			<10		<10	<10		<10	
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10			<10		<10			<10		<10	<10		<10	
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg	45.2	189.0		181.0	49.6	1200.0			49.0		4480.0			536.0		<10	78.0		<10	
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg	76.6	440.0		854.0	41.1	3520.0			77.5		6310.0			491.0		<10	242.0		<10	
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg	2560.0	27800.0		5380.0	1110.0	190000.0			4620.0		6580.0			4210.0		1420.0	<100		163.0	
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg	9490.0	186000.0		28700.0	5310.0	461000.0			19700.0		46200.0			62000.0		12100.0	<100		5810.0	
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg	32800.0	366000.0		69300.0	14600.0	1450000.0			61600.0		220000.0			273000.0		58500.0	4770.0		46600.0	
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg	12300.0	111000.0		21100.0	1850.0	235000.0			25800.0		67000.0			69100.0		20100.0	6730.0		16700.0	
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg	11.6	<10		23.0	<10	18.4			11.4		168.0			18.6		<10	10.8		<10	
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg	40.6	69.3		110.0	38.7	93.2			38.8		947.0			148.0		<10	31.2		<10	
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg	67.3	282.0		271.0	73.8	1800.0			73.0		6710.0			803.0		<10	116.0		<10	
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg	115.0	659.0		1280.0	61.7	5290.0			116.0		9460.0			735.0		<10	364.0		<10	
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100	57500.0		16600.0	2240.0	281000.0			6410.0		11900.0			6350.0		955.0	<100		<100	
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg	1190.0	154000.0		42700.0	7200.0	1250000.0			14600.0		85800.0			71500.0		6070.0	<100		3400.0	
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg	19800.0	196000.0		52600.0	13000.0	3160000.0			52500.0		364000.0			303000.0		23600.0	5430.0		63500.0	
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg	8810.0	67100.0		6990.0	866.0	206000.0			11700.0		82100.0			58400.0		2990.0	9800.0		10200.0	
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg												<0.3		<0.3						
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg												35.0		30.0						
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg												<5		<5						
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg												<0.1		0.4						
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg												<0.6		<0.6						
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg												<0.19		<0.19						
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg												49.7		25.6						
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg												0.3		9.2						
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg												93.8		31.3						
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg												56.7		28.5						
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg												1150.0		546.0						
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg												207.0		65.1						
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg												0.3		0.4						
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP246	AEC18-LF-TP246	AEC18-LF-TP247	AEC18-LF-TP247	AEC18-LF-TP247	AEC18-LF-TP248	AEC18-LF-TP248	AEC18-LF-TP249	AEC18-LF-TP249	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP250	AEC18-LF-TP251	AEC18-LF-TP251	AEC18-LF-TP252	AEC18-LF-TP252	AEC18-LF-TP253	AEC18-LF-TP256	AEC18-LF-TP256	AEC18-LF-TP256
					Sample Top	2.50	4.30	1.10	3.10	4.10	1.50	4.50	1.30	3.70	0.90	3.00	4.10	1.30	4.00	0.30	4.10	0.40	0.20	2.60	4.40
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF
					Sample Ref	3	5	2	4	5	2	5	2	4	2	4	5	2	5	2	6		1	4	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100	<100		<100	<100	<100								<100		<200				
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<10	<10		<10	<10	<10								<10		<10				
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP258	AEC18-LF-TP258	AEC18-LF-TP259	AEC18-LF-TP259	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP261	AEC18-LF-TP261	AEC18-LF-TP262	AEC18-LF-TP262	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP264
					Sample Top	0.20	2.00	4.40	0.40	1.50	0.30	3.60	0.50	2.50	4.30	0.20	5.50	2.50	5.70	1.50	3.50	5.55	2.00	4.00	4.50
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	1	3	6	1	2	1	4	1	3	5	1	6	3	6	2	4	6	3	5	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																			
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																			
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																			
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																			
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																			
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																			
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																			
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																			
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																			
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																			
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																			
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																			
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																			
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																			
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1	<1	8.0	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	4.5	<0.5	7.1	<1	<1	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																			
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	46.5	23.4	161.0	187.0	78.2	40.0	33.7	85.9	114.0	55.0	58.4	0.0	21.9	33.2	110.0	<0.002	942.0	128.0	104.0	52.4
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.14	<0.14	0.5	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.0001	<0.14	<0.14	<0.14	<0.0001	0.2	<0.14	<0.14	<0.14
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	9.3	22.0	22.4	27.6	18.1	19.9	17.2	32.2	24.2	14.9	18.0	0.0	17.3	18.3	23.2	0.2	38.6	20.0	24.6	16.5
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	<0.6	<0.6	16.5	1.0	<0.6	<0.6	<0.6	0.9	0.7	1.3	<0.6	0.4	<0.6	<0.6	1.8	<6	40.3	<0.6	<0.6	<0.6
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	6.7	15.8	21.2	20.4	22.7	10.7	10.1	26.9	17.3	6.9	13.4	0.0	11.4	14.2	11.7	0.0	17.0	13.4	15.0	10.6
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	0.3	1.1	0.6	0.8	2.8	0.8	0.9	1.3	1.3	0.8	0.9	<0.001	0.8	0.8	2.7	<0.001	0.6	2.7	2.1	0.9
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	<1	<1	4.2	3.8	2.1	<1	<1	1.9	4.8	2.9	<1	2.4	1.2	<1	1.2	2.3	3.2	4.3	3.0	2.3
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.1	0.1	0.8	0.5	0.2	0.8	0.2	0.3	0.3	1.5	0.4	<0.0008	<0.02	<0.02	0.7	<0.0008	1.6	0.3	0.1	0.2
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	<0.9	28.3	13.5	9.0	11.5	15.4	15.5	24.5	22.3	9.8	22.4	0.1	19.2	22.1	28.5	0.1	42.1	22.3	78.3	19.4
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	90.2	31.8	52.2	33.7	23.8	24.8	13.8	29.2	36.8	40.0	20.2	0.1	13.9	20.4	70.8	0.0	170.0	39.8	36.9	25.3
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	89.9	64.3	23.3	42.4	31.9	44.5	35.4	64.2	54.3	16.0	40.8	0.0	39.4	46.0	35.8	<0.01	28.0	42.3	41.0	33.7
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	106.0	79.9	410.0	126.0	104.0	72.4	62.0	131.0	117.0	115.0	96.6	0.1	46.7	64.8	614.0	0.0	2850.0	186.0	183.0	103.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	2.8	1.4	<1	<1	<1	<1	<1	<1	<0.01	<1	<1	<1	<0.01	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																				
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																				
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																				
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																				
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.4	0.4	<0.035	<0.035	<0.035
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	9.2	9.3	8.1	9.8	8.1	11.9	8.1	8.7	8.2	7.9	8.3	7.7	8.3	8.3	7.5	7.9	7.4	8.1	8.0	8.0
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP258	AEC18-LF-TP258	AEC18-LF-TP259	AEC18-LF-TP259	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP261	AEC18-LF-TP261	AEC18-LF-TP262	AEC18-LF-TP262	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP264
					Sample Top	0.20	2.00	4.40	0.40	1.50	0.30	3.60	0.50	2.50	4.30	0.20	5.50	2.50	5.70	1.50	3.50	5.55	2.00	4.00	4.50
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	1	3	6	1	2	1	4	1	3	5	1	6	3	6	2	4	6	3	5	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																			
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																			
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.1	<0.01	<0.01	<0.01
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																			
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																			
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																			
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																			
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																			
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																			
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																			
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																			
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																			
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																			
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																			
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																			
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																			
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																			
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																			
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																			
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																			
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																			
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																			
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																			
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																			
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg		<0.01					<0.01			<0.01										
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																			

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP258	AEC18-LF-TP258	AEC18-LF-TP259	AEC18-LF-TP259	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP261	AEC18-LF-TP261	AEC18-LF-TP262	AEC18-LF-TP262	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP264
					Sample Top	0.20	2.00	4.40	0.40	1.50	0.30	3.60	0.50	2.50	4.30	0.20	5.50	2.50	5.70	1.50	3.50	5.55	2.00	4.00	4.50
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	1	3	6	1	2	1	4	1	3	5	1	6	3	6	2	4	6	3	5	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																			
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																			
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																			
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																			
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg		<0.6					<0.6			<0.6		<0.3				<0.3			<0.6	<0.6
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg												<0.5				<0.5				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg												<0.5				<0.5				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																			
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																			
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																			
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																			
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																			
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																			
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																			
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																			
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																			
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																			
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																			
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg	<4	<4	<80		<4	<4	<4		<4	<4		15.6		193.0	<4	324.0	17.3	<4	<4	<4
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		186.0			<10	<10
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg		<11	<220				<11			<11		<11		<220		<110			<11	<11
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<50			<100	<100
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg		<5	<100				<5			<5		<5		<100		<50			<5	<5
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg		<8	<160				<8			<8		20.7		372.0		701.0			<8	<8
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg	<7	<7	<140		<7	<7	<7		<7	<7		14.0		<140	<7	<70	<7	<7	<7	<7
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg		<5	<100				<5			<5		<5		<100		<50			<5	<5
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg		<100	<100				<100			<100		1120.0		<100		75100.0			<100	<100
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg		<100	<100				<100			<100		529.0		<100		11000.0			<100	<100
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg		<5	<100				<5			<5		<5		<100		<50			<5	<5
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg		<100	<100				<100			<100		664.0		<100		2960.0			403.0	<100
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<7	<140				<7			<7		<7		<140		<70			<7	<7
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg		<6	<120				<6			<6		<6		<120		<60			<6	<6
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<80			<100	<100
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		7280.0			<100	<100
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		11200.0			<100	<100
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg		<8	<160				<8			<8		<8		<160		<80			<8	<8
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg	<9	<9	<180		<9	<9	<9		<9	<9		<9		<180	<9	<90	<9	<9	<9	<9

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP258	AEC18-LF-TP258	AEC18-LF-TP259	AEC18-LF-TP259	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP261	AEC18-LF-TP261	AEC18-LF-TP262	AEC18-LF-TP262	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP264
					Sample Top	0.20	2.00	4.40	0.40	1.50	0.30	3.60	0.50	2.50	4.30	0.20	5.50	2.50	5.70	1.50	3.50	5.55	2.00	4.00	4.50
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	1	3	6	1	2	1	4	1	3	5	1	6	3	6	2	4	6	3	5	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg		<7	<140				<7			<7		<7		<140		<70			<7	<7
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg												0.8				0.7				
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg		<7	<140				<7			<7		<7		<140		<70			<7	<7
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg		<9	<180				<9			<9		<9		<180		<90			<9	<9
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg		<6	<120				<6			<6		<6		<120		<60			<6	<6
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg		<10	<200				<10			<10		61.9		<200		<100			<10	14.7
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg		<7	<140				<7			<7		30.1		<140		<70			14.5	36.2
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg		<7	<140				<7			<7		<7		<140		<70			<7	<7
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg		<8	<160				<8			<8		<8		<160		<80			<8	<8
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg		<6	<120				<6			<6		<6		<120		<60			<6	<6
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg		<6	<120				<6			<6		<6		<120		<60			<6	<6
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg		<9	<180				<9			<9		<9		<180		<90			<9	<9
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg		<100	<100				<100			189.0		<100		<100		1500.0			<100	<100
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg		<100	<100				<100			<100		308.0		<100		626.0			<100	<100
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg		<100	<100				<100			<100		431.0		<100		602.0			<100	<100
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg		<20	<400				<20			<20		<20		<400		<200			<20	<20
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg		<100	<100				<100			<100		221.0		<100		2030.0			427.0	<100
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg	<10	<10	<200		<10	<10	<10		<10	<10		23.6		<200	<10	<100	<10	<10	<10	<10
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg		<9	<180				<9			<9		<9		<180		<90			<9	<9
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg		<10	<100				<10			<10		<10		<100		<100			<10	<10
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg		<9	<180				<9			<9		109.0		1080.0		1770.0			<9	44.5
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg		<14	<280				<14			<14		<14		<280		<140			<14	<14
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg		<16	<320				<16			<16		<16		<320		<160			<16	<16
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg		<14	<280				<14			<14		<14		<280		<140			<14	<14
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg		<5	<100				<5			<5		<5		<100		126.0			<5	<5
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg	<10	<10	<200		<10	<10	<10		<10	<10		212.0		2940.0	<10	2250.0	339.0	<10	<10	23.1
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP258	AEC18-LF-TP258	AEC18-LF-TP259	AEC18-LF-TP259	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP261	AEC18-LF-TP261	AEC18-LF-TP262	AEC18-LF-TP262	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP264
					Sample Top	0.20	2.00	4.40	0.40	1.50	0.30	3.60	0.50	2.50	4.30	0.20	5.50	2.50	5.70	1.50	3.50	5.55	2.00	4.00	4.50
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	1	3	6	1	2	1	4	1	3	5	1	6	3	6	2	4	6	3	5	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg		<100					<1000			<1000										
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP258	AEC18-LF-TP258	AEC18-LF-TP259	AEC18-LF-TP259	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP261	AEC18-LF-TP261	AEC18-LF-TP262	AEC18-LF-TP262	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP264
					Sample Top	0.20	2.00	4.40	0.40	1.50	0.30	3.60	0.50	2.50	4.30	0.20	5.50	2.50	5.70	1.50	3.50	5.55	2.00	4.00	4.50
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	1	3	6	1	2	1	4	1	3	5	1	6	3	6	2	4	6	3	5	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg		<50					<1000			<500										
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg	389.0	<100	<100		2650.0	401.0	<100		98.6	<100		1550.0		<100	3160.0	1150.0	198.0	585.0	488.0	222.0
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg	1760.0	<100	264.0		20000.0	1450.0	312.0		493.0	505.0		8750.0		183.0	11400.0	2630.0	1150.0	3050.0	2540.0	1460.0
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg	365.0	<100	<100		6600.0	416.0	188.0		387.0	239.0		2240.0		<100	1260.0	268.0	396.0	859.0	661.0	433.0
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg	338.0	<100	<100		5030.0	294.0	159.0		239.0	254.0		2590.0		<100	1430.0	345.0	405.0	824.0	619.0	456.0
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg	904.0	<100	<100		11100.0	555.0	245.0		409.0	290.0		2480.0		<100	2510.0	724.0	757.0	1680.0	1320.0	644.0
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg	1990.0	<100	264.0		22300.0	1580.0	329.0		574.0	596.0		10300.0		207.0	15600.0	3380.0	1280.0	3600.0	2770.0	1760.0
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg	338.0	<100	120.0		5240.0	258.0	127.0		175.0	147.0		1990.0		<100	941.0	272.0	233.0	595.0	493.0	562.0
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg	<60	<100	<100		381.0	<120	<100		38.5	<100		172.0		<100	2750.0	<200	314.0	164.0	<100	<100
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg	700.0	<100	144.0		9120.0	637.0	188.0		278.0	284.0		3160.0		<100	2380.0	680.0	514.0	1320.0	1040.0	714.0
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg	538.0	<100	120.0		11500.0	648.0	278.0		411.0	302.0		3670.0		<100	1920.0	460.0	486.0	1250.0	934.0	749.0
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg	<115	<100	<100		1580.0	<230	<100		91.7	<100		614.0		<100	299.0	<115	<230	204.0	<100	<100
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg	668.0	<100	144.0		11200.0	471.0	205.0		269.0	328.0		4100.0		<100	2600.0	640.0	416.0	1210.0	956.0	866.0
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg	135.0	<100	<100		600.0	118.0	<100		22.7	<100		1180.0		159.0	2610.0	4890.0	306.0	250.0	683.0	211.0
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg	1260.0	<100	132.0		8160.0	1310.0	111.0		313.0	261.0		6410.0		183.0	15600.0	6920.0	1170.0	2520.0	1770.0	749.0
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg	151.0	<100	<100		726.0	<100	<100		36.4	<100		1240.0		<100	3090.0	3560.0	337.0	347.0	610.0	187.0
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg	<45	<100	<100		<90	<90	<100		29.8	<100		202.0		<100	111.0	1430.0	526.0	91.4	245.0	269.0
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg												<0.5				<0.5				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.0	<0.015	<0.015	<0.015	0.4	0.4	<0.015	<0.015	<0.015
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	0.0	0.0	<0.05	<0.01	<0.01	<0.01
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected	Trace	Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Detected	Detected	Not Detected	Not Detected
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg		0.1					<0.02			<0.02										
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg		<0.02					<0.02			<0.02										
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg		<0.02					<0.02			<0.02										
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200	<10	<100		<10	<10	<10
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g										<0.00055										
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g										<0.0015										
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<50					<1000			<500										

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP258	AEC18-LF-TP258	AEC18-LF-TP259	AEC18-LF-TP259	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP261	AEC18-LF-TP261	AEC18-LF-TP262	AEC18-LF-TP262	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP264
					Sample Top	0.20	2.00	4.40	0.40	1.50	0.30	3.60	0.50	2.50	4.30	0.20	5.50	2.50	5.70	1.50	3.50	5.55	2.00	4.00	4.50
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	1	3	6	1	2	1	4	1	3	5	1	6	3	6	2	4	6	3	5	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
															8.5										
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g										<0.062										
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g										4.0										
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g										<0.1										
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g										<0.0043										
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg		<0.01					<0.01			<0.01										
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g										<0.018										
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g										1.2										
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g										<0.015										
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g										<0.0015										
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g										0.0										
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g										<0.00066										
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g										<0.0024										
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<50					<1000			<500										
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g										0.5										
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g										<0.012										
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g										<0.0019										
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g										<0.0019										
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g										<0.002										
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g										<0.013										
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g										<0.0015										
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g										<0.002										
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g										0.1										
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g										<0.012										
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g										0.3										
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g										<0.013										
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g										<0.002										
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<50					<1000			<500										
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g										<0.002										
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g										0.2										
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg		<0.01					<0.01			<0.01										
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg		<0.05					<0.05			<0.05										
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg		<40	<800				<40			<40		265.0				<40	2570.0		<40	<40
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg		<10	<10				<10			61.7		<10				<10	<10		<10	12.2
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10	<10				<10			31.5		<10				<10	<10		<10	<10
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10	45.6				<10			859.0		903.0				228.0	5080.0		84.9	159.0
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10	37.2				<10			9720.0		1590.0				192.0	3920.0		187.0	154.0
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg		438.0	3000.0				<100			<100		18800.0				19000.0	152000.0		6840.0	13100.0
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg		2930.0	9540.0				18000.0			11900.0		104000.0				91800.0	326000.0		40900.0	26800.0
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg		23600.0	40500.0				78400.0			108000.0		323000.0				416000.0	1270000.0		159000.0	77600.0
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg		20100.0	11400.0				20300.0			31500.0		72300.0				122000.0	610000.0		78300.0	25000.0
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10	15.6				<10			<10		16.0				14.8	33.9		12.3	24.4
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10	74.4				<10			54.2		221.0				133.0	1020.0		39.4	109.0
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10	69.6				<10			1290.0		1350.0				341.0	7620.0		117.0	210.0
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10	55.2				<10			14600.0		2380.0				289.0	5880.0		279.0	231.0
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<100	11400.0				<100			<100		24500.0				7420.0	72400.0		8400.0	19200.0
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg		3330.0	12500.0				<100			14600.0		106000.0				50700.0	450000.0		25000.0	25500.0
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg		26300.0	20200.0				14200.0			85700.0		438000.0				726000.0	2910000.0		167000.0	71200.0
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg		14500.0	2600.0				<100			18500.0		53700.0				106000.0	678000.0		67100.0	14100.0
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg												<0.3					<0.3			
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg												83.0					183.0			
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg												7.2					<5			
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg												<0.1					<0.1			
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg												<0.6					1.0			
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg												<0.19					<0.19			
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg												34.8					59.9			
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg												0.3					0.3			
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg												111.0					340.0			
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg												77.2					178.0			
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg												425.0					544.0			
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg												76.5					242.0			
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg												0.3					0.9			
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100			346.0			<100	<100
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100			<200			<100	<100

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP257	AEC18-LF-TP258	AEC18-LF-TP258	AEC18-LF-TP259	AEC18-LF-TP259	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP260	AEC18-LF-TP261	AEC18-LF-TP261	AEC18-LF-TP262	AEC18-LF-TP262	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP263	AEC18-LF-TP264	AEC18-LF-TP264	AEC18-LF-TP264
					Sample Top	0.20	2.00	4.40	0.40	1.50	0.30	3.60	0.50	2.50	4.30	0.20	5.50	2.50	5.70	1.50	3.50	5.55	2.00	4.00	4.50
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	TS	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF
					Sample Ref	1	3	6	1	2	1	4	1	3	5	1	6	3	6	2	4	6	3	5	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		1040.0			<100	<100
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		817.0			<100	<100
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<100	<100				<100			<100		<100		<100		<200			<100	<100
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10	<200				<10			<10		<10		<200		<100			<10	<10
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP264	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP268	AEC18-LF-TP268A	AEC18-LF-TP268A	AEC18-LF-TP269	AEC18-LF-TP269	AEC18-LF-TP269	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP273
					Sample Top	5.70	0.40	3.50	5.60	1.00	2.70	5.60	0.50	1.50	5.40	0.20	3.50	5.40	2.50	3.50	5.60	1.50	3.50	4.50	0.20
					Lookup soil	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	8	1	4	6	2	4	7	2	2	6	1	4	6	3	4	8	2	4	5	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																				
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																				
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																				
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																				
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																				
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																				
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																				
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1	<1	<1	2.1	<1	<1	2.0	<1	<0.5	<1	<1	4.7	1.2	<1	1.9	1.8	<1	<1	<1	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																				
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	64.6	55.3	29.4	110.0	60.4	143.0	60.1	59.2	0.0	180.0	16.0	71.4	57.3	68.6	114.0	106.0	29.0	35.9	56.0	32.2
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	0.6	<0.14	<0.0001	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	17.1	29.1	10.4	54.1	22.3	24.6	29.2	29.6	0.1	48.5	16.8	10.0	43.1	16.8	22.3	38.7	18.1	31.4	23.5	18.2
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	<0.6	<0.6	<0.6	8.7	<0.6	<0.6	<0.6	<0.6	0.1	3.0	<0.6	<0.6	1.7	<0.6	<0.6	<0.6	<0.6	<0.6	0.7	<0.6
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	10.5	17.4	6.4	20.4	12.4	15.2	12.2	31.9	0.0	11.1	8.9	8.9	19.3	15.0	15.3	21.8	10.4	13.1	10.6	13.8
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	0.8	1.3	0.3	0.8	1.1	0.7	1.0	0.7	<0.001	0.4	0.6	0.6	1.2	1.0	0.6	1.0	0.9	1.5	1.0	3.8
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	3.2	<1	1.3	2.2	<1	3.9	1.8	<1	1.7	5.7	<1	8.6	2.4	<1	1.8	1.9	<1	1.0	1.3	<1
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.4	<0.02	0.3	<0.02	<0.02	0.4	0.7	<0.02	<0.0008	22.7	0.1	0.7	0.5	0.2	0.3	1.2	0.2	0.2	0.8	0.1
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	18.5	13.1	8.8	876.0	20.0	16.0	31.0	9.1	0.1	38.2	11.0	6.7	25.9	12.9	9.6	20.5	16.7	23.2	14.4	24.1
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	42.3	23.8	35.8	124.0	34.6	43.2	135.0	23.5	0.0	1900.0	23.6	52.2	48.2	41.0	150.0	105.0	17.9	28.1	32.8	14.5
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	31.0	44.9	12.6	29.2	38.0	28.0	36.1	62.4	0.0	20.7	26.4	20.2	46.3	35.4	29.5	39.4	37.8	50.9	25.8	58.8
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	175.0	108.0	94.3	226.0	84.4	669.0	283.0	140.0	0.1	479.0	70.3	188.0	1100.0	130.0	401.0	109.0	56.2	82.2	200.0	91.7
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																				
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																				
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																				
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																				
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	0.6	<0.035	0.1	<0.035	<0.035	<0.035	0.8	<0.035	<0.035	1.4	<0.035	0.4	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	8.0	8.4	7.6	7.1	8.3	7.8	8.2	8.0	7.9	8.2	8.2	7.5	7.6	8.1	7.7	7.5	8.0	8.0	7.6	8.1
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP264	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP268	AEC18-LF-TP268A	AEC18-LF-TP268A	AEC18-LF-TP269	AEC18-LF-TP269	AEC18-LF-TP269	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP273
					Sample Top	5.70	0.40	3.50	5.60	1.00	2.70	5.60	0.50	1.50	5.40	0.20	3.50	5.40	2.50	3.50	5.60	1.50	3.50	4.50	0.20
					Lookup soil	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	8	1	4	6	2	4	7	2	2	6	1	4	6	3	4	8	2	4	5	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	0.5	<0.01	<0.01	<0.01	<0.01	0.0	0.1	<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																				
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP264	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP268	AEC18-LF-TP268A	AEC18-LF-TP268A	AEC18-LF-TP269	AEC18-LF-TP269	AEC18-LF-TP269	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP273
					Sample Top	5.70	0.40	3.50	5.60	1.00	2.70	5.60	0.50	1.50	5.40	0.20	3.50	5.40	2.50	3.50	5.60	1.50	3.50	4.50	0.20
					Lookup soil	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	8	1	4	6	2	4	7	2	2	6	1	4	6	3	4	8	2	4	5	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg						<0.6			<0.3							<0.6				
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg									<0.5							<1				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg									<0.5							1.8				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg	5.3		<4	<4		<40	<4	2330.0		95.7	<4	<4	<4	<4	<4	<40		<4	<80	
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg	<10			<10		<100		<2000		34.7			<10			<100			<200	
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg	<11			<11		<110		<2200		<11			<11			<110			<220	
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg	<100			<100		<100		<1000		3540.0			<100			<500			<100	
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<50			<100	
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg	<5			<5		<50		<1000		<5			<5			<50			<100	
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg	20.9			39.5		<80		4310.0		249.0			21.9			<80			<160	
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg	<7		<7	<7		<70	<7	2580.0		<7	<7	<7	<7	<7	<7	<70		<7	<140	
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg	<5			<5		<50		7240.0		<5			<5			<50			<100	
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg	162.0			<100		298.0		<1000		201.0			266.0			9890.0			<100	
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			35200.0			<100	
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<200			<100	
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg	<5			<5		<50		<1000		<5			<5			<50			<100	
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg	<100			<100		<100		<1000		290.0			<100			<500			<100	
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg	325.0			<100		<100		<1000		<100			<100			<500			<100	
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg	<10			17.0		<100		<2000		50.9			<10			<100			<200	
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<7			<7		<70		<1400		<7			<7			<70			<140	
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg	<6			<6		<60		<1200		<6			<6			<60			<120	
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg	<8			<8		<80		<1600		<8			<8			<80			<160	
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg	<9		<9	<9		<90	<9	<1800		<9	<9	<9	<9	<9	<9	<90		<9	<180	

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP264	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP268	AEC18-LF-TP268A	AEC18-LF-TP268A	AEC18-LF-TP269	AEC18-LF-TP269	AEC18-LF-TP269	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP273
					Sample Top	5.70	0.40	3.50	5.60	1.00	2.70	5.60	0.50	1.50	5.40	0.20	3.50	5.40	2.50	3.50	5.60	1.50	3.50	4.50	0.20
					Lookup soil	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	8	1	4	6	2	4	7	2	2	6	1	4	6	3	4	8	2	4	5	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg	<7			<7		<70		<1400		<7			<7			<70			<140	
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg									2.1											
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg	<7			<7		<70		<1400		<7			<7			<70			<140	
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg	<9			<9		<90		<1800		<9			<9			<90			<180	
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg	<6			<6		<60		<1200		<6			<6			<60			<120	
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg	<10			166.0		<100		<2000		29.1			47.3			<100			<200	
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg	33.5			23.6		<70		<1400		31.0			29.6			<70			<140	
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg	<7			<7		<70		<1400		<7			<7			<70			<140	
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg	<8			<8		<80		<1600		<8			<8			<80			<160	
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg	<6			<6		<60		<1200		<6			<6			<60			<120	
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg	<6			<6		<60		<1200		<6			<6			<60			<120	
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg	<9			<9		<90		<1800		<9			<9			<90			<180	
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg	<100			<100		<100		<1000		552.0			<100			<500			<100	
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg	<100			<100		<100		<1000		242.0			<100			939.0			<100	
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg	534.0			<100		<100		<1000		<100			<100			<500			<100	
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg	<20			<20		<200		<4000		<20			<20			<200			<400	
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<200			<100	
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg	186.0			<100		<100		21000.0		343.0			<100			<500			<100	
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg	<10		<10	<10		<100	<10	2780.0		105.0	<10	<10	<10	<10	<10	<100		<10	<200	
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg	<9			<9		<90		<1800		<9			<9			<90			<180	
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg	<10			<10		<100		<1000		<10			<10			<100			<100	
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg	114.0			131.0		<90		14200.0		661.0			68.3			237.0			<180	
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg	<14			<14		<140		<2800		<14			<14			<140			<280	
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg	<16			<16		<160		<3200		<16			<16			<160			<320	
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg	<14			<14		<140		<2800		<14			<14			<140			<280	
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg	11.8			14.0		<50		<1000		27.7			<5			<50			<100	
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg	<10			<10		<100		<2000		227.0			<10			<100			<200	
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg	72.4		20.5	34.3		<100	37.2	5410.0		571.0	<10	151.0	21.5	<10	<10	<100		<10	<200	
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP264	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP268	AEC18-LF-TP268A	AEC18-LF-TP268A	AEC18-LF-TP269	AEC18-LF-TP269	AEC18-LF-TP269	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP273
					Sample Top	5.70	0.40	3.50	5.60	1.00	2.70	5.60	0.50	1.50	5.40	0.20	3.50	5.40	2.50	3.50	5.60	1.50	3.50	4.50	0.20
					Lookup soil	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	8	1	4	6	2	4	7	2	2	6	1	4	6	3	4	8	2	4	5	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP264	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP268	AEC18-LF-TP268A	AEC18-LF-TP268A	AEC18-LF-TP269	AEC18-LF-TP269	AEC18-LF-TP269	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP273
					Sample Top	5.70	0.40	3.50	5.60	1.00	2.70	5.60	0.50	1.50	5.40	0.20	3.50	5.40	2.50	3.50	5.60	1.50	3.50	4.50	0.20
					Lookup soil	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	8	1	4	6	2	4	7	2	2	6	1	4	6	3	4	8	2	4	5	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg	1550.0		73.6	306.0		<100	280.0	399.0		<100	25.6	<160	<100	247.0	1950.0	<500		97.9	<100	
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg	7310.0		269.0	1440.0		201.0	1240.0	1150.0		350.0	259.0	710.0	265.0	2190.0	9700.0	1760.0		368.0	187.0	
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg	1830.0		78.2	429.0		<100	352.0	<240		<100	108.0	<240	<100	1310.0	2580.0	769.0		93.6	140.0	
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg	2320.0		85.1	660.0		<100	362.0	230.0		<100	79.1	<180	<100	1160.0	2230.0	830.0		81.0	129.0	
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg	2560.0		166.0	549.0		147.0	803.0	289.0		<100	193.0	392.0	<100	2790.0	6160.0	842.0		247.0	152.0	
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg	9650.0		323.0	1520.0		159.0	1450.0	1430.0		451.0	245.0	751.0	310.0	2320.0	11700.0	2230.0		445.0	187.0	
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg	2670.0		53.0	652.0		130.0	293.0	<140		<100	77.5	<140	<100	920.0	2060.0	720.0		78.3	117.0	
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg	325.0		99.0	<100		<100	<60	<1000		<100	13.5	<120	<100	81.8	104.0	<500		<12	<100	
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg	2990.0		123.0	824.0		124.0	607.0	407.0		185.0	116.0	292.0	<100	1040.0	3410.0	1000.0		149.0	117.0	
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg	3340.0		106.0	765.0		141.0	540.0	396.0		135.0	125.0	269.0	<100	2110.0	4550.0	1010.0		146.0	117.0	
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg	360.0		<23	<100		<100	<115	<1000		<100	<23	<230	<100	256.0	520.0	<500		<23	<100	
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg	4050.0		111.0	676.0		<100	582.0	511.0		204.0	113.0	226.0	<100	1440.0	4650.0	1170.0		153.0	117.0	
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg	325.0		102.0	201.0		<100	787.0	<1000		<100	<8	<80	<100	60.2	691.0	<500		134.0	<100	
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg	6480.0		236.0	1090.0		<100	1010.0	2400.0		467.0	61.5	458.0	227.0	558.0	5830.0	1010.0		323.0	115.0	
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg	626.0		83.7	276.0		<100	626.0	498.0		<100	<10	<100	<100	48.3	599.0	<500		97.3	<100	
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg	203.0		26.8	<100		<100	566.0	604.0		232.0	<9	223.0	<100	18.0	43.5	<130		<9	<100	
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg									<0.5							<1				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	0.1	<0.015	0.1	<0.015	<0.015	<0.015	0.2	<0.015	<0.015	0.2	<0.015	0.2	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.075
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	0.0	<0.01	0.0	<0.01	<0.01	<0.01	0.6	<0.01	0.0	1.1	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units	Detected	Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<10		<10	<10		<100		<2000		<10			<10	<10		<100		<10	<200	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP264	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP268	AEC18-LF-TP268A	AEC18-LF-TP268A	AEC18-LF-TP269	AEC18-LF-TP269	AEC18-LF-TP269	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP273
					Sample Top	5.70	0.40	3.50	5.60	1.00	2.70	5.60	0.50	1.50	5.40	0.20	3.50	5.40	2.50	3.50	5.60	1.50	3.50	4.50	0.20
					Lookup soil	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	8	1	4	6	2	4	7	2	2	6	1	4	6	3	4	8	2	4	5	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg			<40	<40		<400		13100.0		772.0			<40	<40		<400		<40	<800	
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg			<10	<10		<10		<200		<10			<10	<10		<10		<10	<10	
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<10	<10		<10		1660.0		12.5			<10	<10		<10		<10	<10	
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg			360.0	1070.0		288.0		109000.0		2260.0			386.0	<10		155.0		308.0	214.0	
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg			487.0	1530.0		266.0		128000.0		2620.0			391.0	<10		361.0		355.0	309.0	
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<100	36100.0		8060.0		380000.0		20200.0			<100	6290.0		30800.0		520.0	1960.0	
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg			10100.0	453000.0		79500.0		1480000.0		107000.0			6720.0	69300.0		248000.0		3460.0	11200.0	
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg			56000.0	1260000.0		291000.0		5970000.0		472000.0			72500.0	413000.0		438000.0		13100.0	40600.0	
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg			6010.0	287000.0		59100.0		2790000.0		80400.0			3500.0	166000.0		77600.0		2080.0	12500.0	
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<10	41.8		26.4		3330.0		29.6			34.8	<10		<10		21.9	16.4	
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg			87.8	248.0		163.0		42300.0		235.0			146.0	<10		15.9		134.0	72.5	
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg			541.0	1600.0		431.0		163000.0		3390.0			578.0	<10		233.0		462.0	321.0	
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg			730.0	2300.0		400.0		191000.0		3920.0			586.0	<10		543.0		531.0	463.0	
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg			34400.0	173000.0		17200.0		2590000.0		120000.0			1150.0	10400.0		113000.0		1330.0	1560.0	
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg			165000.0	1130000.0		74600.0		7140000.0		511000.0			15200.0	34200.0		520000.0		2070.0	5060.0	
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg			506000.0	2650000.0		229000.0		20200000.0		707000.0			188000.0	121000.0		977000.0		304.0	27200.0	
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg			55000.0	348000.0		39400.0		4840000.0		81000.0			19500.0	47500.0		112000.0		<100	3670.0	
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg									<0.3											
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg									84.0											
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg									<5											
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg									<0.1											
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg									<0.6											
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg									<0.19											
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg									30.8											
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg									0.2											
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg									67.9											
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg									94.5											
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg									433.0											
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg									51.7											
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg									0.4											
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP264	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP265	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP267	AEC18-LF-TP268	AEC18-LF-TP268A	AEC18-LF-TP268A	AEC18-LF-TP269	AEC18-LF-TP269	AEC18-LF-TP269	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP270	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP272	AEC18-LF-TP273
					Sample Top	5.70	0.40	3.50	5.60	1.00	2.70	5.60	0.50	1.50	5.40	0.20	3.50	5.40	2.50	3.50	5.60	1.50	3.50	4.50	0.20
					Lookup soil	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	8	1	4	6	2	4	7	2	2	6	1	4	6	3	4	8	2	4	5	1
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<100			<100		<100		<1000		<100			<100			<500			<100	
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<10			<10		<100		<2000		<10			<10			<100			<200	
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP273	AEC18-LF-TP273	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-WS201	AEC18-LF-WS201	AEC18-LF-WS203	AEC18-LF-WS203	AEC18-LF-WS204	AEC18-LF-WS205A	AEC18-LF-WS205A
					Sample Top	3.50	6.00	0.20	2.50	4.50	5.40	1.50	3.50	5.40	1.50	3.50	4.50	5.60	0.90	2.90	0.20	4.00	1.00	0.80	3.20
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref	4	6	1	3	5	6	2	4	6	2	4	5	6	2	4	1	7	2	3	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																				
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																				
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																				
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																				
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																				
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																				
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																				
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	1.2	<1	<1	45.1	<1	6.8	<1	<1	1.6	<1	8.9	2.9	<1	<1	<1	<0.5	6.6	<1	<1	3.6
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																				
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	238.0	57.5	18.9	348.0	1.9	57.4	35.3	224.0	350.0	28.8	140.0	1060.0	160.0	3.7	34.0	<0.002	172.0	45.4	100.0	49.3
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.14	<0.14	<0.14	<1.4	<0.14	<1.4	<0.14	<0.14	<0.14	<0.14	<0.14	<1.4	<0.14	<0.14	<0.14	<0.0001	0.1	<0.14	<0.14	0.3
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	297.0	39.4	33.2	1040.0	5.8	77.6	18.2	52.1	40.0	15.8	34.0	109.0	52.1	6.7	36.8	0.0	20.5	23.9	29.5	19.8
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	0.7	<0.6	<0.6	48.5	<0.6	<6	<0.6	3.7	21.3	<0.6	1.4	<6	<0.6	<0.6	<0.6	<0.01	5.4	<0.6	1.0	<0.6
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	34.6	16.1	8.1	20.0	1.0	20.6	15.4	55.7	18.7	12.2	16.8	24.8	17.2	2.0	24.0	0.0	12.3	13.9	14.0	8.9
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.2	1.6	1.6	0.8	0.1	0.7	0.8	1.8	2.2	0.7	1.5	0.7	1.3	0.2	1.1	<0.001	0.7	1.7	1.6	0.3
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	2.3	4.4	<1	11.7	<1	3.0	1.6	6.0	8.3	<1	1.3	4.2	2.8	<1	2.5	<0.1	4.0	<1	2.6	2.7
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.02	<0.02	0.2	3.5	0.1	3.9	<0.02	14.1	0.6	0.2	0.8	4.4	0.2	0.1	<0.02	<0.0008	0.6	0.2	0.6	0.3
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	45.1	26.4	16.2	479.0	3.2	32.5	14.5	35.1	21.7	16.6	20.5	53.9	7.9	3.8	11.1	0.1	17.9	18.9	21.6	7.7
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	440.0	49.4	27.6	287.0	4.1	39.7	16.8	82.1	91.1	32.1	99.8	270.0	66.9	5.3	22.3	0.0	109.0	40.0	43.7	42.7
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	44.4	51.0	34.0	30.1	2.8	29.6	34.1	50.5	41.6	31.0	39.2	19.6	32.0	7.5	40.1	<0.01	22.5	46.1	41.5	15.0
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	347.0	111.0	97.6	997.0	17.9	129.0	83.2	7650.0	348.0	104.0	283.0	1200.0	957.0	26.5	119.0	<0.01	220.0	91.9	202.0	181.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<10	<1	<10	<1	<1	<1	<1	<1	<10	<1	<1	<1	<0.01	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																				
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																				
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																				
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																				
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.035	<0.035	<0.035	12.6	0.1	1.1	<0.035	0.1	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035		<0.035	<0.035	0.1
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	7.6	8.0	8.1	8.2	8.7	8.1	8.1	7.8	8.4	8.1	7.8	7.4	7.4	8.7	8.0	7.7	8.1	8.1	8.1	7.9
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP273	AEC18-LF-TP273	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-WS201	AEC18-LF-WS201	AEC18-LF-WS203	AEC18-LF-WS203	AEC18-LF-WS204	AEC18-LF-WS205A	AEC18-LF-WS205A
					Sample Top	3.50	6.00	0.20	2.50	4.50	5.40	1.50	3.50	5.40	1.50	3.50	4.50	5.60	0.90	2.90	0.20	4.00	1.00	0.80	3.20
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref	4	6	1	3	5	6	2	4	6	2	4	5	6	2	4	1	7	2	3	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																				
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																				
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	0.0
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																				
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																				
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																				
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																				
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																				
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg						<0.01														
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																				
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																				
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																				
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																				
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																				
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																				
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																				
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																				
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																				
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																				
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																				
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																				
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg						<0.01														
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP273	AEC18-LF-TP273	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-WS201	AEC18-LF-WS201	AEC18-LF-WS203	AEC18-LF-WS203	AEC18-LF-WS204	AEC18-LF-WS205A	AEC18-LF-WS205A
					Sample Top	3.50	6.00	0.20	2.50	4.50	5.40	1.50	3.50	5.40	1.50	3.50	4.50	5.60	0.90	2.90	0.20	4.00	1.00	0.80	3.20
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref	4	6	1	3	5	6	2	4	6	2	4	5	6	2	4	1	7	2	3	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg				<0.6					<0.6							<0.3				
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg				<1												<0.5				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg				59.9												<0.5				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg				<200	<100			<100	<100		<100									
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg	<4	<4		4110.0	<4	<4		<4	36.6		<40		<4		<4		6.8			94.8
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg				<200	<10			<10	<10		<100									
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100									
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100									
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg				692.0	<10			<10	108.0		<100									
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg				1160.0	<11			<11	564.0		<110									
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg				<200	<100			<100	<100		<100									
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100									
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg				<200	<100			<100	<100		<100									
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg				<200	<100			<100	<100		<100									
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100									
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg				<100	<5			<5	<5		<50									
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg				7390.0	<8			17.2	1050.0		<80									
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100									
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg	<7	<7		4400.0	<7	<7		<7	<7		<70		<7		<7		<7			10.8
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg				<100	<5			<5	<5		<50									
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg				<200	<100			<100	<100		<100									
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg				<200	<100			<100	<100		<100									
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg				<200	<100			<100	<100		<100									
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg				<200	<100			3080.0	<100		<100									
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg				<200	<100			<100	<100		<100									
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg				<200	<100	<1000		<100	<100		<100									
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg				<200	<100			<100	<100		<100									
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg				<200	<100			<100	<100		<100									
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg				<200	<100			<100	<100		<100									
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100									
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg				<100	<5			<5	<5		195.0									
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg				<200	<100			<100	<100		<100									
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg				<200	<100			<100	<100		<100									
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg				468.0	<10			<10	419.0		<100									
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg				<140	<7			<7	<7		<70									
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg				1340.0	<6			<6	<6		<60									
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100									
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg				<200	<100			<100	<100		<100									
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg				<160	<100			<100	<100		<100									
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100									
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg				<200	<10			<10	<10		<100									
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100									
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg				<200	<100			<100	<100		<100									
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg				<200	<100			<100	<100		<100									
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg				<200	<100			<100	<100		<100									
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100									
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg				<160	<8			<8	<8		<80									
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg				<200	<100			<100	<100		<100									
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg	<9	<9		370.0	<9	<9		<9	<9		<90		<9		<9		<9			<9

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP273	AEC18-LF-TP273	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-WS201	AEC18-LF-WS201	AEC18-LF-WS203	AEC18-LF-WS203	AEC18-LF-WS204	AEC18-LF-WS205A	AEC18-LF-WS205A
					Sample Top	3.50	6.00	0.20	2.50	4.50	5.40	1.50	3.50	5.40	1.50	3.50	4.50	5.60	0.90	2.90	0.20	4.00	1.00	0.80	3.20
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref	4	6	1	3	5	6	2	4	6	2	4	5	6	2	4	1	7	2	3	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg				<140	<7			<7	<7		<70									
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg																0.1				
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100									
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg				<140	<7			<7	<7		<70									
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg				<180	<9			<9	<9		<90									
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100									
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100									
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg				<120	<6			<6	<6		<60									
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg				<200	<10			43.9	93.3		<100									
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg				388.0	<7			24.2	39.3		<70									
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100									
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg				<140	<7			<7	<7		<70									
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg				386.0	<8			<8	<8		<80									
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100									
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg				<120	<6			<6	<6		<60									
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg				<120	<6			<6	<6		<60									
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg				<200	<100			<100	<100		<100									
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg				<200	<100			<100	<100		<100									
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100									
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100									
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg				240.0	<9			<9	<9		<90									
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg				<200	<10			<10	<10		<100									
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg				<200	<100			<100	<100		<100									
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg				4080.0	<100			428.0	<100		222.0									
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg				14900.0	<100			<100	<100		<100									
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg				<200	<100			<100	<100		<100									
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg				<400	<20			<20	<20		<200									
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg				<200	<100			<100	<100		<100									
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg				<200	<100			<100	<100		<100									
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg				<200	<100			<100	<100		<100									
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg				<200	<100			<100	<100		<100									
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg				7960.0	<100			<100	<100		<100									
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg				<200	<100			<100	<100		<100									
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg	<10	<10		5630.0	<10	<10		<10	112.0		<100		<10		<10		<10			45.0
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg				<200	<100			<100	<100		<100									
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg				<180	<9			<9	<9		<90									
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg				<200	<10			<10	<10		<100									
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg				<200	<100			<100	<100		<100									
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg				13100.0	<9			48.4	3080.0		<90									
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg				<200	<100			<100	<100		<100									
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg				<280	<14			<14	<14		<140									
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg				<320	<16			<16	<16		<160									
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg				<280	<14			<14	<14		<140									
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg				372.0	<5			<5	51.7		<50									
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg				<200	<100			<100	<100		<100									
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg				912.0	<10			<10	434.0		<100									
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg	<10	<10		14700.0	<10	<10		<10	181.0		<100		<10		<10		153.0			373.0
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg						<1000														
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg						<1000														
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg						<1000														
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg						<0.01														
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg						<1000														
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg						<1000														
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg						<0.01														
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg						<1000														
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP273	AEC18-LF-TP273	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-WS201	AEC18-LF-WS201	AEC18-LF-WS203	AEC18-LF-WS203	AEC18-LF-WS204	AEC18-LF-WS205A	AEC18-LF-WS205A
					Sample Top	3.50	6.00	0.20	2.50	4.50	5.40	1.50	3.50	5.40	1.50	3.50	4.50	5.60	0.90	2.90	0.20	4.00	1.00	0.80	3.20
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref	4	6	1	3	5	6	2	4	6	2	4	5	6	2	4	1	7	2	3	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg						<0.01														
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg						<0.01														
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg						<1000														
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg						<0.01														
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg						<1000														
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg						<1000														
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg						<1000														
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg						<1000														
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg						<0.01														
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg						<1000														
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg						<1000														
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg						<1000														
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg						<1000														
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg						<1000														
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg						<1000														
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<1000														
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg						<1000														
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<1000														
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg						<1000														
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<1000														
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<1000														
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg						<1000														
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg						<1000														
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg						<1000														
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg						<1000														
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg						<0.01														
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg						<1000														
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg						<1000														
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg						<1000														
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg						<1000														
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<1000														
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<1000														
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<1000														
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg						<1000														
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg						<0.01														
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg						<1000														
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg						<1000														
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg						<1000														
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP273	AEC18-LF-TP273	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-WS201	AEC18-LF-WS201	AEC18-LF-WS203	AEC18-LF-WS203	AEC18-LF-WS204	AEC18-LF-WS205A	AEC18-LF-WS205A
					Sample Top	3.50	6.00	0.20	2.50	4.50	5.40	1.50	3.50	5.40	1.50	3.50	4.50	5.60	0.90	2.90	0.20	4.00	1.00	0.80	3.20
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref	4	6	1	3	5	6	2	4	6	2	4	5	6	2	4	1	7	2	3	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<1000														
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg						<1000														
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<1000														
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg						<1000														
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg						<1000														
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<1000														
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg						<1000														
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg						<1000														
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<1000														
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg						<1000														
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg						<1000														
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg						<0.01														
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg						<1000														
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg						<1000														
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg						<0.01														
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg						<0.01														
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg						<0.01														
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg						<0.01														
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg						<0.01														
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg						<1000														
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg	75.9	<16		1480.0	<100	889.0		<100	<100		<100		1200.0		40.0		136.0			4240.0
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg	1150.0	137.0		3320.0	<100	4160.0		152.0	294.0		363.0		5540.0		196.0		488.0			10500.0
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg	1170.0	111.0		689.0	<100	1060.0		<100	<240		222.0		1810.0		88.6		102.0			1350.0
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg	917.0	119.0		492.0	<100	1050.0		<100	<180		229.0		1690.0		84.9		76.5			1610.0
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg	1950.0	188.0		812.0	<100	1770.0		<100	247.0		316.0		2780.0		164.0		145.0			3950.0
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg	1210.0	134.0		3160.0	<100	4670.0		138.0	363.0		351.0		6530.0		220.0		444.0			13000.0
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg	660.0	62.0		529.0	<100	606.0		<100	<140		137.0		1090.0		60.3		66.2			1110.0
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg	45.6	<12		431.0	<100	108.0		<100	<100		<100		361.0		21.1		<12			99.3
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg	880.0	90.0		1240.0	<100	1410.0		<100	143.0		224.0		2420.0		109.0		232.0			3760.0
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg	1350.0	137.0		750.0	<100	1550.0		<100	196.0		291.0		2450.0		113.0		132.0			2490.0
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg	270.0	<23		<200	<100	188.0		<100	<100		<100		294.0		<23		<23			287.0
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg	820.0	86.5		1180.0	<100	1590.0		<100	<140		239.0		2450.0		94.6		161.0			3610.0
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg	21.3	<8		1920.0	<100	995.0		<100	<100		<100		757.0		108.0		62.9			4200.0
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg	162.0	27.6		5230.0	<100	3380.0		<100	240.0		152.0		3710.0		216.0		624.0			13600.0
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg	13.6	<10		2260.0	<100	692.0		<100	<100		<10		503.0		102.0		120.0			3450.0
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg	<9	<9		6780.0	<100	476.0		<100	<100		<100		261.0		41.6		233.0			1450.0
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg				3.4												<0.5				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	<0.015	<0.015	<0.015	10.0	0.0	0.8	<0.015	0.0	0.0	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015		<0.015	<0.015	0.1
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	<0.01	<0.01	0.0	2.6	0.0	0.3	0.0	0.0	0.0	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01		<0.01	<0.01	0.0
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected					Not Detected	Not Detected	Not Detected					Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected					Not Detected	Not Detected	Not Detected					Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected					Not Detected	Not Detected	Not Detected					Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected					Not Detected	Not Detected	Not Detected					Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected					Not Detected	Not Detected	Not Detected					Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units		Not Detected					Not Detected	Not Detected	Not Detected					Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg						0.2														
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg						<0.02														
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg						<0.02														
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100		<10							
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g						<0.00052														
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg						<0.01														
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g						0.0														
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg						<1000														

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP273	AEC18-LF-TP273	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-WS201	AEC18-LF-WS201	AEC18-LF-WS203	AEC18-LF-WS203	AEC18-LF-WS204	AEC18-LF-WS205A	AEC18-LF-WS205A
					Sample Top	3.50	6.00	0.20	2.50	4.50	5.40	1.50	3.50	5.40	1.50	3.50	4.50	5.60	0.90	2.90	0.20	4.00	1.00	0.80	3.20
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref	4	6	1	3	5	6	2	4	6	2	4	5	6	2	4	1	7	2	3	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
											13.0														
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g						5.0														
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g						6.6														
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g						19.0														
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g						<0.015														
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg						<0.01														
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g						2.0														
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g						2.3														
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g						0.6														
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g						<0.0029														
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g						0.4														
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g						<0.0027														
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g						<0.0042														
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg						<1000														
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g						1.1														
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g						<0.0073														
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g						0.0														
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g						<0.0026														
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g						0.0														
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g						0.1														
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g						0.1														
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g						0.0														
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg						<0.01														
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g						0.4														
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g						0.2														
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g						0.4														
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g						0.2														
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g						0.0														
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg						<0.01														
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg						<1000														
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g						<0.0011														
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g						0.5														
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg						<0.01														
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg						<0.05														
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg				29200.0	<40			<40	331.0		<400		<40							
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg				<100	<10			<10	<50		<10		<10							
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg				<100	<10			<10	<50		<10		<10							
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg				38100.0	35.8			1070.0	5690.0		10.5		125.0							
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg				59300.0	52.5			1390.0	14400.0		<10		156.0							
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg				285000.0	<100			334.0	<100		1080.0		3530.0							
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg				968000.0	760.0			68100.0	33900.0		5250.0		16200.0							
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg				3450000.0	4350.0			195000.0	104000.0		44700.0		85800.0							
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg				503000.0	438.0			7780.0	4700.0		15400.0		34100.0							
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg				1090.0	10.2			29.0	76.1		<10		18.1							
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg				13500.0	39.7			92.5	273.0		21.1		60.6							
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg				57100.0	52.5			1600.0	8530.0		15.2		188.0							
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg				88900.0	79.4			2080.0	21700.0		11.7		233.0							
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg				599000.0	<100			31900.0	18800.0		<100		4430.0							
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg				2890000.0	2240.0			205000.0	94400.0		5290.0		14900.0							
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg				6900000.0	7430.0			575000.0	244000.0		46900.0		92400.0							
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg				743000.0	<100			57800.0	35900.0		8050.0		47200.0							
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																<0.3				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																<20				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																5.7				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																<0.1				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																<0.6				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																1.0				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																5.3				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																<0.03				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																6.0				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																15.7				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																298.0				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																<2				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																<0.03				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg				<200	<100			<100	<100		<100									
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg				<200	<100			<100	<100		<100									

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-TP273	AEC18-LF-TP273	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP274	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP275	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-TP276	AEC18-LF-WS201	AEC18-LF-WS201	AEC18-LF-WS203	AEC18-LF-WS203	AEC18-LF-WS204	AEC18-LF-WS205A	AEC18-LF-WS205A
					Sample Top	3.50	6.00	0.20	2.50	4.50	5.40	1.50	3.50	5.40	1.50	3.50	4.50	5.60	0.90	2.90	0.20	4.00	1.00	0.80	3.20
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref	4	6	1	3	5	6	2	4	6	2	4	5	6	2	4	1	7	2	3	6
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg				<200	<100			<100	<100		<100									
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg				<200	<100			<100	<100		<100									
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg				<200	<100			<100	<100		<100									
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg				<200	<100			<100	<100		<100									
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg				<200	<100			<100	<100		<100									
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg				<200	<10			<10	<10		<100									
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS206A	AEC18-LF-WS206A	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS208A	AEC18-LF-WS208A	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS211	AEC18-LF-WS211	AEC18-LF-WS212	AEC18-LF-WS212	AEC18-LF-WS213	AEC18-LF-WS213	AEC18-LF-WS214
					Sample Top	0.70	4.60	0.10	2.10	4.20	0.30	2.20	0.30	0.90	3.90	0.00	2.20	3.50	1.00	4.40	0.40	3.00	1.00	2.40	1.40
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	TS	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	TS	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	ZCL	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	2	5	1	3	5	1	3	1	2	4	1	4	6	2	6	1	3	2	4	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																				
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																				
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																				
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																				
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																				
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																				
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																				
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1	12.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	16.6	<1	<1	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																				
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	95.7	827.0	17.9	171.0	106.0	42.1	33.7	83.9	36.4	40.6	116.0	25.4	33.4	18.9	345.0	132.0	58.6	66.1	84.1	22.7
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	17.1	126.0	26.9	109.0	25.0	20.4	20.0	20.8	29.5	9.4	39.2	17.3	13.7	19.5	124.0	38.5	34.6	29.8	24.0	30.9
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	1.4	6.7	<0.6	1.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	3.7	<0.6	<0.6	<0.6	1.7	0.8	7.2	<0.6	<0.6	<0.6
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	9.2	6.2	18.2	16.0	16.2	12.3	15.5	15.1	13.5	7.5	24.4	17.5	11.5	20.3	13.4	18.8	10.1	29.5	12.6	22.7
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	0.7	0.3	0.8	0.6	1.8	1.1	0.4	1.1	1.2	0.4	2.0	0.8	0.5	0.8	2.1	1.6	0.8	1.2	0.8	1.4
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	1.7	3.7	<1	2.8	4.8	<1	1.6	<1	<1	<1	<1	1.4	1.6	<1	4.2	2.8	2.2	2.5	2.4	<1
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.2	0.4	0.0	2.9	0.5	0.1	<0.02	0.4	0.1	0.0	<0.02	<0.02	0.1	0.0	0.6	0.4	3.6	<0.02	0.3	0.2
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	13.0	146.0	19.1	14.5	22.7	17.2	3.4	11.0	17.8	8.5	20.3	25.6	24.5	11.0	31.5	18.4	16.0	5.4	67.8	31.5
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	59.3	53.2	18.9	66.7	65.4	28.5	16.5	30.6	22.9	7.5	44.2	15.9	14.3	17.7	57.0	92.1	30.3	418.0	39.2	19.4
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	30.6	12.9	49.4	18.4	51.6	41.4	39.2	30.9	38.4	27.5	50.7	61.9	46.3	35.1	49.2	45.1	26.9	65.5	33.3	50.1
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	163.0	828.0	77.6	168.0	198.0	111.0	147.0	185.0	114.0	2210.0	197.0	57.5	62.3	69.5	215.0	333.0	107.0	136.0	155.0	82.7
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.5
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																				
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																				
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																				
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																				
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.035		<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.1	<0.035	<0.035
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	8.0	8.1	8.3	8.1	7.5	8.5	9.8	8.4	8.5	9.9	8.3	8.0	8.2	8.5	7.8	7.3	8.3	9.1	7.9	8.2
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS206A	AEC18-LF-WS206A	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS208A	AEC18-LF-WS208A	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS211	AEC18-LF-WS211	AEC18-LF-WS212	AEC18-LF-WS212	AEC18-LF-WS213	AEC18-LF-WS213	AEC18-LF-WS214
					Sample Top	0.70	4.60	0.10	2.10	4.20	0.30	2.20	0.30	0.90	3.90	0.00	2.20	3.50	1.00	4.40	0.40	3.00	1.00	2.40	1.40
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	TS	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	TS	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	ZCL	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	2	5	1	3	5	1	3	1	2	4	1	4	6	2	6	1	3	2	4	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																			
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																			
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	0.0	<0.01	<0.01
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																			
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																			
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																			
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																			
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																			
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																			
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																			
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																			
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																			
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																			
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																			
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																			
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																			
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																			
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																			
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																			
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																			
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																			
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																			
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																			
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																			
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																			
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																			

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS206A	AEC18-LF-WS206A	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS208A	AEC18-LF-WS208A	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS211	AEC18-LF-WS211	AEC18-LF-WS212	AEC18-LF-WS212	AEC18-LF-WS213	AEC18-LF-WS213	AEC18-LF-WS214
					Sample Top	0.70	4.60	0.10	2.10	4.20	0.30	2.20	0.30	0.90	3.90	0.00	2.20	3.50	1.00	4.40	0.40	3.00	1.00	2.40	1.40
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	TS	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	TS	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	ZCL	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	2	5	1	3	5	1	3	1	2	4	1	4	6	2	6	1	3	2	4	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg							<0.6													
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg																	<1			
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg																	2.0			
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg		<1000													<200					
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg		12.4	<4		<4		<4			211.0		<4	<4		246.0					<4
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg		<10													<100					
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg		<10													<100					
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg		<10													<100					
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg		90.0													<100					
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg		<11													<110					
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg		<1000													<200					
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg		<10													<100					
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg		<1000													<200					
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg		29.6													<200					
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg		<10													<100					
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg		<5													<50					
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg		416.0													<80					
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg		<10													<100					
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg		<7	<7		<7		<7			<7		<7	<7		<70					<7
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg		<5													<50					
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg		2430.0													<200					
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg		<1000													<200					
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg		<1000													<200					
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg		707000.0													1290.0					
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg		<1000													282.0					
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg		<1000					<50								<200					
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg		<1000													<200					
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg		<1000													<200					
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg		<1000													<200					
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg		<10													<100					
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg		<5													<50					
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg		<1000													<200					
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg		<1000													3930.0					
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg		16.4													<100					
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<7													<70					
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg		<6													<60					
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg		<10													<100					
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg		<1000													<200					
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg		<1000													<200					
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg		<10													<100					
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg		<10													<100					
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<10													<100					
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg		<1000													<200					
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg		<1000													<200					
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg		<1000													<200					
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg		<10													<100					
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg		<8													<80					
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg		<1000													<200					
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg		<9	<9		<9		<9			<9		<9	<9		<90					<9

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS206A	AEC18-LF-WS206A	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS208A	AEC18-LF-WS208A	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS211	AEC18-LF-WS211	AEC18-LF-WS212	AEC18-LF-WS212	AEC18-LF-WS213	AEC18-LF-WS213	AEC18-LF-WS214
					Sample Top	0.70	4.60	0.10	2.10	4.20	0.30	2.20	0.30	0.90	3.90	0.00	2.20	3.50	1.00	4.40	0.40	3.00	1.00	2.40	1.40
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	TS	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	TS	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	ZCL	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	2	5	1	3	5	1	3	1	2	4	1	4	6	2	6	1	3	2	4	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg		<7													<70					
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg																				
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg		<10													<100					
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg		<7													<70					
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg		<9													<90					
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg		<10													<100					
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg		<10													<100					
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg		<6													<60					
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg		<10													<100					
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg		23.5													<70					
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg		<10													<100					
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg		<7													<70					
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg		<8													<80					
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg		<10													<100					
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg		<6													<60					
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg		<6													<60					
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg		<1000													<200					
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg		<1000													<200					
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg		<10													<100					
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg		<10													<100					
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg		<9													<90					
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg		<10													<100					
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg		<1000													<200					
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg		37800.0													<200					
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg		<1000													<200					
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg		<1000													1240.0					
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg		<20													<200					
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg		<1000													<200					
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg		<1000													<200					
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg		<1000													<200					
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg		<1000													<200					
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg		1980.0													1640.0					
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg		<1000													<200					
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg		<10	<10		<10			<10			19.5		<10	<10	125.0					<10
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg		<1000													<200					
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg		<9													<90					
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg		<10													<100					
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg		<1000													<200					
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg		1610.0													<90					
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg		<1000													<200					
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg		<14													<140					
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg		<16													<160					
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg		<14													<140					
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg		32.2													<50					
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg		<1000													<200					
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg		<10													<100					
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg		4420.0	<10		<10			<10			389.0		<10	<10	1130.0					<10
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg							<50													
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg							<50													
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg							<50													
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg							<50													
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg							<50													
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg							<50													
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS206A	AEC18-LF-WS206A	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS208A	AEC18-LF-WS208A	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS211	AEC18-LF-WS211	AEC18-LF-WS212	AEC18-LF-WS212	AEC18-LF-WS213	AEC18-LF-WS213	AEC18-LF-WS214
					Sample Top	0.70	4.60	0.10	2.10	4.20	0.30	2.20	0.30	0.90	3.90	0.00	2.20	3.50	1.00	4.40	0.40	3.00	1.00	2.40	1.40
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	TS	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	TS	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	ZCL	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	2	5	1	3	5	1	3	1	2	4	1	4	6	2	6	1	3	2	4	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg							<50													
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg							<50													
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg							<50													
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg							<50													
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg							<50													
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg							<50													
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg							<50													
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg							<50													
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg							<50													
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg							<50													
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg							<50													
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50													
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg							<50													
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50													
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg							<50													
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50													
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50													
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg							<50													
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg							<50													
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg							<50													
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg							<50													
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg							<50													
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg							<50													
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg							<50													
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg							<50													
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50													
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50													
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50													
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg							<50													
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg							<50													
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg							<50													
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg							<50													
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS206A	AEC18-LF-WS206A	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS208A	AEC18-LF-WS208A	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS211	AEC18-LF-WS211	AEC18-LF-WS212	AEC18-LF-WS212	AEC18-LF-WS213	AEC18-LF-WS213	AEC18-LF-WS214
					Sample Top	0.70	4.60	0.10	2.10	4.20	0.30	2.20	0.30	0.90	3.90	0.00	2.20	3.50	1.00	4.40	0.40	3.00	1.00	2.40	1.40
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	TS	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	TS	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	ZCL	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	2	5	1	3	5	1	3	1	2	4	1	4	6	2	6	1	3	2	4	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50													
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg							<50													
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50													
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg							<50													
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg							<50													
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50													
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg							<50													
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg							<50													
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50													
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg							<50													
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg							<50													
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg							<50													
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg							<50													
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg							<50													
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg		<1000	<16		<16		264.0			507.0		<16	59.8		3090.0					<16
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg		<1000	48.4		113.0		541.0			2110.0		151.0	509.0		14800.0					<15
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg		<1000	<24		74.4		85.2			441.0		35.8	204.0		2250.0					<24
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg		<1000	24.7		63.3		82.7			344.0		32.5	195.0		2750.0					<18
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg		<1000	41.8		74.8		184.0			866.0		71.1	427.0		5780.0					<15
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg		<1000	53.3		115.0		722.0			2680.0		187.0	585.0		19100.0					<17
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg		<1000	<14		34.4		73.4			317.0		33.7	140.0		1590.0					<14
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg		<1000	<12		<12		18.9			76.0		<12	30.7		<200					<12
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg		<1000	25.0		64.8		181.0			625.0		57.2	276.0		4930.0					<10
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg		<1000	31.3		70.9		127.0			674.0		51.0	287.0		3930.0					<15
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg		<1000	<23		<23		<23			91.0		<23	43.3		498.0					<23
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg		<1000	27.1		62.8		164.0			803.0		53.2	265.0		4970.0					<14
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg		<1000	<8		<8		523.0			2080.0		52.5	45.2		5310.0					<8
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg		1040.0	<15		30.0		604.0			2420.0		48.0	216.0		19300.0					<15
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg		<1000	<10		<10		481.0			1080.0		31.9	33.6		5700.0					<10
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg		33.3	<9		<9		58.7			1020.0		<9	18.7		714.0					<9
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg																	<1			
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	<0.015		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.075	<0.015	<0.015	0.0	<0.015	<0.015
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	<0.01		0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	0.0	0.1	<0.01	<0.01
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Trace	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Detected	Not Detected	Not Detected
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Trace	Not Detected	Not Detected	Not Detected	Not Detected
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg							<0.02													
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg							<0.02													
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg							<0.02													
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10										<10	<10		<100					
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<50													

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS206A	AEC18-LF-WS206A	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS208A	AEC18-LF-WS208A	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS211	AEC18-LF-WS211	AEC18-LF-WS212	AEC18-LF-WS212	AEC18-LF-WS213	AEC18-LF-WS213	AEC18-LF-WS214
					Sample Top	0.70	4.60	0.10	2.10	4.20	0.30	2.20	0.30	0.90	3.90	0.00	2.20	3.50	1.00	4.40	0.40	3.00	1.00	2.40	1.40
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	TS	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	TS	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	ZCL	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	2	5	1	3	5	1	3	1	2	4	1	4	6	2	6	1	3	2	4	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<50													
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg							<50													
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg							<0.05													
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg		4440.0										<40	<40		1500.0					
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg		<10										<10	<10		<10					
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10										<10	<10		27.6					
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg		9040.0										17.7	16.2		1950.0					
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg		1400.0										24.8	15.1		1400.0					
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg		19200.0										<100	<100		44600.0					
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg		143000.0										1950.0	1270.0		132000.0					
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg		333000.0										12700.0	9880.0		463000.0					
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg		31100.0										3410.0	1490.0		183000.0					
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg		23.6										<10	<10		26.4					
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg		199.0										10.6	16.2		132.0					
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg		3570.0										26.0	24.4		2930.0					
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg		2100.0										36.6	22.0		2100.0					
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg		26000.0										1090.0	759.0		16100.0					
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg		102000.0										2650.0	7940.0		58400.0					
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg		216000.0										44700.0	72800.0		604000.0					
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg		20300.0										2600.0	13700.0		164000.0					
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg		<1000													<200					
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<1000													<200					

Appendix G

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS206A	AEC18-LF-WS206A	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS207	AEC18-LF-WS208A	AEC18-LF-WS208A	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS209	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS210	AEC18-LF-WS211	AEC18-LF-WS211	AEC18-LF-WS212	AEC18-LF-WS212	AEC18-LF-WS213	AEC18-LF-WS213	AEC18-LF-WS214
					Sample Top	0.70	4.60	0.10	2.10	4.20	0.30	2.20	0.30	0.90	3.90	0.00	2.20	3.50	1.00	4.40	0.40	3.00	1.00	2.40	1.40
					Lookup soil	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MG-LF	TS	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	TS	MG-LF	MG-LF	MADE GROUND	MG-LF	MADE GROUND	ZCL	MADE GROUND	MG-LF	MADE GROUND
					Sample Ref	2	5	1	3	5	1	3	1	2	4	1	4	6	2	6	1	3	2	4	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg		<1000													<200					
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg		<1000													<200					
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<1000													<200					
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg		<1000													<200					
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<1000													<200					
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg		<10													<100					
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS214	AEC18-LF-WS215A	AEC18-LF-WS215A	AEC18-LF-WS216	AEC18-LF-WS216	AEC18-LF-WS217	AEC18-LF-WS217B	AEC18-LF-WS218	AEC18-LF-WS218	AEC18-LF-WS219	AEC18-LF-WS219	AEC18-LF-WS220	AEC18-LF-WS220	AEC18-LF-WS221	AEC18-LF-WS221	AEC18-LF-WS222	AEC18-LF-WS222	AEC18-LF-WS223	AEC18-LF-WS223	AEC18-LF-WS224
					Sample Top	3.20	0.30	4.10	0.30	2.60	1.70	4.20	0.40	3.70	0.30	2.00	0.40	3.40	1.40	4.40	1.50	3.20	0.50	1.50	1.80
					Lookup soil	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref	7	1	6	1	4	2	6	1	4	1	4	2	6	3	5	3	5	1	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg																				
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg																				
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg																				
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg																				
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg																				
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg																				
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg																				
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg																				
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg																				
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg																				
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg																				
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg																				
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<1	<1	2.9	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	12.6	<1	<1	2.6	<1	<1	<1
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg																				
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	56.0	19.2	484.0	11.8	99.3	5.1	30.0	16.7	218.0	13.9	74.8	23.6	200.0	49.9	13.4	24.1	108.0	30.1	27.4	48.9
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.14	<0.14	1.5	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	48.0	14.2	37.5	7.3	21.6	5.0	21.5	22.8	1330.0	7.2	30.1	22.4	26.2	86.9	3.8	160.0	33.7	18.7	35.5	24.2
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	0.9	<0.6	1.5	9.4	<0.6	<0.6	9.5	<0.6	2.6	<0.6	<0.6	<0.6	4.7	2.2	<0.6	<0.6	3.6	<0.6	<0.6	0.9
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	20.5	7.2	19.9	2.4	13.9	1.1	11.4	7.2	17.5	2.7	17.4	12.6	14.7	14.0	1.9	16.5	12.6	10.8	14.2	13.1
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	1.4	0.6	1.6	0.3	0.8	0.2	0.8	1.0	1.0	0.3	1.1	1.0	1.2	0.8	0.2	5.7	1.4	0.9	1.0	0.7
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	1.1	<1	2.1	<1	1.3	<1	4.2	<1	6.7	<1	1.5	<1	1.7	4.4	1.2	<1	3.6	1.2	1.2	1.2
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.1	0.2	1.7	0.2	0.2	0.3	0.2	0.3	0.6	0.1	0.3	0.1	0.5	0.3	0.2	2.2	0.7	0.3	0.2	0.2
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	60.5	10.6	99.3	4.0	12.6	3.4	10.8	16.2	12.7	5.7	18.1	25.5	15.7	57.2	3.2	44.5	25.4	20.8	27.3	23.4
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	29.0	10.1	82.7	6.7	25.9	4.3	87.8	12.0	265.0	8.2	199.0	21.2	36.7	28.1	9.0	43.6	127.0	22.2	32.4	29.2
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	74.0	21.5	53.4	7.1	30.0	5.7	27.9	31.0	24.8	10.7	26.8	60.5	42.1	37.4	5.8	80.3	31.3	43.8	50.5	30.0
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	102.0	66.9	294.0	236.0	84.0	30.0	116.0	66.4	404.0	34.9	88.5	68.9	99.7	114.0	32.7	197.0	419.0	61.4	85.2	83.4
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	1.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg																				
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg																				
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg																				
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg																				
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	2.2	<0.035	<0.035	0.7	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	7.9	8.4	7.9	8.6	7.4	8.8	8.4	8.6	7.4	9.4	10.5	8.2	8.5	8.7	8.7	7.8	7.6	8.4	9.5	8.5
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg																				
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg																				
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg																				
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg																				
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg																				
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg																				
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg																				
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg																				
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg																				
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg																				
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg																				
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg																				
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg																				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg																				
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg																				
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg																				
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																				
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg																				
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg																				
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg																				
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				

Appendix G

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS214	AEC18-LF-WS215A	AEC18-LF-WS215A	AEC18-LF-WS216	AEC18-LF-WS216	AEC18-LF-WS217	AEC18-LF-WS217B	AEC18-LF-WS218	AEC18-LF-WS218	AEC18-LF-WS219	AEC18-LF-WS219	AEC18-LF-WS220	AEC18-LF-WS220	AEC18-LF-WS221	AEC18-LF-WS221	AEC18-LF-WS222	AEC18-LF-WS222	AEC18-LF-WS223	AEC18-LF-WS223	AEC18-LF-WS224
					Sample Top	3.20	0.30	4.10	0.30	2.60	1.70	4.20	0.40	3.70	0.30	2.00	0.40	3.40	1.40	4.40	1.50	3.20	0.50	1.50	1.80
					Lookup soil	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref	7	1	6	1	4	2	6	1	4	1	4	2	6	3	5	3	5	1	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg																			
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg																			
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg																			
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg																			
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg																			
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg																			
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg																			
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg																			
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg																			
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg																			
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg																			
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg																			
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg																			
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg																			
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg																			
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg																			
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg																			
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg																			
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg																			
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg																			
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																			
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg																			
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg																			
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg																			
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg																			
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg																			
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg																			

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS214	AEC18-LF-WS215A	AEC18-LF-WS215A	AEC18-LF-WS216	AEC18-LF-WS216	AEC18-LF-WS217	AEC18-LF-WS217B	AEC18-LF-WS218	AEC18-LF-WS218	AEC18-LF-WS219	AEC18-LF-WS219	AEC18-LF-WS220	AEC18-LF-WS220	AEC18-LF-WS221	AEC18-LF-WS221	AEC18-LF-WS222	AEC18-LF-WS222	AEC18-LF-WS223	AEC18-LF-WS223	AEC18-LF-WS224
					Sample Top	3.20	0.30	4.10	0.30	2.60	1.70	4.20	0.40	3.70	0.30	2.00	0.40	3.40	1.40	4.40	1.50	3.20	0.50	1.50	1.80
					Lookup soil	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref	7	1	6	1	4	2	6	1	4	1	4	2	6	3	5	3	5	1	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg																				
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg																				
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg																				
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg																				
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg														<0.6						
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg														<1			<1			
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg														10.8			<1			
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg																				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg																				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg																				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg																				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg																				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg																				
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg			<500											<100			<100			
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg	<4		<80	<4			<4		<40		<80	<4	<4	699.0	<4	<4	<4	<4	<4	<4
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg			<200											<200			<10			
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg			<200											<200			<10			
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg			<200											<200			<10			
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg			<200											<200			<10			
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg			<220											<220			<11			
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg			<500											328.0			<100			
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg			<200											<200			<10			
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg			<500											<100			<100			
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg			<100											<100			<100			
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg			<200											<200			<10			
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg			<100											<100			<5			
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg			<160											632.0			<8			
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg			<200											<200			<10			
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg	<7		<140	<7			<7		<70		<140	<7	<7	495.0	<7	<7	<7	<7	<7	<7
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg			<100											<100			<5			
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg			<500											<100			<100			
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg			<500											<100			<100			
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg			<500											<100			<100			
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg			4130.0											<100			<100			
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg			<500											<100			<100			
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg			<500											<100			<100			
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg			<400											<100			<100			
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg			<500											<100			<100			
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg			<500											<100			<100			
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg			<200											<200			<10			
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg			<100											<100			<5			
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg			<500											<100			<100			
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg			<500											948.0			<100			
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg			<200											<200			<10			
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg			<140											<140			<7			
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg			<120											<120			<6			
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg			<200											<200			<10			
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg																				
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg			<500											<100			<100			
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg			<160											<100			<100			
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg			<200											<200			<10			
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg			<200											<200			<10			
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg			<200											<200			<10			
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg			<500											<100			<100			
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg			<500											<100			<100			
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg			<500											<100			<100			
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg			<200											<200			<10			
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg			<160											<160			<8			
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg			<500											<100			<100			
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg	<9		<180	<9			<9		<90		<180	<9	<9	<180	<9	<9	<9	<9	<9	<9

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS214	AEC18-LF-WS215A	AEC18-LF-WS215A	AEC18-LF-WS216	AEC18-LF-WS216	AEC18-LF-WS217	AEC18-LF-WS217B	AEC18-LF-WS218	AEC18-LF-WS218	AEC18-LF-WS219	AEC18-LF-WS219	AEC18-LF-WS220	AEC18-LF-WS220	AEC18-LF-WS221	AEC18-LF-WS221	AEC18-LF-WS222	AEC18-LF-WS222	AEC18-LF-WS223	AEC18-LF-WS223	AEC18-LF-WS224
					Sample Top	3.20	0.30	4.10	0.30	2.60	1.70	4.20	0.40	3.70	0.30	2.00	0.40	3.40	1.40	4.40	1.50	3.20	0.50	1.50	1.80
					Lookup soil	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref	7	1	6	1	4	2	6	1	4	1	4	2	6	3	5	3	5	1	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg			<140											<140			<7			
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg																				
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg			<200											<200			<10			
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg			<140											<140			<7			
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg			<180											<180			<9			
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg			<200											<200			<10			
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg			<200											<200			<10			
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg			<120											<120			<6			
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg			<200											<200			<10			
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg			<140											<140			22.1			
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg			<200											<200			<10			
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg			<140											<140			<7			
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg			<160											<160			<8			
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg			<200											<200			<10			
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg			<120											<120			<6			
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg			<120											<120			<6			
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg			<500											<100			<100			
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg			<500											<100			<100			
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg			<200											<200			<10			
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg			<200											<200			<10			
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg			<180											<180			<9			
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg			<200											<200			<10			
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg			<500											<100			<100			
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg			<500											<100			250.0			
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg			<500											316.0			<100			
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg			<500											222.0			<100			
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg			<400											<400			<20			
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg			<400											<100			<100			
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg			<500											<100			<100			
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg			<500											<100			<100			
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg			<500											<100			<100			
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg			<500											2500.0			<100			
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg			<500											<100			<100			
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg	<10		<200	<10			<10		<100		<200	<10	<10	788.0	<10	<10	<10	<10	<10	<10
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg			<500											<100			<100			
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg			<180											<180			<9			
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg			<200											<100			<10			
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg			<500											<100			<100			
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg			<180											1590.0			<9			
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg			<500											<100			<100			
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg			<280											<280			<14			
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg			<320											<320			<16			
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg			<280											<280			<14			
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg			<100											<100			<5			
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg			<500											<100			<100			
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg			<200											<200			<10			
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg	<10		<200	<10			<10		<100		256.0	<10	<10	1670.0	<10	<10	<10	<10	<10	<10
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg																				
P1334	pH	SOLID	#N/A	mg/kg	pH																				
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg																				
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg																				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg																				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg																				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg																				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg																				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg																				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg																				
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg																				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg																				
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg																				
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg																				
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS214	AEC18-LF-WS215A	AEC18-LF-WS215A	AEC18-LF-WS216	AEC18-LF-WS216	AEC18-LF-WS217	AEC18-LF-WS217B	AEC18-LF-WS218	AEC18-LF-WS218	AEC18-LF-WS219	AEC18-LF-WS219	AEC18-LF-WS220	AEC18-LF-WS220	AEC18-LF-WS221	AEC18-LF-WS221	AEC18-LF-WS222	AEC18-LF-WS222	AEC18-LF-WS223	AEC18-LF-WS223	AEC18-LF-WS224
					Sample Top	3.20	0.30	4.10	0.30	2.60	1.70	4.20	0.40	3.70	0.30	2.00	0.40	3.40	1.40	4.40	1.50	3.20	0.50	1.50	1.80
					Lookup soil	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref	7	1	6	1	4	2	6	1	4	1	4	2	6	3	5	3	5	1	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg																				
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg																				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg																				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg																				
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg																				
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg																				
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg																				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg																				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg																				
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg																				
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg																				
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg																				
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg																				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg																				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg																				
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg																				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg																				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg																				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg																				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg																				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg																				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg																				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg																				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg																				
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg																				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg																				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg																				
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg																				
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg																				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg																				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg																				
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg																				
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg																				
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg																				
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg																				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg																				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg																				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg																				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg																				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg																				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg																				
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg																				
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg																				
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg																				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg																				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg																				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg																				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS214	AEC18-LF-WS215A	AEC18-LF-WS215A	AEC18-LF-WS216	AEC18-LF-WS216	AEC18-LF-WS217	AEC18-LF-WS217B	AEC18-LF-WS218	AEC18-LF-WS218	AEC18-LF-WS219	AEC18-LF-WS219	AEC18-LF-WS220	AEC18-LF-WS220	AEC18-LF-WS221	AEC18-LF-WS221	AEC18-LF-WS222	AEC18-LF-WS222	AEC18-LF-WS223	AEC18-LF-WS223	AEC18-LF-WS224
					Sample Top	3.20	0.30	4.10	0.30	2.60	1.70	4.20	0.40	3.70	0.30	2.00	0.40	3.40	1.40	4.40	1.50	3.20	0.50	1.50	1.80
					Lookup soil	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref	7	1	6	1	4	2	6	1	4	1	4	2	6	3	5	3	5	1	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg																				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg																				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg																				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg																				
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg																				
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg																				
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg																				
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg																				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg																				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg																				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg																				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg																				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg																				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg																				
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg																				
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg																				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg																				
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg																				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg																				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg																				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg																				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg																				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg																				
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg																				
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg	<16		606.0	60.5			23.0		56.2		8090.0	29.8	<16	236.0	115.0	<16	<100	32.0	34.7	45.0
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg	128.0		3040.0	293.0			198.0		495.0		18600.0	186.0	55.5	1010.0	291.0	24.3	<100	259.0	246.0	284.0
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg	67.1		1550.0	67.0			132.0		319.0		3360.0	71.2	<24	199.0	72.1	<24	<100	100.0	90.6	98.9
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg	57.6		1090.0	78.0			127.0		344.0		3980.0	65.0	<18	152.0	49.7	<18	<100	79.7	73.2	92.7
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg	152.0		2380.0	126.0			171.0		512.0		7610.0	162.0	32.2	495.0	121.0	23.1	<100	152.0	133.0	258.0
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg	136.0		3630.0	338.0			216.0		532.0		24100.0	206.0	59.8	1160.0	348.0	25.2	<100	264.0	269.0	313.0
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg	48.7		893.0	51.3			80.5		184.0		2800.0	52.8	<14	212.0	52.1	<14	<100	56.0	58.0	86.3
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg	<12		<500	<12			16.1		<12		237.0	<12	<12	107.0	<12	<12	<100	<12	<12	<12
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg	73.5		1570.0	113.0			105.0		339.0		6380.0	99.1	25.3	359.0	90.1	14.5	<100	115.0	92.0	136.0
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg	88.4		1600.0	109.0			151.0		383.0		6280.0	118.0	29.2	310.0	80.5	<15	<100	151.0	132.0	147.0
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg	<23		<500	<23			<23		68.1		632.0	<23	<23	51.0	<23	<23	<100	<23	<23	<23
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg	67.5		1380.0	124.0			93.6		293.0		7930.0	117.0	24.4	416.0	84.7	<14	<100	117.0	112.0	140.0
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg	<8		<500	26.4			12.7		12.3		4960.0	16.6	<8	432.0	104.0	<8	<100	14.2	21.1	21.9
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg	32.9		1740.0	235.0			97.2		130.0		29800.0	101.0	25.1	1100.0	394.0	<15	<100	98.6	134.0	115.0
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg	<10		<500	28.3			<10		20.3		6680.0	14.7	<10	461.0	78.3	<10	<100	<10	18.9	15.7
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg	<9		<260	<9			16.7		13.5		5200.0	<9	<9	4570.0	22.8	<9	<100	<9	<9	59.1
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg														<1			<1			
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	1.2	<0.015	<0.015	0.6	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.7	<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		Not Detected
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg																				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<200				<10		<100				<10	<200	<10		<10			
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g																				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg																				

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Sample Type	Hole Ref	Sample Top	Lookup soil	Sample Ref	AEC18-LF-WS214	AEC18-LF-WS215A	AEC18-LF-WS215A	AEC18-LF-WS216	AEC18-LF-WS216	AEC18-LF-WS217	AEC18-LF-WS217B	AEC18-LF-WS218	AEC18-LF-WS218	AEC18-LF-WS219	AEC18-LF-WS219	AEC18-LF-WS220	AEC18-LF-WS220	AEC18-LF-WS221	AEC18-LF-WS221	AEC18-LF-WS222	AEC18-LF-WS222	AEC18-LF-WS223	AEC18-LF-WS223	AEC18-LF-WS224
						Sample Top	3.20	MADE GROUND	7	ES	0.30	MADE GROUND	1	ES	4.10	MG-LF	6	ES	0.30	MADE GROUND	1	ES	2.60	MADE GROUND	4	ES	1.70	MADE GROUND	2	ES	4.20	MADE GROUND	6	ES	0.40	MADE GROUND	1	ES	3.70	MADE GROUND	4	ES	0.30	MADE GROUND	1	ES	2.00	MADE GROUND	4	ES	0.40	MADE GROUND	2	ES	3.40	MADE GROUND	6	ES	1.40	MADE GROUND	3	ES	4.40	MADE GROUND	5	ES	1.50	MADE GROUND	3	ES	3.20	MG-LF	5	ES	0.50	MADE GROUND	1	ES	1.50	MADE GROUND	3	ES	1.80	MADE GROUND	4	ES
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g																							
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g																							
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g																							
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																							
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g																							
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg																							
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																							
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g																							
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g																							
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g																							
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g																							
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g																							
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g																							
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg																							
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g																							
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g																							
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g																							
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																							
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																							
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g																							
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g																							
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g																							
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg																							
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g																							
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																							
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g																							
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g																							
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g																							
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg																							
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg																							
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g																							
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g																							
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg																							
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg																							
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg											<40		<400				<40	3650.0	<40		<40			
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg											<10		<10				<10	65.5	<10		<10			
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg											<10		<10				<10	530.0	<10		<10			
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg											21.1		154.0				13.8	6350.0	28.2		264.0			
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg											32.2		134.0				11.3	5710.0	51.2		284.0			
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg											<100		<100				<100	69600.0	1900.0		3180.0			
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg											<100		8500.0				2740.0	180000.0	7060.0		92800.0			
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg											<100		96300.0				37800.0	623000.0	17900.0		538000.0			
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg											<100		13000.0				14800.0	92200.0	4890.0		95000.0			
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg											<10		15.8				<10	129.0	<10		15.0			
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg											28.9		85.0				<10	1820.0	20.5		62.5			
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg											31.1		230.0				20.0	9520.0	42.2		396.0			
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg											48.8		200.0				16.3	8570.0	76.8		425.0			
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg											<100		1380.0				<100	74400.0	4190.0		7400.0			
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg											1430.0		9330.0				4730.0	443000.0	15400.0		194000.0			
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg											4330.0		117000.0				60100.0	1110000.0	27400.0		1100000.0			
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg											<100		46600.0				19400.0	129000.0	4950.0		255000.0			
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg																							
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg																							
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg																							
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg																							
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																							
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg																							
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg																							
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg																							
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg																							
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg																							
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg																							
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg																							
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg																							
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg																							
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg											<500							<100			<100			
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg											<500							<100			<100			

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS214	AEC18-LF-WS215A	AEC18-LF-WS215A	AEC18-LF-WS216	AEC18-LF-WS216	AEC18-LF-WS217	AEC18-LF-WS217B	AEC18-LF-WS218	AEC18-LF-WS218	AEC18-LF-WS219	AEC18-LF-WS219	AEC18-LF-WS220	AEC18-LF-WS220	AEC18-LF-WS221	AEC18-LF-WS221	AEC18-LF-WS222	AEC18-LF-WS222	AEC18-LF-WS223	AEC18-LF-WS223	AEC18-LF-WS224
					Sample Top	3.20	0.30	4.10	0.30	2.60	1.70	4.20	0.40	3.70	0.30	2.00	0.40	3.40	1.40	4.40	1.50	3.20	0.50	1.50	1.80
					Lookup soil	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF	MADE GROUND	MADE GROUND	MADE GROUND
					Sample Ref	7	1	6	1	4	2	6	1	4	1	4	2	6	3	5	3	5	1	3	4
					Sample Type	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg			<500											<100			<100			
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg			<500											<100			<100			
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<500											<100			<100			
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg			<500											<100			<100			
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<500											<100			<100			
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg			<200											<200			<10			
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg																				
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg																				

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS224	AEC18-LF-WS224	AEC18-LF-WS225	AEC18-LF-WS225	AEC18-LF-WS225
					Sample Top	3.60	4.50	0.50	2.30	4.55
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF
					Sample Ref	6	7	2	5	7
					Sample Type	ES	ES	ES	ES	ES
100-41-4	Ethylbenzene	SOLID - INITIAL	0.53	mg/kg	mg/kg					
108-88-3	Toluene	SOLID - INITIAL	0.88	mg/kg	mg/kg					
120-12-7	Anthracene	SOLID - INITIAL	0.16	mg/kg	mg/kg					
129-00-0	Pyrene	SOLID - INITIAL	1.88	mg/kg	mg/kg					
1330-20-7	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg					
191-24-2	Benzo(g,h,i)perylene	SOLID - INITIAL	2.42	mg/kg	mg/kg					
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID - INITIAL	0.51	mg/kg	mg/kg					
205-99-2	Benzo(b)fluoranthene	SOLID - INITIAL	0.61	mg/kg	mg/kg					
206-44-0	Fluoranthene	SOLID - INITIAL	0.01	mg/kg	mg/kg					
207-08-9	Benzo(k)fluoranthene	SOLID - INITIAL	0.86	mg/kg	mg/kg					
208-96-8	Acenaphthylene	SOLID - INITIAL	1.01	mg/kg	mg/kg					
218-01-9	Chrysene	SOLID - INITIAL	6.38	mg/kg	mg/kg					
50-32-8	Benzo(a)pyrene	SOLID - INITIAL	0.07	mg/kg	mg/kg					
53-70-3	Dibenzo(a,h)anthracene	SOLID - INITIAL	10.80	mg/kg	mg/kg					
56-55-3	Benzo(a)anthracene	SOLID - INITIAL	4.50	mg/kg	mg/kg					
57-12-5	Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<0.5	<1	<1	<1	13.5
71-43-2	Benzene	SOLID - INITIAL	0.0043	mg/kg	mg/kg					
7439-92-1	Lead	SOLID - INITIAL	10.00	mg/kg	mg/kg	0.0	29.3	125.0	57.3	447.0
7439-97-6	Mercury	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.0001	<0.14	<0.14	<0.14	1.2
7440-02-0	Nickel	SOLID - INITIAL	10.01	mg/kg	mg/kg	1.1	5.4	26.9	30.6	60.8
7440-36-0	Antimony	SOLID - INITIAL	1.26	mg/kg	mg/kg	1.6	<0.6	4.3	<0.6	12.7
7440-38-2	Arsenic	SOLID - INITIAL	5.00	mg/kg	mg/kg	0.1	5.5	13.1	20.0	48.7
7440-41-7	Beryllium	SOLID - INITIAL	5.04	mg/kg	mg/kg	<0.001	9.5	1.3	1.5	6.6
7440-42-8	Boron	SOLID - INITIAL	8.69	mg/kg	mg/kg	4.6	3.1	1.7	2.0	39.5
7440-43-9	Cadmium	SOLID - INITIAL	0.50	mg/kg	mg/kg	0.0	0.1	0.3	0.2	0.7
7440-47-3	Chromium	SOLID - INITIAL	315.49	mg/kg	mg/kg	0.1	14.3	25.8	32.8	15.1
7440-50-8	Copper	SOLID - INITIAL	1002.92	mg/kg	mg/kg	0.0	15.8	31.3	23.1	305.0
7440-62-2	Vanadium	SOLID - INITIAL	1.01	mg/kg	mg/kg	0.0	30.1	51.1	69.0	39.7
7440-66-6	Zinc	SOLID - INITIAL	2507.30	mg/kg	mg/kg	0.2	42.0	119.0	91.6	677.0
7782-49-2	Selenium	SOLID - INITIAL	0.50	mg/kg	mg/kg	<0.01	2.0	<1	1.1	1.5
83-32-9	Acenaphthene	SOLID - INITIAL	965.39	mg/kg	mg/kg					
85-01-8	Phenanthrene	SOLID - INITIAL	3.35	mg/kg	mg/kg					
86-73-7	Fluorene	SOLID - INITIAL	1.76	mg/kg	mg/kg					
91-20-3	Napthalene	SOLID - INITIAL	0.08	mg/kg	mg/kg					
P1186	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	1.1	4.6	<0.035	<0.035	<0.035
P1310	Pah,Total	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
P1334	pH	SOLID - INITIAL	#N/A	mg/kg	pH Units	7.6	8.8	8.6	8.2	7.8
P1355	TPH Aromatic >C7-C8	SOLID - INITIAL	10.42	mg/kg	mg/kg					
P1356	TPH Aromatic >C8-C10	SOLID - INITIAL	219.16	mg/kg	mg/kg					
P1357	TPH Aromatic >C10-C12	SOLID - INITIAL	16.54	mg/kg	mg/kg					
P1358	TPH Aromatic >C12-C16	SOLID - INITIAL	32.96	mg/kg	mg/kg					
P1359	TPH Aromatic >C16-C21	SOLID - INITIAL	82.76	mg/kg	mg/kg					
P1360	TPH Aromatic >C21-C35	SOLID - INITIAL	657.18	mg/kg	mg/kg					
P1407	TPH Aliphatic >C5-6	SOLID - INITIAL	654.68	mg/kg	mg/kg					
P1408	TPH Aliphatic >C6-8	SOLID - INITIAL	2946.18	mg/kg	mg/kg					
P1409	TPH Aliphatic >C8-10	SOLID - INITIAL	558.25	mg/kg	mg/kg					
P1410	TPH Aliphatic >C10-12	SOLID - INITIAL	5510.38	mg/kg	mg/kg					
P1411	TPH Aliphatic >C12-16	SOLID - INITIAL	87214.59	mg/kg	mg/kg					
P1412	TPH Aliphatic >C16-21	SOLID - INITIAL	6927070.30	mg/kg	mg/kg					
P1413	TPH Aliphatic >C21-35	SOLID - INITIAL	6927070.30	mg/kg	mg/kg					
P1441	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	mg/kg					
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	mg/kg					
100-02-7	4-Nitrophenol	SOLID - INITIAL	0.04	mg/kg	mg/kg					
100-25-4	P-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
100-42-5	Styrene	SOLID - INITIAL	1.04	mg/kg	mg/kg					
100-51-6	Benzyl Alcohol	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
10061-01-5	cis1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
10061-02-6	trans-1,3-Dichloropropene	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	mg/kg					
103-65-1	n-propylbenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
104-51-8	n-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg					
105-67-9	2,4-Dimethylphenol	SOLID - INITIAL	1.18	mg/kg	mg/kg					
106-43-4	4-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
106-44-5	3/4 Methylphenol	SOLID - INITIAL	0.53	mg/kg	mg/kg					
106-46-7	1,4-Dichlorobenzene	SOLID - INITIAL	48.01	mg/kg	mg/kg					
106-93-4	1,2-Dibromoethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
107-06-2	1,2-Dichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg					

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS224	AEC18-LF-WS224	AEC18-LF-WS225	AEC18-LF-WS225	AEC18-LF-WS225
					Sample Top	3.60	4.50	0.50	2.30	4.55
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF
					Sample Ref	6	7	2	5	7
					Sample Type	ES	ES	ES	ES	ES
108-67-8	1,3,5-Trimethylbenzene	SOLID - INITIAL	0.15	mg/kg	mg/kg					
108-86-1	Bromobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
108-90-7	Chlorobenzene	SOLID - INITIAL	4.46	mg/kg	mg/kg					
108-95-2	Phenol	SOLID - INITIAL	0.04	mg/kg	mg/kg	0.0	<0.1	<0.01	<0.01	0.0
111-91-1	Bis(2-chloroethoxy)methane	SOLID - INITIAL	0.01	mg/kg	mg/kg					
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID - INITIAL	18472.17	mg/kg	mg/kg					
117-84-0	Di-N-Octyl Phthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
118-74-1	Hexachlorobenzene (HCB)	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
120-82-1	1,2,4-Trichlorobenzene	SOLID - INITIAL	1.81	mg/kg	mg/kg					
120-83-2	2,4-Dichlorophenol	SOLID - INITIAL	0.28	mg/kg	mg/kg					
121-14-2	2,4-Dinitrotoluene	SOLID - INITIAL	0.00	mg/kg	mg/kg					
122-39-4	Diphenylamine	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
124-48-1	Dibromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
127-18-4	Tetrachloroethene	SOLID - INITIAL	1.46	mg/kg	mg/kg					
131-11-3	Dimethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
132-64-9	Dibenzofuran	SOLID - INITIAL	0.49	mg/kg	mg/kg					
135-98-8	Sec-Butylbenzene	SOLID - INITIAL	1.39	mg/kg	mg/kg					
142-28-9	1,3-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
156-59-2	cis-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
156-60-5	trans-1,2-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
528-29-0	O-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
534-52-1	2-Methyl-4,6-Dinitrophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01				
541-73-1	1,3-Dichlorobenzene	SOLID - INITIAL	145.60	mg/kg	mg/kg					
56-23-5	Tetrachloromethane (Carbon Tetra Chloride)	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
563-58-6	1,1-Dichloropropene	SOLID - INITIAL	0.41	mg/kg	mg/kg					
58-90-2	2,3,4,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
594-20-7	2,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
59-50-7	4-Chloro-3-Methylphenol	SOLID - INITIAL	2.93	mg/kg	mg/kg					
606-20-2	2,6-Dinitrotoluene	SOLID - INITIAL	1.48	mg/kg	mg/kg					
62-53-3	Aniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
630-20-6	1,1,1,2-Tetrachloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
67-66-3	Chloroform	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
700-57-23	4-Chlorophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
71-55-6	1,1,1-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
74-95-3	Dibromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
74-97-5	Bromochloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
75-01-4	Chloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
75-25-2	Tribromomethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
75-27-4	Bromodichloromethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
75-34-3	1,1-Dichloroethane	SOLID - INITIAL	0.01	mg/kg	mg/kg					
75-35-4	1,1-Dichloroethene	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
77-47-4	Hexachlorocyclopentadiene	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
78-87-5	1,2-Dichloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
79-00-5	1,1,2-Trichloroethane	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
79-01-6	Trichloroethene	SOLID - INITIAL	0.09	mg/kg	mg/kg					
84-66-2	Diethylphthalate	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
84-74-2	Di-N-Butyl Phthalate	SOLID - INITIAL	0.52	mg/kg	mg/kg					
85-68-7	Butylbenzylphthalate	SOLID - INITIAL	23.36	mg/kg	mg/kg					
86-74-8	Carbazole	SOLID - INITIAL	0.01	mg/kg	mg/kg					
87-61-6	1,2,3 Trichlorobenzene	SOLID - INITIAL	0.26	mg/kg	mg/kg					
87-68-3	Hexachlorobutadiene (HCBD)	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
87-86-5	Pentachlorophenol (PCP)	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
88-06-2	2,4,6-Trichlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	mg/kg					
91-57-6	2-Methylnaphthalene	SOLID - INITIAL	0.84	mg/kg	mg/kg					
91-58-7	2-Chloronaphthalene	SOLID - INITIAL	0.92	mg/kg	mg/kg					
935-95-5	2,3,5,6-Tetrachlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
95-47-6	Xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg					
95-48-7	2-Methylphenol	SOLID - INITIAL	0.54	mg/kg	mg/kg					
95-49-8	2-Chlorotoluene	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
95-50-1	1,2-Dichlorobenzene	SOLID - INITIAL	40.42	mg/kg	mg/kg					
95-57-8	2-Chlorophenol	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
95-63-6	1,2,4-Trimethylbenzene	SOLID - INITIAL	0.25	mg/kg	mg/kg					
95-95-4	2,4,5-Trichlorophenol	SOLID - INITIAL	60.93	mg/kg	mg/kg	<0.01				
96-12-8	1,2-Dibromo-3-Chloropropane	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
96-18-4	1,2,3-Trichloropropane	SOLID - INITIAL	0.44	mg/kg	mg/kg					

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS224	AEC18-LF-WS224	AEC18-LF-WS225	AEC18-LF-WS225	AEC18-LF-WS225
					Sample Top	3.60	4.50	0.50	2.30	4.55
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF
					Sample Ref	6	7	2	5	7
					Sample Type	ES	ES	ES	ES	ES
98-06-6	Tert-Butylbenzene	SOLID - INITIAL	0.75	mg/kg	mg/kg					
98-82-8	Isopropylbenzene	SOLID - INITIAL	0.27	mg/kg	mg/kg					
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
99-65-0	M-Dinitrobenzene	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
99-87-6	4-Isopropyltoluene	SOLID - INITIAL	54.06	mg/kg	mg/kg					
P1374	xylene	SOLID - INITIAL	0.23	mg/kg	mg/kg					
18540-29-9	chromium hexavalent	SOLID - INITIAL	0.02	mg/kg	mg/kg	<0.3				
P1095	Cyanide Free	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.5				
P1239	Complex Cyanide	SOLID - INITIAL	0.26	mg/kg	mg/kg	<0.5				
31508-00-6	PCB-118 2,3,4,4,5 - Pentachlorobiphenyl	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	mg/kg					
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	mg/kg					
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	mg/kg					
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	mg/kg					
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	mg/kg					
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	mg/kg					
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	mg/kg					
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	mg/kg					
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	mg/kg					
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	mg/kg					
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	mg/kg					
100-02-7	4-Nitrophenol	SOLID	0.04	mg/kg	ug/kg	<200	<2000	<100		
100-41-4	Ethylbenzene	SOLID	0.53	mg/kg	ug/kg	88000.0	1080.0	<4	<4	<800
100-42-5	Styrene	SOLID	1.04	mg/kg	ug/kg	<200	<200	<10		
10061-01-5	cis 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg	<200	<200	<10		
10061-02-6	trans 1,3-Dichloropropene	SOLID	#N/A	mg/kg	ug/kg	<200	<200	<10		
103-65-1	Propylbenzene	SOLID	0.28	mg/kg	ug/kg	29700.0	409.0	<10		
104-51-8	n-Butylbenzene	SOLID	1.39	mg/kg	ug/kg	11300.0	359.0	<11		
105-67-9	2,4-Dimethylphenol	SOLID	1.18	mg/kg	ug/kg	<200	3680.0	<100		
106-43-4	4-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg	<200	<200	<10		
106-44-5	4-Methylphenol	SOLID	0.53	mg/kg	ug/kg	<200	<2000	<100		
106-46-7	1,4-Dichlorobenzene	SOLID	48.01	mg/kg	ug/kg	988.0	<100	<100		
106-93-4	1,2-Dibromoethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200	<10		
107-06-2	1,2-Dichloroethane	SOLID	#N/A	mg/kg	ug/kg	<100	<100	<5		
108-67-8	1,3,5-Trimethylbenzene	SOLID	0.15	mg/kg	ug/kg	184000.0	4300.0	<8		
108-86-1	Bromobenzene	SOLID	#N/A	mg/kg	ug/kg	<200	<200	<10		
108-88-3	Toluene	SOLID	0.88	mg/kg	ug/kg	62500.0	315.0	<7	<7	<1400
108-90-7	Chlorobenzene	SOLID	4.46	mg/kg	ug/kg	<100	<100	<5		
108-95-2	Phenol	SOLID	0.04	mg/kg	ug/kg	<200	<2000	<100		
111-44-4	Bis(2-chloroethyl)ether	SOLID	#N/A	mg/kg	ug/kg	<200	<2000	<100		
111-91-1	Bis(2-chloroethoxy)methane	SOLID	0.01	mg/kg	ug/kg	<200	<2000	<100		
117-81-7	Bis(2-ethylhexyl)phthalate	SOLID	18472.17	mg/kg	ug/kg	15600.0	2530.0	763.0		
117-84-0	n-Dioctylphthalate	SOLID	146035.35	mg/kg	ug/kg	1120.0	<2000	<100		
118-74-1	Hexachlorobenzene	SOLID	0.23	mg/kg	ug/kg	<1000	<2000	<100		
120-82-1	1,2,4-Trichlorobenzene	SOLID	1.81	mg/kg	ug/kg	<200	<2000	<100		
120-83-2	2,4-Dichlorophenol	SOLID	0.28	mg/kg	ug/kg	<200	<2000	<100		
121-14-2	2,4-Dinitrotoluene	SOLID	0.00	mg/kg	ug/kg	<200	<2000	<100		
124-48-1	Dibromochloromethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200	<10		
127-18-4	Tetrachloroethene	SOLID	1.46	mg/kg	ug/kg	197.0	<100	<5		
131-11-3	Dimethyl phthalate	SOLID	#N/A	mg/kg	ug/kg	<200	<2000	<100		
132-64-9	Dibenzofuran	SOLID	0.49	mg/kg	ug/kg	<200	68400.0	<100		
135-98-8	sec-Butylbenzene	SOLID	1.39	mg/kg	ug/kg	8240.0	<200	<10		
142-28-9	1,3-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<140	<140	<7		
156-59-2	cis 1,2-Dichloroethene	SOLID	0.31	mg/kg	ug/kg	4040.0	<120	<6		
156-60-5	trans 1,2-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg	<200	<200	<10		
198-55-0	Perylene	SOLID	206.28	mg/kg	ug/kg					
39638-32-9	Bis(2-chloroisopropyl)ether	SOLID	#N/A	mg/kg	ug/kg	<200	<2000	<100		
541-73-1	1,3-Dichlorobenzene	SOLID	145.60	mg/kg	ug/kg	<160	<160	<100		
56-23-5	Carbon Tetrachloride	SOLID	#N/A	mg/kg	ug/kg	<200	<200	<10		
563-58-6	1,1-Dichloropropene	SOLID	0.41	mg/kg	ug/kg	<200	<200	<10		
594-20-7	2,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<200	<200	<10		
59-50-7	4-Chloro-3-methylphenol	SOLID	2.93	mg/kg	ug/kg	988.0	<2000	<100		
606-20-2	2,6-Dinitrotoluene	SOLID	1.48	mg/kg	ug/kg	<200	<2000	<100		
621-64-7	n-Nitroso-n-dipropylamine	SOLID	#N/A	mg/kg	ug/kg	<200	<2000	<100		
630-20-6	1,1,1,2-Tetrachloroethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200	<10		
67-66-3	Chloroform	SOLID	#N/A	mg/kg	ug/kg	<160	<160	<8		
67-72-1	Hexachloroethane	SOLID	3.21	mg/kg	ug/kg	<200	<2000	<100		
71-43-2	Benzene	SOLID	0.00	mg/kg	ug/kg	276.0	<180	<9	<9	<1800

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Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS224	AEC18-LF-WS224	AEC18-LF-WS225	AEC18-LF-WS225	AEC18-LF-WS225
					Sample Top	3.60	4.50	0.50	2.30	4.55
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF
					Sample Ref	6	7	2	5	7
					Sample Type	ES	ES	ES	ES	ES
71-55-6	1,1,1-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg	<140	<140	<7		
7440-39-3	Barium	SOLID	78.73	mg/kg	mg/kg	1.2				
74-83-9	Bromomethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200	<10		
74-87-3	Chloromethane	SOLID	0.02	mg/kg	ug/kg	<140	<140	<7		
74-95-3	Dibromomethane	SOLID	#N/A	mg/kg	ug/kg	<180	<180	<9		
74-97-5	Bromochloromethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200	<10		
75-00-3	Chloroethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200	<10		
75-01-4	Vinyl Chloride	SOLID	#N/A	mg/kg	ug/kg	<120	<120	<6		
75-09-2	Dichloromethane	SOLID	0.03	mg/kg	ug/kg	<200	<200	<10		
75-15-0	Carbon Disulphide	SOLID	0.07	mg/kg	ug/kg	<140	<140	16.0		
75-25-2	Bromoform	SOLID	#N/A	mg/kg	ug/kg	<200	<200	<10		
75-27-4	Bromodichloromethane	SOLID	#N/A	mg/kg	ug/kg	<140	<140	<7		
75-34-3	1,1-Dichloroethane	SOLID	0.01	mg/kg	ug/kg	<160	<160	<8		
75-35-4	1,1-Dichloroethene	SOLID	#N/A	mg/kg	ug/kg	<200	<200	<10		
75-69-4	Trichlorofluoromethane	SOLID	0.05	mg/kg	ug/kg	<120	<120	<6		
75-71-8	Dichlorodifluoromethane	SOLID	#N/A	mg/kg	ug/kg	<120	<120	<6		
77-47-4	Hexachlorocyclopentadiene	SOLID	#N/A	mg/kg	ug/kg	<200	<2000	<100		
78-59-1	Isophorone	SOLID	22.26	mg/kg	ug/kg	<200	<2000	<100		
78-87-5	1,2-Dichloropropane	SOLID	#N/A	mg/kg	ug/kg	<200	<200	<10		
79-00-5	1,1,2-Trichloroethane	SOLID	#N/A	mg/kg	ug/kg	<200	<200	<10		
79-01-6	Trichloroethene	SOLID	0.09	mg/kg	ug/kg	<180	<180	<9		
79-34-5	1,1,2,2-Tetrachloroethane	SOLID	2.66	mg/kg	ug/kg	<200	<200	<10		
84-66-2	Diethyl phthalate	SOLID	3.11	mg/kg	ug/kg	<200	<2000	<100		
84-74-2	Di-N-Butyl Phthalate	SOLID	0.52	mg/kg	ug/kg	47300.0	<2000	<100		
85-68-7	Butylbenzyl phthalate	SOLID	23.36	mg/kg	ug/kg	369000.0	11800.0	<100		
86-74-8	Carbazole	SOLID	0.01	mg/kg	ug/kg	<200	48300.0	<100		
87-61-6	1,2,3-Trichlorobenzene	SOLID	#N/A	mg/kg	ug/kg	<400	<400	<20		
87-68-3	Hexachlorobutadiene	SOLID	#N/A	mg/kg	ug/kg	<200	<2000	<100		
87-86-5	Pentachlorophenol	SOLID	2.17	mg/kg	ug/kg	<200	<2000	<100		
88-06-2	2,4,6-Trichlorophenol	SOLID	#N/A	mg/kg	ug/kg	<200	<2000	<100		
88-75-5	2-Nitrophenol	SOLID	0.03	mg/kg	ug/kg	<200	<2000	<100		
91-57-6	2-Methylnaphthalene (SVOC) DEFAULT	SOLID	0.84	mg/kg	ug/kg	14500.0	35000.0	<100		
91-58-7	2-Chloronaphthalene	SOLID	0.92	mg/kg	ug/kg	<200	<2000	<100		
95-47-6	Xylene	SOLID	0.23	mg/kg	ug/kg	64600.0	1000.0	<10	<10	<2000
95-48-7	2-Methylphenol	SOLID	0.54	mg/kg	ug/kg	<200	<2000	<100		
95-49-8	2-Chlorotoluene	SOLID	#N/A	mg/kg	ug/kg	<180	<180	<9		
95-50-1	1,2-Dichlorobenzene	SOLID	40.42	mg/kg	ug/kg	3260.0	<200	<10		
95-57-8	2-Chlorophenol	SOLID	#N/A	mg/kg	ug/kg	<200	<2000	<100		
95-63-6	1,2,4-Trimethylbenzene	SOLID	0.25	mg/kg	ug/kg	658000.0	17400.0	<9		
95-95-4	2,4,5-Trichlorophenol	SOLID	60.93	mg/kg	ug/kg	<200	<2000	<100		
96-12-8	1,2-Dibromo-3-chloropropane	SOLID	#N/A	mg/kg	ug/kg	<280	<280	<14		
96-18-4	1,2,3-Trichloropropane	SOLID	0.44	mg/kg	ug/kg	<320	<320	<16		
98-06-6	tert-Butylbenzene	SOLID	0.75	mg/kg	ug/kg	<280	<280	<14		
98-82-8	Isopropylbenzene	SOLID	0.27	mg/kg	ug/kg	6930.0	<100	<5		
98-95-3	Nitrobenzene	SOLID	0.00	mg/kg	ug/kg	<200	<2000	<100		
99-87-6	4-Isopropyltoluene	SOLID	54.06	mg/kg	ug/kg	6550.0	<200	<10		
P1374	Xylene	SOLID	0.23	mg/kg	ug/kg	327000.0	4060.0	<10	<10	<2000
P1762	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg					
P1763	TPH Aromatic >C8-C10	SOLID	219.16	mg/kg	mg/kg					
P1334	pH	SOLID	#N/A	mg/kg	pH					
101-21-3	Chlorpropham	SOLID	#N/A	mg/kg	mg/kg					
1014-70-6	Simetryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg					
1024-57-3	Heptachlor Epoxide	SOLID	#N/A	mg/kg	ug/kg	<1000				
1031-07-8	Endosulphan Sulphate	SOLID	#N/A	mg/kg	ug/kg	<1000				
117-18-0	Tecnazene	SOLID	#N/A	mg/kg	ug/kg	<1000				
120-36-5	2,4-DP; (Dichlorprop)	SOLID	#N/A	mg/kg	mg/kg	<0.01				
121-75-5	Malathion	SOLID	#N/A	mg/kg	ug/kg	<1000				
122-14-5	Fenitrothion	SOLID	#N/A	mg/kg	ug/kg	<1000				
122-34-9	Simazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg					
122-42-9	Propham	SOLID	#N/A	mg/kg	mg/kg					
122-88-3	4-CPA	SOLID	#N/A	mg/kg	mg/kg	<0.01				
13684-63-4	Phenmedipham	SOLID	#N/A	mg/kg	mg/kg					
139-40-2	Propazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg					
1461-22-9	Tributyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg					
150-68-5	Monuron	SOLID	#N/A	mg/kg	mg/kg					
15545-48-9	Chlortoluron	SOLID	#N/A	mg/kg	mg/kg					
1582-09-8	Trifluralin SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg	<1000				
1610-17-9	Atraton SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg					

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G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS224	AEC18-LF-WS224	AEC18-LF-WS225	AEC18-LF-WS225	AEC18-LF-WS225
					Sample Top	3.60	4.50	0.50	2.30	4.55
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF
					Sample Ref	6	7	2	5	7
					Sample Type	ES	ES	ES	ES	ES
1610-18-0	Prometon SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg					
16118-49-3	Carbetamide	SOLID	#N/A	mg/kg	mg/kg					
1689-83-4	Ioxynil	SOLID	#N/A	mg/kg	mg/kg	<0.01				
1689-84-5	Bromoxynil	SOLID	#N/A	mg/kg	mg/kg	<0.01				
1702-17-6	Clopyralid	SOLID	#N/A	mg/kg	mg/kg					
1746-81-2	Monolinuron	SOLID	#N/A	mg/kg	mg/kg					
18691-97-9	Methabenzthiazuron	SOLID	#N/A	mg/kg	mg/kg					
1897-45-6	Chlorothalonil	SOLID	#N/A	mg/kg	ug/kg	<2000				
1912-24-9	Atrazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg					
1918-00-9	Dicamba	SOLID	#N/A	mg/kg	mg/kg	<0.01				
6607	Picloram	SOLID	#N/A	mg/kg	mg/kg					
1967-16-4	Chlorbufam	SOLID	#N/A	mg/kg	mg/kg					
1982-47-4	Chloroxuron	SOLID	#N/A	mg/kg	mg/kg					
19937-59-8	Metoxuron	SOLID	#N/A	mg/kg	mg/kg					
2132-70-9	p,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg					
2274-67-1	Chlorpyrifos-methyl	SOLID	#N/A	mg/kg	ug/kg	<1000				
2303-17-5	Triallate	SOLID	#N/A	mg/kg	ug/kg	<1000				
2310-17-0	Phosalone	SOLID	#N/A	mg/kg	ug/kg	<1000				
23103-98-2	Pirimicarb	SOLID	#N/A	mg/kg	mg/kg					
24017-47-8	Triazophos	SOLID	#N/A	mg/kg	ug/kg	<1000				
25057-89-0	Bentazone	SOLID	#N/A	mg/kg	mg/kg	<0.01				
2642-71-9	Azinphos-ethyl	SOLID	#N/A	mg/kg	ug/kg	<1000				
2921-88-2	Chlorpyrifos	SOLID	#N/A	mg/kg	ug/kg	<1000				
29232-93-7	Pirimiphos Methyl	SOLID	#N/A	mg/kg	ug/kg	<1000				
297-78-9	Telodrin	SOLID	#N/A	mg/kg	ug/kg	<1000				
298-00-0	Methyl Parathion	SOLID	#N/A	mg/kg	ug/kg	<1000				
298-01-1	Mevinphos	SOLID	#N/A	mg/kg	ug/kg	<1000				
298-04-4	Disulfoton SUBCON OCP Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000				
29973-13-5	Ethiofencarb	SOLID	#N/A	mg/kg	mg/kg					
30667-99-3	o,p-Methoxychlor	SOLID	#N/A	mg/kg	ug/kg	<1000				
309-00-2	Aldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000				
31218-83-4	Propetamphos	SOLID	#N/A	mg/kg	ug/kg	<1000				
314-40-9	Bromacil	SOLID	#N/A	mg/kg	mg/kg					
319-84-6	alpha-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000				
319-85-7	beta-Hexachlorocyclohexane (HCH) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000				
330-54-1	Diuron SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg					
330-55-2	Linuron	SOLID	#N/A	mg/kg	mg/kg					
33213-65-9	Endosulphan II	SOLID	#N/A	mg/kg	ug/kg	<1000				
333-41-5	Diazinon	SOLID	#N/A	mg/kg	ug/kg	<1000				
34123-59-6	Isoproturon	SOLID	#N/A	mg/kg	mg/kg					
34205-21-5	Dimefuron	SOLID	#N/A	mg/kg	mg/kg					
3424-82-6	o,p-DDE	SOLID	#N/A	mg/kg	ug/kg	<1000				
35367-38-5	Diflubenzuron	SOLID	#N/A	mg/kg	mg/kg					
698836	Benazolin	SOLID	#N/A	mg/kg	mg/kg					
38260-54-7	Etrimphos	SOLID	#N/A	mg/kg	ug/kg	<1000				
40483-25-2	Diclofop	SOLID	#N/A	mg/kg	mg/kg	<0.01				
40487-42-1	Pendimethalin	SOLID	#N/A	mg/kg	ug/kg	<1000				
43121-43-3	Triadimefon	SOLID	#N/A	mg/kg	ug/kg	<1000				
465-73-6	Isodrin	SOLID	#N/A	mg/kg	ug/kg	<1000				
470-90-6	Chlorfenvinphos	SOLID	#N/A	mg/kg	ug/kg	<1000				
50-29-3	p,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000				
50-31-7	2,3,6-TBA	SOLID	#N/A	mg/kg	mg/kg					
5103-71-9	cis-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000				
5103-74-2	trans-Chlordane SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000				
51630-58-1	Fenvalerate SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg					
52315-07-8	Cypermethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg					
52645-53-1	Permethrin SUBCON RPS MH Pyrethroids	SOLID	#N/A	mg/kg	mg/kg					
52756-22-6	Flamprop-isopropyl	SOLID	#N/A	mg/kg	mg/kg					
52918-63-5	Deltamethrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg					
53-19-0	o,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg	<1000				
55335-06-3	Triclopyr	SOLID	#N/A	mg/kg	mg/kg	<0.01				
55-38-9	Fenthion	SOLID	#N/A	mg/kg	ug/kg	<1000				
563-12-2	Ethion	SOLID	#N/A	mg/kg	ug/kg	<1000				
56-38-2	Parathion (Ethyl Parathion)	SOLID	#N/A	mg/kg	ug/kg	<1000				
58667-63-3	Flamprop	SOLID	#N/A	mg/kg	mg/kg					

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					Hole Ref	AEC18-LF-WS224	AEC18-LF-WS224	AEC18-LF-WS225	AEC18-LF-WS225	AEC18-LF-WS225
					Sample Top	3.60	4.50	0.50	2.30	4.55
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF
					Sample Ref	6	7	2	5	7
Contaminant Code	**Contaminant Name**	**Test Type**	**RTM screening value**	**Screening units**	Sample Type	ES	ES	ES	ES	ES
58-89-9	gamma-Hexachlorocyclohexane (HCH / Lindane) SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000				
5915-41-3	Terbuthylazine SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg					
60-51-5	Dimethoate	SOLID	#N/A	mg/kg	ug/kg	<1000				
60-57-1	Dieldrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000				
61949-76-6	Permethrin I (cis) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg					
61949-77-7	Permethrin II (trans) SUBCON Alcontrol OCP	SOLID	#N/A	mg/kg	ug/kg	<1000				
62-73-7	Dichlorvos	SOLID	#N/A	mg/kg	ug/kg	<1000				
639-58-7	Triphenyltin SUBCON i2	SOLID	#N/A	mg/kg	ug/kg					
66063-05-6	Pencycuron	SOLID	#N/A	mg/kg	mg/kg					
68085-85-8	Cyhalothrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg					
683-18-1	Dibutyltin Subcon i2	SOLID	#N/A	mg/kg	ug/kg					
68359-37-5	Cyfluthrin SUBCON RPS MH	SOLID	#N/A	mg/kg	mg/kg					
72-20-8	Endrin SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000				
72-54-8	p,p-TDE (DDD)	SOLID	#N/A	mg/kg	ug/kg	<1000				
72-55-9	p,p-DDE	SOLID	#N/A	mg/kg	ug/kg	<1000				
7287-19-6	Prometryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg					
76-44-8	Heptachlor SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000				
786-19-6	Carbophenothion	SOLID	#N/A	mg/kg	ug/kg	<1000				
789-02-6	o,p-DDT SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg	<1000				
81406-37-3	Fluroxypyr	SOLID	#N/A	mg/kg	mg/kg	<0.01				
82-68-8	Quintozene; (PCNB)	SOLID	#N/A	mg/kg	ug/kg	<1000				
834-12-8	Ametryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg					
86-50-0	Azinphos-methyl	SOLID	#N/A	mg/kg	ug/kg	<1000				
886-50-0	Terbutryn SUBCON Alcontrol	SOLID	#N/A	mg/kg	ug/kg					
93-65-2	MCPP; (Mecoprop)	SOLID	#N/A	mg/kg	mg/kg					
93-72-1	2,4,5-TP; (Fenoprop); (Silvex)	SOLID	#N/A	mg/kg	mg/kg	<0.01				
93-76-5	2,4,5-T	SOLID	#N/A	mg/kg	mg/kg					
94-74-6	MCPA	SOLID	#N/A	mg/kg	mg/kg	<0.01				
94-75-7	2,4-D	SOLID	#N/A	mg/kg	mg/kg	<0.01				
94-81-5	MCPB	SOLID	#N/A	mg/kg	mg/kg	<0.01				
94-82-6	2,4-DB	SOLID	#N/A	mg/kg	mg/kg	<0.01				
959-98-8	Endosulphan I	SOLID	#N/A	mg/kg	ug/kg	<1000				
P1362	TPH Aromatic >C35-C44	SOLID	657.18	mg/kg	mg/kg					
P1415	TPH Aliphatic >C35-C44	SOLID	6927070.30	mg/kg	mg/kg					
120-12-7	Anthracene	SOLID	0.16	mg/kg	ug/kg	256.0	119000.0	<100	79.3	576.0
129-00-0	Pyrene	SOLID	1.88	mg/kg	ug/kg	756.0	267000.0	463.0	813.0	5000.0
191-24-2	Benzo(g,h,i)perylene	SOLID	2.42	mg/kg	ug/kg	<200	46300.0	175.0	209.0	3170.0
193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	0.51	mg/kg	ug/kg	<18	56400.0	200.0	232.0	3520.0
205-99-2	Benzo(b)fluoranthene	SOLID	0.61	mg/kg	ug/kg	<15	103000.0	213.0	581.0	4910.0
206-44-0	Fluoranthene	SOLID	0.01	mg/kg	ug/kg	695.0	339000.0	525.0	965.0	6200.0
207-08-9	Benzo(k)fluoranthene	SOLID	0.86	mg/kg	ug/kg	<14	49200.0	200.0	210.0	1670.0
208-96-8	Acenaphthylene	SOLID	1.01	mg/kg	ug/kg	<200	4040.0	<100	18.5	137.0
218-01-9	Chrysene	SOLID	6.38	mg/kg	ug/kg	327.0	87700.0	225.0	371.0	2850.0
50-32-8	Benzo(a)pyrene	SOLID	0.07	mg/kg	ug/kg	<15	83700.0	213.0	386.0	4380.0
53-70-3	Dibenzo(a,h)anthracene	SOLID	10.80	mg/kg	ug/kg	<200	7690.0	<100	45.4	598.0
56-55-3	Benzo(a)anthracene	SOLID	4.50	mg/kg	ug/kg	163.0	99300.0	238.0	427.0	3500.0
83-32-9	Acenaphthene	SOLID	965.39	mg/kg	ug/kg	537.0	85500.0	<100	97.7	65.5
85-01-8	Phenanthrene	SOLID	3.35	mg/kg	ug/kg	2040.0	372000.0	313.0	293.0	1690.0
86-73-7	Fluorene	SOLID	1.76	mg/kg	ug/kg	988.0	75000.0	<100	81.7	113.0
91-20-3	Napthalene	SOLID	0.08	mg/kg	ug/kg	51600.0	10200.0	<100	17.7	<45
302-04-5	Thiocyanate	SOLID	62.96	mg/kg	mg/kg	<0.5				
P1879	Xylenols	SOLID - INITIAL	2.39	mg/kg	mg/kg	0.9	3.5	<0.015	<0.015	<0.015
P2098	Cresols	SOLID - INITIAL	0.54	mg/kg	mg/kg	0.2	1.1	<0.01	<0.01	<0.01
12001-28-4	Asbestos: Crocidolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected		Not Detected
12001-29-5	Asbestos: Chrysotile	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected		Not Detected
12172-67-7	Asbestos: Actinolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected		Not Detected
12172-73-5	Asbestos: Amosite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected		Not Detected
14567-73-8	Asbestos: Tremolite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected		Not Detected
17068-78-9	Asbestos: Anthophyllite	SOLID - INITIAL	#N/A	mg/kg	No units	Not Detected	Not Detected	Not Detected		Not Detected
1002-53-5	Dibutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg	<0.02				
1461-22-9	Tributyltin	SOLID - INITIAL	0.00	mg/kg	mg/kg	<0.02				
1461-25-2	Tetrabutyl Tin	SOLID - INITIAL	0.00	mg/kg	mg/kg	<0.02				
1634-04-4	Methyl tert-butyl ether (MTBE)	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<200	<200	<10		<2000
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g	<0.00066				
181274-15-7	Propoxycarbazone-sodium	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01				
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	94064.99	mg/kg	ng/g	0.0				
298-02-2	Phorate	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<1000				

Appendix G

G2 RTM Level 1 - Soils

					Hole Ref	AEC18-LF-WS224	AEC18-LF-WS224	AEC18-LF-WS225	AEC18-LF-WS225	AEC18-LF-WS225
					Sample Top	3.60	4.50	0.50	2.30	4.55
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF
					Sample Ref	6	7	2	5	7
Contaminant Code	**Contaminant Name**	**Test Type**	**RTM screening value**	**Screening units**	Sample Type	ES	ES	ES	ES	ES
						21.0				
31508-00-6	PCB-118 2,3',4,4',5 - Pentachlorobiphenyl	SOLID - INITIAL	694.02	mg/kg	ng/g					
32598-13-3	PCB 77	SOLID - INITIAL	6185.41	mg/kg	ng/g	1.2				
32598-14-4	PCB 105	SOLID - INITIAL	8940.63	mg/kg	ng/g	11.0				
3268-87-9	Octachlorodibenzo-p-dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g	1.6				
32774-16-6	PCB 169	SOLID - INITIAL	37270.75	mg/kg	ng/g	0.3				
3380-34-5	Triclosan	SOLID - INITIAL	0.33	mg/kg	mg/kg	<0.01				
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g	1.0				
38380-08-4	PCB-156 2,3,3,4,4,5 - Hexachlorobiphenyl	SOLID - INITIAL	3172.26	mg/kg	ng/g	2.3				
39001-02-0	Octachlorodibenzofuran	SOLID - INITIAL	46180.43	mg/kg	ng/g	0.4				
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	36595.53	mg/kg	ng/g	0.0				
39635-31-9	PCB 189	SOLID - INITIAL	270002.64	mg/kg	ng/g	0.4				
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	SOLID - INITIAL	#N/A	mg/kg	ng/g	<0.00082				
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	SOLID - INITIAL	393.06	mg/kg	ng/g	0.0				
52645-53-1	Permethrin	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<1000				
52663-72-6	PCB 167	SOLID - INITIAL	45853.03	mg/kg	ng/g	6.2				
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	SOLID - INITIAL	9648.46	mg/kg	ng/g	0.0				
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	964.85	mg/kg	ng/g	0.0				
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g	0.0				
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g	0.0				
57465-28-8	PCB 126	SOLID - INITIAL	8940.63	mg/kg	ng/g	<0.017				
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	SOLID - INITIAL	91923.81	mg/kg	ng/g	0.1				
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofura	SOLID - INITIAL	715.25	mg/kg	ng/g	0.0				
62476-59-9	Acifluorfen	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01				
65510-44-3	PCB 123	SOLID - INITIAL	8940.63	mg/kg	ng/g	0.4				
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g	0.6				
69782-90-7	PCB 157	SOLID - INITIAL	45853.03	mg/kg	ng/g	1.4				
70362-50-4	PCB 81	SOLID - INITIAL	8940.63	mg/kg	ng/g	0.4				
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	SOLID - INITIAL	715.25	mg/kg	ng/g	0.0				
7085-19-0	mecoprop	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01				
72-43-5	Methoxychlor	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<1000				
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	SOLID - INITIAL	#N/A	mg/kg	ng/g	<0.0014				
74472-37-0	PCB 114	SOLID - INITIAL	8940.63	mg/kg	ng/g	0.3				
88-85-7	Dinoseb	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.01				
892-20-6	Triphenyltin	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.05				
P1330	BTEX	SOLID - INITIAL	0.00	mg/kg	ug/kg	542000.0	6450.0	<40		<8000
P1354	TPH Aromatic >C6-C7	SOLID - INITIAL	0.05	mg/kg	ug/kg	<200	<200	<10		<10
P1355	TPH Aromatics > C7-C8	SOLID - INITIAL	#N/A	mg/kg	ug/kg	204000.0	1450.0	<10		<10
P1356	Aromatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg	1550000.0	108000.0	223.0		2460.0
P1357	Aromatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg	750000.0	131000.0	263.0		499.0
P1358	Aromatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg	339000.0	750000.0	6340.0		5630.0
P1359	Aromatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg	767000.0	2430000.0	22100.0		48600.0
P1360	Aromatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg	4020000.0	3960000.0	62600.0		316000.0
P1362	Aromatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg	750000.0	786000.0	77700.0		115000.0
P1407	Aliphatics >C5-6	SOLID - INITIAL	#N/A	mg/kg	ug/kg	7070.0	203.0	13.8		33.3
P1408	Aliphatics >C6-8	SOLID - INITIAL	#N/A	mg/kg	ug/kg	141000.0	2110.0	43.8		148.0
P1409	Aliphatics >C8-10	SOLID - INITIAL	#N/A	mg/kg	ug/kg	2320000.0	161000.0	334.0		3690.0
P1410	Aliphatics >C10-12	SOLID - INITIAL	#N/A	mg/kg	ug/kg	1130000.0	196000.0	394.0		749.0
P1411	Aliphatics >C12-16	SOLID - INITIAL	#N/A	mg/kg	ug/kg	1110000.0	190000.0	9930.0		6070.0
P1412	Aliphatics >C16-21	SOLID - INITIAL	#N/A	mg/kg	ug/kg	3910000.0	661000.0	28300.0		49000.0
P1413	Aliphatics >C21-35	SOLID - INITIAL	#N/A	mg/kg	ug/kg	17000000.0	2320000.0	44700.0		408000.0
P1415	Aliphatics >C35-44	SOLID - INITIAL	#N/A	mg/kg	ug/kg	2400000.0	342000.0	63000.0		104000.0
15541-45-4	Bromate	SOLID - INITIAL	#N/A	mg/kg	mg/kg					
16065-83-1	Trivalent Chromium	SOLID - INITIAL	#N/A	mg/kg	mg/kg	<0.3				
16887-00-6	Chloride	SOLID - INITIAL	268.18	mg/kg	mg/kg	159.0				
16984-48-8	Fluoride	SOLID - INITIAL	0.41	mg/kg	mg/kg	<5				
18496-25-8	Sulphide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg	0.5				
24959-67-9	Bromide	SOLID - INITIAL	#VALUE!	mg/kg	mg/kg	1.7				
7439-89-6	Iron	SOLID - INITIAL	44.05	mg/kg	mg/kg	<0.19				
7439-95-4	Magnesium	SOLID - INITIAL	0.00	mg/kg	mg/kg	8.3				
7439-98-7	Molybdenum	SOLID - INITIAL	0.10	mg/kg	mg/kg	3.1				
2023695	Potassium	SOLID - INITIAL	0.00	mg/kg	mg/kg	48.6				
7440-23-5	Sodium	SOLID - INITIAL	263.64	mg/kg	mg/kg	783.0				
7440-70-2	Calcium	SOLID - INITIAL	0.00	mg/kg	mg/kg	149.0				
P1238	Ammoniacal Nitrogen as N	SOLID - INITIAL	0.11	mg/kg	mg/kg	106.0				
P1286	Manganese	SOLID - INITIAL	2.51	mg/kg	mg/kg	0.5				
100-01-6	4-Nitroaniline	SOLID - INITIAL	0.00	mg/kg	ug/kg	<200	<2000	<100		
101-55-3	4-Bromophenyl Phenyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<200	<2000	<100		

Appendix G

G2 RTM Level 1 - Soils

Contaminant Code	Contaminant Name	Test Type	RTM screening value	Screening units	Hole Ref	AEC18-LF-WS224	AEC18-LF-WS224	AEC18-LF-WS225	AEC18-LF-WS225	AEC18-LF-WS225
					Sample Top	3.60	4.50	0.50	2.30	4.55
					Lookup soil	MADE GROUND	MADE GROUND	MADE GROUND	MADE GROUND	MG-LF
					Sample Ref	6	7	2	5	7
					Sample Type	ES	ES	ES	ES	ES
103-33-3	Azobenzene	SOLID - INITIAL	0.38	mg/kg	ug/kg	<200	<2000	<100		
106-47-8	4-Chloroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg	<200	<2000	<100		
700-57-23	4-Chlorophenylphenylether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<200	<2000	<100		
88-74-4	2-Nitroaniline	SOLID - INITIAL	0.01	mg/kg	ug/kg	<200	<2000	<100		
99-09-2	3-Nitroaniline	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<200	<2000	<100		
994-05-8	Tertiary Amyl Methyl Ether	SOLID - INITIAL	#N/A	mg/kg	ug/kg	<200	<200	<10		
1336-36-6	PCB Total (WAC only)	SOLID	#N/A	mg/kg	mg/kg					
P1330	BTEX (total) WAC	SOLID	#N/A	mg/kg	mg/kg					

Appendix G

G3 Soil Leachate Screening Assessment

Compound	Units	Screening Criteria	Standard	Number of samples	Number of Exceedences	Sample Identity	BH227	TP221	WS203	BH203	TP211	TP215	TP223	TP261	BH204	BH210	GW206	BH217
						Depth	1.80-2.00	0.20-0.20	0.20-0.30	5.30-5.40	3.00-3.00	4.10-4.30	3.50-3.70	5.50-5.50	11.00-11.20	6.80-7.00	7.60-7.80	13.20-13.50
						Date	07/12/2018	26/06/2018	21/06/2018	26/06/2018	14/06/2018	21/06/2018	25/06/2018	06/07/2018	09/07/2018	03/12/2018	29/11/2018	03/12/2018
						Waste Type	Non-Chalky Cover	Non-Chalky Cover	Non-Chalky Cover	Recent Domestic	Recent Domestic	Recent Domestic	Recent Domestic	Recent Domestic	Old Domestic	Old Domestic	Old Domestic	Construction
Temperature	°C	nc	-	**25**	**0**		16.7	20.8	21.2	20.7	20.8	20.6	20.6	21.4	21.7	17	13.2	16.9
pH	pH Units	6 to 9	**FEQS**	**25**	**0**		8.09	8.24	8.25	7.52	8.02	8.17	8.12	8.11	8.04	7.61	8.04	8.36
Conductivity @ 20 deg.C	µS/cm	2500	**UK DWS**	**25**	**0**		334	114	142	691	338	249	430	291	353	591	494	334
pH	pH Units	6 to 9	**FEQS**	**65**	**0**		7.82	8.31	8.24	7.92	8.19	8.35	8.31	8.24	8.15	7.93	7.98	8.41
Cyanide, Total	mg/l	0.05	**UK DWS**	**65**	**0**		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cyanide, Complex	mg/l	0.05	**UK DWS**	**59**	**0**		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cyanide, Free	mg/l	0.05	**UK DWS**	**65**	**0**		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Sulphate	mg/l	250	**UK DWS**	**65**	**1**		16.1	<2	<2	244	46.2	27.3	36.4	16.5	4.9	205	139	26.3
Sulphide	mg/l	nc	-	**65**	**0**		0.206	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0107	<0.01
Chloride	mg/l	250	**UK DWS**	**65**	**0**		26.6	<2	<2	9.3	4.3	<2	25.3	8.3	9.7	5.7	5.2	8.5
Fluoride	mg/l	1.5	**UK DWS**	**65**	**2**		2.49	1.03	0.565	<0.5	0.66	<0.5	<0.5	0.718	<0.5	2.18	<0.5	<0.5
Ammoniacal Nitrogen as N	mg/l	0.39	**UK DWS**	**63**	**20**		2.3	<0.2	<0.2	4.91	6.91	1.67	19.5	7.65	13.2	5.18	21.1	20.4
Nitrite as NO_2	mg/l	0.5	**UK DWS**	**25**	**1**		<0.05	<0.05	0.546	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate as NO_3	mg/l	50	**UK DWS**	**25**	**0**		<0.3	1.87	3.89	<0.3	<0.3	0.341	<0.3	<0.3	<0.3	<0.3	0.301	<0.3
Bromide	mg/l	nc	-	**25**	**0**		<0.06	<0.06	<0.06	<0.06	0.09	<0.06	0.071	<0.06	0.088	<0.06	<0.06	<0.06
Thiocyante	mg/l	0.05	**UK DWS**	**25**	**1**		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Alkalinity, Total as $CaCO_3$	mg/l	nc	-	**25**	**0**		135	70	85	150	130	130	170	140	180	140	148	150
Total Suspended Solids	mg/l	nc	-	**25**	**0**		-	-	-	-	-	-	-	-	-	<4	10.8	-
Total Oxidised Nitrogen as N	mg/l	nc	-	**25**	**0**		<0.1	0.431	1.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hardness, Total s $CaCO_3$	mg/l	nc	-	**25**	**0**		87.4	88.1	93.6	394	159	144	98.9	121	134	321	193	69.8
Antimony	mg/l	0.005	**UK DWS**	**65**	**14**		0.459	<0.001	<0.001	0.00212	0.00462	0.00141	0.00621	0.0368	0.00475	0.0061	0.0316	0.0216
Arsenic	mg/l	0.01	**UK DWS**	**65**	**2**		0.011	<0.0005	0.000619	0.00325	0.00378	0.00142	0.00887	0.00349	0.0045	0.00214	0.00439	0.00397
Barium	mg/l	0.7	**WHO**	**65**	**0**		0.159	0.00714	0.0097	0.1	0.109	0.0538	0.0472	0.0781	0.135	0.123	0.208	0.107
Beryllium	mg/l	0.004	**USEPA**	**65**	**0**		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Boron	mg/l	1	**UK DWS**	**65**	**2**		2.3	<0.01	<0.01	0.112	0.4	0.0917	0.186	0.239	0.212	0.765	0.843	0.9
Cadmium	mg/l	0.005	**UK DWS**	**65**	**0**		0.000109	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	0.000155
Hexavalent Chromium	mg/l	0.0034	**FEQS**	**65**	**1**		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Chromium III	mg/l	0.0047	**FEQS**	**65**	**0**		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Chromium	mg/l	0.05	**UK DWS**	**65**	**0**		0.00894	0.00976	0.0103	0.00132	0.0148	0.00859	0.00948	0.0078	0.00838	0.00688	0.0095	0.00844
Copper	mg/l	2	**UK DWS**	**65**	**0**		0.00464	0.000952	0.00246	<0.0003	0.00504	<0.0003	0.00189	0.0149	0.00191	0.00186	0.00326	0.000918
Iron	mg/l	0.2	**UK DWS**	**65**	**7**		<0.019	0.843	0.1	0.169	0.957	0.215	0.186	<0.019	<0.019	<0.019	<0.019	<0.019
Lead	mg/l	0.01	**UK DWS**	**65**	**1**		<0.0002	<0.0002	<0.0002	<0.0002	0.00114	0.000603	0.000756	0.00086	<0.0002	0.011	0.00431	0.000322
Manganese	mg/l	0.05	**UK DWS**	**65**	**8**		0.0141	<0.003	<0.003	0.676	0.0369	0.0253	0.0261	0.0342	0.0366	0.304	0.067	0.0258
Mercury	mg/l	0.001	**UK DWS**	**65**	**0**		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Molybdenum	mg/l	0.07	**WHO**	**65**	**4**		0.0649	<0.003	<0.003	0.0169	0.0171	0.0179	0.037	0.0309	0.0399	0.0173	0.0241	0.106
Nickel	mg/l	0.02	**UK DWS**	**65**	**5**		0.0186	0.000462	0.000546	0.00259	0.146	0.00375	0.00923	0.00362	0.00599	0.00875	0.00517	0.0142
Selenium	mg/l	0.01	**UK DWS**	**65**	**0**		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vanadium	mg/l	0.02	**FEQS**	**65**	**2**		0.00907	<0.001	<0.001	<0.001	<0.001	0.00105	0.00233	0.00147	<0.001	<0.001	<0.001	<0.001
Zinc	mg/l	5	**USEPA**	**65**	**0**		0.0021	<0.001	<0.001	0.00173	0.0195	0.0248	0.0044	0.00745	0.00291	0.0296	0.0236	0.00154
Calcium	mg/l	nc	-	**65**	**0**		24.2	23.9	29.8	135	51.7	48	30.6	42.5	48.6	114	40.1	17.1
Magnesium	mg/l	nc	-	**65**	**0**		1.16	0.2	0.534	3.73	3.02	2.07	3.04	3.48	3.13	7.57	17.4	4.91
Sodium	mg/l	50	**WHO**	**25**	**1**		43.1	1.11	1.57	18.9	5.57	3.96	20.6	7.72	7.72	8.64	11.2	13.8
Potassium	mg/l	nc	-	**25**	**0**		8.13	<0.2	0.601	5.34	6.15	2.72	18.7	11.1	11.1	7.4	13.1	10.8
Catechol	ug/l	7.7	**FEQS**	**40**	**0**													
Resorcinol	ug/l	7.7	**FEQS**	**40**	**0**													
Ethylphenol & Dimethylphenol	ug/l	100	**FEQS**	**40**	**0**													
Cresols	ug/l	100	**FEQS**	**40**	**0**													

Appendix G

G3 Soil Leachate Screening Assessment

Compound	Units	Screening Criteria	Standard	Number of samples	Number of Exceedences	Sample Identity	BH227	TP221	WS203	BH203	TP211	TP215	TP223	TP261	BH204	BH210	GW206	BH217
						Depth	1.80-2.00	0.20-0.20	0.20-0.30	5.30-5.40	3.00-3.00	4.10-4.30	3.50-3.70	5.50-5.50	11.00-11.20	6.80-7.00	7.60-7.80	13.20-13.50
						Date	07/12/2018	26/06/2018	21/06/2018	26/06/2018	14/06/2018	21/06/2018	25/06/2018	06/07/2018	09/07/2018	03/12/2018	29/11/2018	03/12/2018
						Waste Type	Non-Chalky Cover	Non-Chalky Cover	Non-Chalky Cover	Recent Domestic	Recent Domestic	Recent Domestic	Recent Domestic	Recent Domestic	Old Domestic	Old Domestic	Old Domestic	Construction
Naphthols	ug/l	7.7	**FEQS**	**40**	**0**													
Phenol	ug/l	7.7	**FEQS**	**40**	**0**													
Trimethylphenol	ug/l	100	**FEQS**	**40**	**0**													
Total Phenols	ug/l	7.7	**FEQS**	**40**	**0**													
Benzene	ug/l	1	**UK DWS**	**2**	**0**													
Toluene	ug/l	74	**FEQS**	**2**	**0**													
Ethylbenzene	ug/l	20	**FEQS**	**2**	**0**													
p & m-xylene	ug/l	30	**FEQS**	**2**	**0**													
o-xylene	ug/l	30	**FEQS**	**2**	**0**													
MTBE	ug/l	15	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C5-C6	ug/l	15000	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C6-C8	ug/l	15000	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C8-C10	ug/l	300	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C10-C12	ug/l	300	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C12-C16	ug/l	300	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C16-C21	ug/l	300	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C21-C35	ug/l	300	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic (C5-C35)	ug/l	nc	**-**	**2**	**0**													
TPH-CWG - Aromatic >C5-C7	ug/l	10	**WHO**	**2**	**0**													
TPH-CWG - Aromatic >C7-C8	ug/l	700	**WHO**	**2**	**0**													
TPH-CWG - Aromatic >C8-C10	ug/l	300	**WHO**	**2**	**0**													
TPH-CWG - Aromatic >C10-C12	ug/l	90	**WHO**	**2**	**0**													
TPH-CWG - Aromatic >C12-C16	ug/l	90	**WHO**	**2**	**0**													
TPH-CWG - Aromatic >C16-C21	ug/l	90	**WHO**	**2**	**0**													
TPH-CWG - Aromatic >C21-C35	ug/l	90	**WHO**	**2**	**0**													
TPH-CWG - Aromatic (C5-C35)	ug/l	nc	**-**	**2**	**0**													

Appendix G

G3 Soil Leachate Screening Assessment

Compound	Units	Screening Criteria	Standard	Number of samples	Number of Exceedences	Sample Identity	BH209 (PFCP73)	TP208	TP215	TP226	TP268A	WS224	BWS216	TP228	TP237	TP241	TP250	TP251
						Depth	4.70-4.90	0.60-0.80	0.80-1.00	1.50-1.50	1.50-1.50	3.60-3.90	2.20-2.50	2.50-2.50	4.50-4.50	4.50-4.50	4.10-4.20	4.00-4.20
						Date	11/07/2018	19/06/2018	21/06/2018	27/06/2018	13/07/2018	06/12/2018	16/07/2018	28/06/2018	12/07/2018	17/07/2018	03/12/2018	05/12/2018
						Waste Type	Construction	Construction	Construction	Construction	Construction	Construction	Industrial	Industrial	Industrial	Industrial	Industrial	Industrial
Temperature	°C	nc	-	**25**	**0**		19.6	20.6	20.6	20.8	21.2	16.7	22.8	20.9	21.6	23.1	17.3	14.9
pH	pH Units	6 to 9	**FEQS**	**25**	**0**		8.77	7.45	7.72	8.06	7.99	8.31	7.6	6.69	7.41	8.17	7.91	8.14
Conductivity @ 20 deg.C	µS/cm	2500	**UK DWS**	**25**	**0**		310	134	171	212	263	445	293	228	274	612	717	299
pH	pH Units	6 to 9	**FEQS**	**65**	**0**		8.73	8.31	8.25	8.3	8.2	7.64	8.31	8.2	8.16	8.25	7.83	8.04
Cyanide, Total	mg/l	0.05	**UK DWS**	**65**	**0**		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cyanide, Complex	mg/l	0.05	**UK DWS**	**59**	**0**		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cyanide, Free	mg/l	0.05	**UK DWS**	**65**	**0**		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Sulphate	mg/l	250	**UK DWS**	**65**	**1**		43.5	12.4	26.4	23.9	12.8	11.4	44.5	52.3	16.9	93.1	299	29.2
Sulphide	mg/l	nc	-	**65**	**0**		0.0364	<0.01	<0.01	<0.01	<0.01	0.0483	<0.01	<0.01	<0.01	<0.01	<0.01	0.0438
Chloride	mg/l	250	**UK DWS**	**65**	**0**		31.5	<2	<2	<2	8.4	15.9	<2	5.3	5.6	12.5	3.5	3
Fluoride	mg/l	1.5	**UK DWS**	**65**	**2**		<0.5	0.708	0.523	0.891	<0.5	<0.5	0.753	0.618	0.537	<0.5	<0.5	<0.5
Ammoniacal Nitrogen as N	mg/l	0.39	**UK DWS**	**63**	**20**		14	<0.2	<0.2	0.855	5.17	10.6	<0.2	2.41	5.93	23	20.7	6.51
Nitrite as NO_2	mg/l	0.5	**UK DWS**	**25**	**1**		0.246	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.088
Nitrate as NO_3	mg/l	50	**UK DWS**	**25**	**0**		<0.3	1.32	1.31	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.367	0.84	<0.3
Bromide	mg/l	nc	-	**25**	**0**		0.175	<0.06	<0.06	<0.06	<0.06	0.169	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Thiocyante	mg/l	0.05	**UK DWS**	**25**	**1**		0.292	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Alkalinity, Total as $CaCO_3$	mg/l	nc	-	**25**	**0**		95	65	90	105	135	222	125	85	140	215	100	154
Total Suspended Solids	mg/l	nc	-	**25**	**0**		-	-	-	-	-	8.6	-	-	-	-	-	20.9
Total Oxidised Nitrogen as N	mg/l	nc	-	**25**	**0**		<0.1	0.305	0.301	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.196	<0.1
Hardness, Total s $CaCO_3$	mg/l	nc	-	**25**	**0**		81.6	76.2	96.8	130	121	44.4	173	121	132	176	341	166
Antimony	mg/l	0.005	**UK DWS**	**65**	**14**		0.146	<0.001	0.0012	0.00222	0.0146	0.156	0.00543	0.00262	0.0208	0.0105	0.0167	0.0276
Arsenic	mg/l	0.01	**UK DWS**	**65**	**2**		0.0469	0.000897	0.000771	0.0013	0.00403	0.00662	<0.0005	0.00422	0.00618	0.00338	0.00493	0.00705
Barium	mg/l	0.7	**WHO**	**65**	**0**		0.358	0.0138	0.0572	0.117	0.208	0.122	0.147	0.0413	0.276	0.179	0.0928	0.211
Beryllium	mg/l	0.004	**USEPA**	**65**	**0**		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.000102	<0.0001	<0.0001	<0.0001	<0.0001
Boron	mg/l	1	**UK DWS**	**65**	**2**		0.347	0.0669	0.105	0.0276	0.2	0.464	0.188	0.0542	0.284	0.597	2.28	0.241
Cadmium	mg/l	0.005	**UK DWS**	**65**	**0**		0.000117	<0.00008	<0.00008	<0.00008	<0.00008	0.000453	0.0000828	<0.00008	<0.00008	0.0000819	<0.00008	0.00133
Hexavalent Chromium	mg/l	0.0034	**FEQS**	**65**	**1**		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.0374	<0.03	<0.03	<0.03
Chromium III	mg/l	0.0047	**FEQS**	**65**	**0**		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Chromium	mg/l	0.05	**UK DWS**	**65**	**0**		0.00912	0.00763	0.00996	0.00893	0.00798	0.00965	0.0142	0.0116	0.0077	0.0124	0.00823	0.00906
Copper	mg/l	2	**UK DWS**	**65**	**0**		0.0116	<0.0003	0.00302	0.0012	0.00471	0.00281	0.0181	0.0019	0.00592	0.00558	0.00694	0.0182
Iron	mg/l	0.2	**UK DWS**	**65**	**7**		0.466	<0.019	0.688	0.441	<0.019	<0.019	<0.019	1.82	<0.019	<0.019	<0.019	<0.019
Lead	mg/l	0.01	**UK DWS**	**65**	**1**		0.000752	<0.0002	0.00158	0.000969	0.0009	0.00265	0.00372	0.00341	0.000428	0.000372	0.00218	0.00178
Manganese	mg/l	0.05	**UK DWS**	**65**	**8**		<0.003	<0.003	0.0134	0.114	0.0389	0.0474	<0.003	0.0917	0.0698	0.0921	0.0348	0.0439
Mercury	mg/l	0.001	**UK DWS**	**65**	**0**		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Molybdenum	mg/l	0.07	**WHO**	**65**	**4**		0.151	0.006	0.00568	0.0106	0.0152	0.308	0.0098	0.0129	0.06	0.051	0.0299	0.922
Nickel	mg/l	0.02	**UK DWS**	**65**	**5**		0.0677	<0.0004	0.00152	0.00194	0.00609	0.106	0.014	0.00366	0.0371	0.0174	0.0125	0.0318
Selenium	mg/l	0.01	**UK DWS**	**65**	**0**		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vanadium	mg/l	0.02	**FEQS**	**65**	**2**		0.0251	<0.001	0.00185	0.00104	0.00156	0.00227	<0.001	0.00602	0.00274	<0.001	0.00112	0.0218
Zinc	mg/l	5	**USEPA**	**65**	**0**		0.00858	0.00129	0.00771	0.00498	0.0118	0.0234	0.00873	0.01	0.0534	0.0189	0.0101	0.0425
Calcium	mg/l	nc	-	**65**	**0**		29.8	26.1	31.4	45	43.3	14.9	63.1	36.4	48.7	56.6	115	54.6
Magnesium	mg/l	nc	-	**65**	**0**		1.74	0.629	1.47	0.942	3.08	0.826	1.71	0.869	2.36	5.36	4.97	2.56
Sodium	mg/l	50	**WHO**	**25**	**1**		15.4	3.36	4.17	1.96	9.45	78.3	1.99	8.18	2.98	27.4	5.67	2.85
Potassium	mg/l	nc	-	**25**	**0**		14.1	1.19	2.14	3.05	6.79	4.86	1.89	3.31	8.93	19	9.38	3.13
Catechol	ug/l	7.7	**FEQS**	**40**	**0**													
Resorcinol	ug/l	7.7	**FEQS**	**40**	**0**													
Ethylphenol & Dimethylphenol	ug/l	100	**FEQS**	**40**	**0**													
Cresols	ug/l	100	**FEQS**	**40**	**0**													

Appendix G

G3 Soil Leachate Screening Assessment

Compound	Units	Screening Criteria	Standard	Number of samples	Number of Exceedences	Sample Identity	BH209 (PFCP73)	TP208	TP215	TP226	TP268A	WS224	BWS216	TP228	TP237	TP241	TP250	TP251
						Depth	4.70-4.90	0.60-0.80	0.80-1.00	1.50-1.50	1.50-1.50	3.60-3.90	2.20-2.50	2.50-2.50	4.50-4.50	4.50-4.50	4.10-4.20	4.00-4.20
						Date	11/07/2018	19/06/2018	21/06/2018	27/06/2018	13/07/2018	06/12/2018	16/07/2018	28/06/2018	12/07/2018	17/07/2018	03/12/2018	05/12/2018
						Waste Type	Construction	Construction	Construction	Construction	Construction	Construction	Industrial	Industrial	Industrial	Industrial	Industrial	Industrial
Naphthols	ug/l	7.7	**FEQS**	**40**	**0**													
Phenol	ug/l	7.7	**FEQS**	**40**	**0**													
Trimethylphenol	ug/l	100	**FEQS**	**40**	**0**													
Total Phenols	ug/l	7.7	**FEQS**	**40**	**0**													
Benzene	ug/l	1	**UK DWS**	**2**	**0**													
Toluene	ug/l	74	**FEQS**	**2**	**0**													
Ethylbenzene	ug/l	20	**FEQS**	**2**	**0**													
p & m-xylene	ug/l	30	**FEQS**	**2**	**0**													
o-xylene	ug/l	30	**FEQS**	**2**	**0**													
MTBE	ug/l	15	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C5-C6	ug/l	15000	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C6-C8	ug/l	15000	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C8-C10	ug/l	300	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C10-C12	ug/l	300	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C12-C16	ug/l	300	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C16-C21	ug/l	300	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C21-C35	ug/l	300	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic (C5-C35)	ug/l	nc	**-**	**2**	**0**													
TPH-CWG - Aromatic >C5-C7	ug/l	10	**WHO**	**2**	**0**													
TPH-CWG - Aromatic >C7-C8	ug/l	700	**WHO**	**2**	**0**													
TPH-CWG - Aromatic >C8-C10	ug/l	300	**WHO**	**2**	**0**													
TPH-CWG - Aromatic >C10-C12	ug/l	90	**WHO**	**2**	**0**													
TPH-CWG - Aromatic >C12-C16	ug/l	90	**WHO**	**2**	**0**													
TPH-CWG - Aromatic >C16-C21	ug/l	90	**WHO**	**2**	**0**													
TPH-CWG - Aromatic >C21-C35	ug/l	90	**WHO**	**2**	**0**													
TPH-CWG - Aromatic (C5-C35)	ug/l	nc	**-**	**2**	**0**													

Appendix G

G3 Soil Leachate Screening Assessment

Compound	Units	Screening Criteria	Standard	Number of samples	Number of Exceedences	Sample Identity	TP263	Concept_BH01	Concept_BH2	Concept_BH2	Concept_BH05	Concept_BH07	Concept_BH07	Concept_BH08	Concept_BH08	Concept_BH9	Concept_BH10	Concept_WS03
						Depth	3.50-3.50	0.7	0.2	0.5	0.4	0.5	1	0.1	0.5	0.3	0.1-0.3	0.5
						Date	09/07/2018	09/10/2014	11/08/2014	11/08/2014	02/10/2014	22/08/2014	22/08/2014	12/08/2014	12/08/2014	06/08/2017	21/08/2014	15/09/2014
						Waste Type	Commercial	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Temperature	°C	nc	-	**25**	**0**		21.6											
pH	pH Units	6 to 9	**FEQS**	**25**	**0**		8.25											
Conductivity @ 20 deg.C	µS/cm	2500	**UK DWS**	**25**	**0**		598											
pH	pH Units	6 to 9	**FEQS**	**65**	**0**		8.16	8.1	8.2	7.9	10.2	10.4	11.2	10.7	8.2	9.4	8.3	11.2
Cyanide, Total	mg/l	0.05	**UK DWS**	**65**	**0**		<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide, Complex	mg/l	0.05	**UK DWS**	**59**	**0**		<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Cyanide, Free	mg/l	0.05	**UK DWS**	**65**	**0**		<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sulphate	mg/l	250	**UK DWS**	**65**	**1**		124	5.02	3.74	3.95	47.1	13	22.2	39.2	6.51	23.3	1.94	16.8
Sulphide	mg/l	nc	-	**65**	**0**		<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	mg/l	250	**UK DWS**	**65**	**0**		18.3	0.97	4.6	16	0.61	15	37	4.1	6.8	23	<4	41
Fluoride	mg/l	1.5	**UK DWS**	**65**	**2**		<0.5	0.15	0.068	0.32	0.26	0.13	0.12	0.18	0.17	0.28	0.11	0.068
Ammoniacal Nitrogen as N	mg/l	0.39	**UK DWS**	**63**	**20**		24.2	0.2	0.18	1.4	0.072	0.065	0.039	0.13	1	0.16	0.12	0.024
Nitrite as NO_2	mg/l	0.5	**UK DWS**	**25**	**1**		<0.05											
Nitrate as NO_3	mg/l	50	**UK DWS**	**25**	**0**		<0.3											
Bromide	mg/l	nc	-	**25**	**0**		0.1											
Thiocyante	mg/l	0.05	**UK DWS**	**25**	**1**		<0.05											
Alkalinity, Total as $CaCO_3$	mg/l	nc	-	**25**	**0**		180											
Total Suspended Solids	mg/l	nc	-	**25**	**0**		-											
Total Oxidised Nitrogen as N	mg/l	nc	-	**25**	**0**		<0.1											
Hardness, Total s $CaCO_3$	mg/l	nc	-	**25**	**0**		161											
Antimony	mg/l	0.005	**UK DWS**	**65**	**14**		0.00428	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Arsenic	mg/l	0.01	**UK DWS**	**65**	**2**		0.00368	0.0075	0.0018	0.0042	0.005	0.0027	0.0013	0.0073	<0.0011	0.0087	0.0074	<0.0011
Barium	mg/l	0.7	**WHO**	**65**	**0**		0.0689	0.017	0.036	0.031	0.012	0.043	0.085	0.037	0.025	0.013	0.016	0.05
Beryllium	mg/l	0.004	**USEPA**	**65**	**0**		<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0006
Boron	mg/l	1	**UK DWS**	**65**	**2**		0.229	<0.01	<0.01	0.017	0.037	<0.01	<0.01	0.033	0.018	0.041	<0.01	0.016
Cadmium	mg/l	0.005	**UK DWS**	**65**	**0**		<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Hexavalent Chromium	mg/l	0.0034	**FEQS**	**65**	**1**		<0.03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium III	mg/l	0.0047	**FEQS**	**65**	**0**		<0.03	<0.001	<0.001	0.0033	0.0016	0.009	0.024	0.0031	0.0068	0.0028	<0.001	0.0091
Chromium	mg/l	0.05	**UK DWS**	**65**	**0**		0.00736	<0.001	<0.001	0.0033	0.0016	0.009	0.024	0.0031	0.0068	0.0028	0.0007	0.0091
Copper	mg/l	2	**UK DWS**	**65**	**0**		0.00121	0.0047	0.0043	0.011	0.019	0.0031	0.0007	0.0058	0.0042	0.0092	0.0046	0.003
Iron	mg/l	0.2	**UK DWS**	**65**	**7**		<0.019	0.32	1.4	2.9	0.31	0.17	0.044	1.2	4.5	0.91	0.66	0.02
Lead	mg/l	0.01	**UK DWS**	**65**	**1**		<0.0002	0.0016	0.0041	0.0022	0.0056	0.0058	0.0025	0.0026	0.003	0.002	0.0052	0.0051
Manganese	mg/l	0.05	**UK DWS**	**65**	**8**		0.0859	0.029	0.056	0.027	0.0099	0.0029	0.00066	0.024	0.018	0.016	0.014	0.0019
Mercury	mg/l	0.001	**UK DWS**	**65**	**0**		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.0005	<0.00001	<0.00001	<0.0005
Molybdenum	mg/l	0.07	**WHO**	**65**	**4**		0.0333	0.0004	<0.0004	<0.0004	0.0009	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	0.0008	0.0024
Nickel	mg/l	0.02	**UK DWS**	**65**	**5**		0.0191	<0.0003	0.001	0.0016	0.0049	0.0004	<0.0003	0.0024	0.0035	0.0017	0.0006	<0.0003
Selenium	mg/l	0.01	**UK DWS**	**65**	**0**		<0.001	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Vanadium	mg/l	0.02	**FEQS**	**65**	**2**		<0.001	0.0092	0.0084	0.0074	0.11	0.0069	<0.0017	0.011	<0.0017	0.013	0.014	0.013
Zinc	mg/l	5	**USEPA**	**65**	**0**		0.00473	0.0019	0.005	0.0042	0.0039	<0.0004	0.0026	0.0034	0.0064	0.0085	0.0017	<0.0004
Calcium	mg/l	nc	-	**65**	**0**		54.4	6.6	5.5	14	27	23	94	28	3.7	7	4.9	52
Magnesium	mg/l	nc	-	**65**	**0**		5.99	0.32	1.6	0.74	0.041	0.29	0.14	0.34	0.6	0.31	0.54	0.08
Sodium	mg/l	50	**WHO**	**25**	**1**		17.8											
Potassium	mg/l	nc	-	**25**	**0**		34											
Catechol	ug/l	7.7	**FEQS**	**40**	**0**			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Resorcinol	ug/l	7.7	**FEQS**	**40**	**0**			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylphenol & Dimethylphenol	ug/l	100	**FEQS**	**40**	**0**			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cresols	ug/l	100	**FEQS**	**40**	**0**			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Appendix G

G3 Soil Leachate Screening Assessment

Compound	Units	Screening Criteria	Standard	Number of samples	Number of Exceedences											
Sample Identity						TP263	Concept_BH01	Concept_BH2	Concept_BH2	Concept_BH05	Concept_BH07	Concept_BH07	Concept_BH08	Concept_BH08	Concept_BH9	Concept_BH10	Concept_WS03
Depth						3.50-3.50	0.7	0.2	0.5	0.4	0.5	1	0.1	0.5	0.3	0.1-0.3	0.5
Date						09/07/2018	09/10/2014	11/08/2014	11/08/2014	02/10/2014	22/08/2014	22/08/2014	12/08/2014	12/08/2014	06/08/2017	21/08/2014	15/09/2014
Waste Type						Commercial	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Naphthols	ug/l	7.7	**FEQS**	**40**	**0**		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Phenol	ug/l	7.7	**FEQS**	**40**	**0**		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trimethylphenol	ug/l	100	**FEQS**	**40**	**0**		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Phenols	ug/l	7.7	**FEQS**	**40**	**0**		<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
Benzene	ug/l	1	**UK DWS**	**2**	**0**						<1	<1					
Toluene	ug/l	74	**FEQS**	**2**	**0**						<1	<1					
Ethylbenzene	ug/l	20	**FEQS**	**2**	**0**						<1	<1					
p & m-xylene	ug/l	30	**FEQS**	**2**	**0**						<1	<1					
o-xylene	ug/l	30	**FEQS**	**2**	**0**						<1	<1					
MTBE	ug/l	15	**WHO**	**2**	**0**						<10	<10					
TPH-CWG - Aliphatic >C5-C6	ug/l	15000	**WHO**	**2**	**0**						<10	<10					
TPH-CWG - Aliphatic >C6-C8	ug/l	15000	**WHO**	**2**	**0**						<10	<10					
TPH-CWG - Aliphatic >C8-C10	ug/l	300	**WHO**	**2**	**0**						<10	<10					
TPH-CWG - Aliphatic >C10-C12	ug/l	300	**WHO**	**2**	**0**						<10	<10					
TPH-CWG - Aliphatic >C12-C16	ug/l	300	**WHO**	**2**	**0**						<10	<10					
TPH-CWG - Aliphatic >C16-C21	ug/l	300	**WHO**	**2**	**0**						<10	<10					
TPH-CWG - Aliphatic >C21-C35	ug/l	300	**WHO**	**2**	**0**						<10	<10					
TPH-CWG - Aliphatic (C5-C35)	ug/l	nc	**-**	**2**	**0**						<10	<10					
TPH-CWG - Aromatic >C5-C7	ug/l	10	**WHO**	**2**	**0**						<10	<10					
TPH-CWG - Aromatic >C7-C8	ug/l	700	**WHO**	**2**	**0**						<10	<10					
TPH-CWG - Aromatic >C8-C10	ug/l	300	**WHO**	**2**	**0**						<10	<10					
TPH-CWG - Aromatic >C10-C12	ug/l	90	**WHO**	**2**	**0**						<10	<10					
TPH-CWG - Aromatic >C12-C16	ug/l	90	**WHO**	**2**	**0**						<10	<10					
TPH-CWG - Aromatic >C16-C21	ug/l	90	**WHO**	**2**	**0**						<10	<10					
TPH-CWG - Aromatic >C21-C35	ug/l	90	**WHO**	**2**	**0**						<10	<10					
TPH-CWG - Aromatic (C5-C35)	ug/l	nc	**-**	**2**	**0**						<10	<10					

Appendix G

G3 Soil Leachate Screening Assessment

Compound	Units	Screening Criteria	Standard	Number of samples	Number of Exceedences	Concept_WS 04	Concept_WS 05	Concept_WS 05	Concept_WS 06	Concept_TP0 3	Concept_TP0 5	Concept_TP0 6	Concept_TP0 6	Concept_TP0 6	Concept_TP0 7	Concept_TP0 8	Concept_TP0 8
Sample Identity																	
Depth						0.8	1	1.5	0.5	0.7	0.5	0.6	1	1.75	0.5	0.6	1.6
Date						07/11/2014	07/11/2014	07/11/2014	15/09/2014	30/10/2014	30/10/2014	02/10/2014	02/10/2014	02/10/2014	30/10/2014	09/10/2014	09/10/2014
Waste Type						MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Temperature	°C	nc	-	25	0												
pH	pH Units	6 to 9	FEQS	25	0												
Conductivity @ 20 deg.C	µS/cm	2500	UK DWS	25	0												
pH	pH Units	6 to 9	FEQS	65	0	7.7	7.9	8	7.9	7.7	7.9	8.2	8	8	7.8	7.8	7.6
Cyanide, Total	mg/l	0.05	UK DWS	65	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide, Complex	mg/l	0.05	UK DWS	59	0	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide, Free	mg/l	0.05	UK DWS	65	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sulphate	mg/l	250	UK DWS	65	1	4.7	2.32	1.37	4.28	7.21	7.82	5.77	<0.1	22.6	20.9	2.5	64.6
Sulphide	mg/l	nc	-	65	0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	mg/l	250	UK DWS	65	0	2	3.5	2	13	3.1	2.4	0.26	<0.15	<0.15	2.9	0.2	0.35
Fluoride	mg/l	1.5	UK DWS	65	2	0.29	0.28	0.17	0.25	0.37	0.23	0.27	1.1	0.91	0.4	0.21	0.46
Ammoniacal Nitrogen as N	mg/l	0.39	UK DWS	63	20	0.61	0.69	0.58	<0.015	3	0.67	<0.015	0.02	<0.015	0.84	0.16	0.87
Nitrite as NO_2	mg/l	0.5	UK DWS	25	1												
Nitrate as NO_3	mg/l	50	UK DWS	25	0												
Bromide	mg/l	nc	-	25	0												
Thiocyante	mg/l	0.05	UK DWS	25	1												
Alkalinity, Total as $CaCO_3$	mg/l	nc	-	25	0												
Total Suspended Solids	mg/l	nc	-	25	0												
Total Oxidised Nitrogen as N	mg/l	nc	-	25	0												
Hardness, Total s $CaCO_3$	mg/l	nc	-	25	0												
Antimony	mg/l	0.005	UK DWS	65	14	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	0.004
Arsenic	mg/l	0.01	UK DWS	65	2	<0.0011	0.0024	<0.0011	<0.0011	0.0014	0.0031	0.0064	0.0026	<0.0011	0.0032	0.0041	0.0049
Barium	mg/l	0.7	WHO	65	0	0.013	0.031	0.033	0.022	0.049	0.027	0.027	0.022	0.025	0.05	0.036	0.075
Beryllium	mg/l	0.004	USEPA	65	0	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Boron	mg/l	1	UK DWS	65	2	<0.01	0.014	0.012	0.02	0.014	<0.01	<0.01	0.043	0.039	0.016	<0.01	0.066
Cadmium	mg/l	0.005	UK DWS	65	0	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Hexavalent Chromium	mg/l	0.0034	FEQS	65	1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium III	mg/l	0.0047	FEQS	65	0	0.0017	0.0043	0.0043	0.0046	0.0042	0.0041	0.0024	0.0044	0.0039	0.0054	0.0017	0.0016
Chromium	mg/l	0.05	UK DWS	65	0	0.0017	0.0043	0.0043	0.0046	0.0042	0.0041	0.0024	0.0044	0.0039	0.0054	0.0017	0.0016
Copper	mg/l	2	UK DWS	65	0	<0.0007	0.0008	<0.0007	0.0024	0.001	0.0016	0.0031	0.0024	0.0024	0.003	0.0088	0.011
Iron	mg/l	0.2	UK DWS	65	7	0.78	1.5	1.4	1.4	2	1.9	0.72	2	1.5	2.7	0.94	0.79
Lead	mg/l	0.01	UK DWS	65	1	0.0012	0.0014	0.0029	0.0058	0.0035	0.006	0.0066	0.0032	0.0029	0.0049	0.0063	0.0053
Manganese	mg/l	0.05	UK DWS	65	8	0.0056	0.011	0.01	0.005	0.02	0.023	0.0097	0.011	0.0085	0.044	0.018	0.083
Mercury	mg/l	0.001	UK DWS	65	0	<0.00001	<0.00001	<0.00001	<0.0005	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Molybdenum	mg/l	0.07	WHO	65	4	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	0.0016	0.0058	<0.0004	<0.0004	0.0052
Nickel	mg/l	0.02	UK DWS	65	5	0.0008	0.0054	0.0048	0.0019	0.0027	0.0026	0.0022	0.0028	0.0018	0.0032	0.0006	0.0017
Selenium	mg/l	0.01	UK DWS	65	0	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Vanadium	mg/l	0.02	FEQS	65	2	<0.0017	0.0044	0.0037	0.0078	0.0034	0.0079	0.023	0.0072	0.0066	0.008	0.011	0.0024
Zinc	mg/l	5	USEPA	65	0	0.003	0.015	0.0067	0.0037	0.0041	0.018	0.008	0.0075	0.0062	0.014	0.0094	0.006
Calcium	mg/l	nc	-	65	0	4.8	15	13	5.5	17	14	15	23	21	20	8.7	25
Magnesium	mg/l	nc	-	65	0	0.25	0.34	0.32	0.73	0.52	0.69	0.57	4.5	1.8	0.75	0.76	6
Sodium	mg/l	50	WHO	25	1												
Potassium	mg/l	nc	-	25	0												
Catechol	ug/l	7.7	FEQS	40	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Resorcinol	ug/l	7.7	FEQS	40	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylphenol & Dimethylphenol	ug/l	100	FEQS	40	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cresols	ug/l	100	FEQS	40	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Appendix G

G3 Soil Leachate Screening Assessment

Compound	Units	Screening Criteria	Standard	Number of samples	Number of Exceedences	Sample Identity	Concept_WS 04	Concept_WS 05	Concept_WS 05	Concept_WS 06	Concept_TP0 3	Concept_TP0 5	Concept_TP0 6	Concept_TP0 6	Concept_TP0 6	Concept_TP0 7	Concept_TP0 8	Concept_TP0 8
						Depth	0.8	1	1.5	0.5	0.7	0.5	0.6	1	1.75	0.5	0.6	1.6
						Date	07/11/2014	07/11/2014	07/11/2014	15/09/2014	30/10/2014	30/10/2014	02/10/2014	02/10/2014	02/10/2014	30/10/2014	09/10/2014	09/10/2014
						Waste Type	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Naphthols	ug/l	7.7	**FEQS**	**40**	**0**		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Phenol	ug/l	7.7	**FEQS**	**40**	**0**		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trimethylphenol	ug/l	100	**FEQS**	**40**	**0**		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Phenols	ug/l	7.7	**FEQS**	**40**	**0**		<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
Benzene	ug/l	1	**UK DWS**	**2**	**0**													
Toluene	ug/l	74	**FEQS**	**2**	**0**													
Ethylbenzene	ug/l	20	**FEQS**	**2**	**0**													
p & m-xylene	ug/l	30	**FEQS**	**2**	**0**													
o-xylene	ug/l	30	**FEQS**	**2**	**0**													
MTBE	ug/l	15	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C5-C6	ug/l	15000	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C6-C8	ug/l	15000	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C8-C10	ug/l	300	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C10-C12	ug/l	300	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C12-C16	ug/l	300	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C16-C21	ug/l	300	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic >C21-C35	ug/l	300	**WHO**	**2**	**0**													
TPH-CWG - Aliphatic (C5-C35)	ug/l	nc	**-**	**2**	**0**													
TPH-CWG - Aromatic >C5-C7	ug/l	10	**WHO**	**2**	**0**													
TPH-CWG - Aromatic >C7-C8	ug/l	700	**WHO**	**2**	**0**													
TPH-CWG - Aromatic >C8-C10	ug/l	300	**WHO**	**2**	**0**													
TPH-CWG - Aromatic >C10-C12	ug/l	90	**WHO**	**2**	**0**													
TPH-CWG - Aromatic >C12-C16	ug/l	90	**WHO**	**2**	**0**													
TPH-CWG - Aromatic >C16-C21	ug/l	90	**WHO**	**2**	**0**													
TPH-CWG - Aromatic >C21-C35	ug/l	90	**WHO**	**2**	**0**													
TPH-CWG - Aromatic (C5-C35)	ug/l	nc	**-**	**2**	**0**													

Appendix G

G3 Soil Leachate Screening Assessment

Compound	Units	Screening Criteria	Standard	Number of samples	Number of Exceedences	Concept_TP09	Concept_TP10	Concept_TP11	Concept_TP12	Concept_TP14	Concept_TP14	Concept_TP14A	Concept_TP15	Concept_TP17	Concept_TP18	Concept_TP18	Concept_TP19
Sample Identity						Concept_TP09	Concept_TP10	Concept_TP11	Concept_TP12	Concept_TP14	Concept_TP14	Concept_TP14A	Concept_TP15	Concept_TP17	Concept_TP18	Concept_TP18	Concept_TP19
Depth						0.5	0.5	0.5	0.4	0.5	1	0.5	0.4	0.5	0.5	1.5	1
Date						07/11/2014	07/11/2014	07/11/2014	17/09/2014	28/08/2014	28/08/2014	27/08/2014	11/08/2014	12/08/2014	15/09/2014	15/09/2014	15/09/2014
Waste Type						MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Temperature	°C	nc	-	25	0												
pH	pH Units	6 to 9	FEQS	25	0												
Conductivity @ 20 deg.C	µS/cm	2500	UK DWS	25	0												
pH	pH Units	6 to 9	FEQS	65	0	10.1	9.6	8.8	7.4	7.5	7.4	10.8	11	10.9	7.4	8.5	8.8
Cyanide, Total	mg/l	0.05	UK DWS	65	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide, Complex	mg/l	0.05	UK DWS	59	0	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01			
Cyanide, Free	mg/l	0.05	UK DWS	65	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sulphate	mg/l	250	UK DWS	65	1	12.4	17.6	4.02	117	3.2	3.29	37.2	36	14.2	476	10.9	24.9
Sulphide	mg/l	nc	-	65	0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	mg/l	250	UK DWS	65	0	1.5	1.3	2.8	<4	<4	<4	34	9.7	13	8.1	<4.0	15
Fluoride	mg/l	1.5	UK DWS	65	2	0.32	0.29	0.5	0.35	0.14	0.21	0.12	0.222	0.098	0.13	0.098	0.18
Ammoniacal Nitrogen as N	mg/l	0.39	UK DWS	63	20	0.62	0.53	0.62	0.021	0.31	0.14	0.22	0.2	0.16	0.075	0.13	0.11
Nitrite as NO_2	mg/l	0.5	UK DWS	25	1												
Nitrate as NO_3	mg/l	50	UK DWS	25	0												
Bromide	mg/l	nc	-	25	0												
Thiocyante	mg/l	0.05	UK DWS	25	1												
Alkalinity, Total as $CaCO_3$	mg/l	nc	-	25	0												
Total Suspended Solids	mg/l	nc	-	25	0												
Total Oxidised Nitrogen as N	mg/l	nc	-	25	0												
Hardness, Total s $CaCO_3$	mg/l	nc	-	25	0												
Antimony	mg/l	0.005	UK DWS	65	14	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Arsenic	mg/l	0.01	UK DWS	65	2	<0.0011	0.0021	0.0049	0.0066	0.0061	0.0012	0.0015	0.0052	0.0015	0.0019	0.0028	0.0059
Barium	mg/l	0.7	WHO	65	0	0.023	0.025	0.033	0.049	0.023	0.019	0.058	0.056	0.064	0.088	0.037	0.035
Beryllium	mg/l	0.004	USEPA	65	0	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Boron	mg/l	1	UK DWS	65	2	0.012	0.047	<0.01	0.057	0.035	0.029	0.032	0.048	0.011	0.019	0.023	0.044
Cadmium	mg/l	0.005	UK DWS	65	0	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Hexavalent Chromium	mg/l	0.0034	FEQS	65	1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium III	mg/l	0.0047	FEQS	65	0	0.011	0.0052	0.0058	0.0018	0.001	0.0032	0.013	0.0059	0.01	<0.001	0.0066	0.0054
Chromium	mg/l	0.05	UK DWS	65	0	0.011	0.0052	0.0058	0.0018	0.001	0.0032	0.013	0.0059	0.01	0.0005	0.0066	0.0054
Copper	mg/l	2	UK DWS	65	0	0.0043	<0.0007	0.0023	0.0017	0.008	0.0009	0.0038	0.013	0.0025	0.002	0.0047	0.01
Iron	mg/l	0.2	UK DWS	65	7	0.064	0.25	2.4	0.17	0.89	1.7	0.095	0.69	1.2	0.064	0.28	2.3
Lead	mg/l	0.01	UK DWS	65	1	0.002	0.0016	0.0079	0.0048	0.0036	<0.001	0.0041	0.006	0.0034	0.0033	0.013	0.017
Manganese	mg/l	0.05	UK DWS	65	8	0.0011	0.004	0.026	0.0041	0.013	0.0064	0.0016	0.017	0.0092	0.0018	0.033	0.024
Mercury	mg/l	0.001	UK DWS	65	0	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0005	<0.0005	<0.0005
Molybdenum	mg/l	0.07	WHO	65	4	<0.0004	<0.0004	<0.004	0.0048	0.0015	<0.0004	<0.0004	0.7	<0.0004	0.0015	<0.0004	<0.0004
Nickel	mg/l	0.02	UK DWS	65	5	0.0004	0.0006	0.0031	<0.0003	0.0014	0.0012	0.0005	0.0022	0.0014	<0.0003	0.0027	0.0026
Selenium	mg/l	0.01	UK DWS	65	0	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Vanadium	mg/l	0.02	FEQS	65	2	0.0072	0.0057	0.01	0.011	0.023	0.004	<0.0021	0.012	0.012	0.01	0.016	0.01
Zinc	mg/l	5	USEPA	65	0	0.0027	0.0036	0.015	<0.0004	0.0026	0.0039	0.0007	0.0089	0.0055	0.0041	0.023	0.0074
Calcium	mg/l	nc	-	65	0	9.5	17	15	48	6.2	3.9	32	11	8.2	190	11	12
Magnesium	mg/l	nc	-	65	0	0.056	0.047	0.78	0.84	0.77	0.45	0.2	0.33	0.43	1.4	0.82	0.7
Sodium	mg/l	50	WHO	25	1												
Potassium	mg/l	nc	-	25	0												
Catechol	ug/l	7.7	FEQS	40	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Resorcinol	ug/l	7.7	FEQS	40	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylphenol & Dimethylphenol	ug/l	100	FEQS	40	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cresols	ug/l	100	FEQS	40	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Appendix G

G3 Soil Leachate Screening Assessment

Compound	Units	Screening Criteria	Standard	Number of samples	Number of Exceedences	Concept_TP09	Concept_TP10	Concept_TP11	Concept_TP12	Concept_TP14	Concept_TP14	Concept_TP14A	Concept_TP15	Concept_TP17	Concept_TP18	Concept_TP18	Concept_TP19
Sample Identity						Concept_TP09	Concept_TP10	Concept_TP11	Concept_TP12	Concept_TP14	Concept_TP14	Concept_TP14A	Concept_TP15	Concept_TP17	Concept_TP18	Concept_TP18	Concept_TP19
Depth						0.5	0.5	0.5	0.4	0.5	1	0.5	0.4	0.5	0.5	1.5	1
Date						07/11/2014	07/11/2014	07/11/2014	17/09/2014	28/08/2014	28/08/2014	27/08/2014	11/08/2014	12/08/2014	15/09/2014	15/09/2014	15/09/2014
Waste Type						MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Naphthols	ug/l	7.7	**FEQS**	**40**	**0**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Phenol	ug/l	7.7	**FEQS**	**40**	**0**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trimethylphenol	ug/l	100	**FEQS**	**40**	**0**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Phenols	ug/l	7.7	**FEQS**	**40**	**0**	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
Benzene	ug/l	1	**UK DWS**	**2**	**0**												
Toluene	ug/l	74	**FEQS**	**2**	**0**												
Ethylbenzene	ug/l	20	**FEQS**	**2**	**0**												
p & m-xylene	ug/l	30	**FEQS**	**2**	**0**												
o-xylene	ug/l	30	**FEQS**	**2**	**0**												
MTBE	ug/l	15	**WHO**	**2**	**0**												
TPH-CWG - Aliphatic >C5-C6	ug/l	15000	**WHO**	**2**	**0**												
TPH-CWG - Aliphatic >C6-C8	ug/l	15000	**WHO**	**2**	**0**												
TPH-CWG - Aliphatic >C8-C10	ug/l	300	**WHO**	**2**	**0**												
TPH-CWG - Aliphatic >C10-C12	ug/l	300	**WHO**	**2**	**0**												
TPH-CWG - Aliphatic >C12-C16	ug/l	300	**WHO**	**2**	**0**												
TPH-CWG - Aliphatic >C16-C21	ug/l	300	**WHO**	**2**	**0**												
TPH-CWG - Aliphatic >C21-C35	ug/l	300	**WHO**	**2**	**0**												
TPH-CWG - Aliphatic (C5-C35)	ug/l	nc	**-**	**2**	**0**												
TPH-CWG - Aromatic >C5-C7	ug/l	10	**WHO**	**2**	**0**												
TPH-CWG - Aromatic >C7-C8	ug/l	700	**WHO**	**2**	**0**												
TPH-CWG - Aromatic >C8-C10	ug/l	300	**WHO**	**2**	**0**												
TPH-CWG - Aromatic >C10-C12	ug/l	90	**WHO**	**2**	**0**												
TPH-CWG - Aromatic >C12-C16	ug/l	90	**WHO**	**2**	**0**												
TPH-CWG - Aromatic >C16-C21	ug/l	90	**WHO**	**2**	**0**												
TPH-CWG - Aromatic >C21-C35	ug/l	90	**WHO**	**2**	**0**												
TPH-CWG - Aromatic (C5-C35)	ug/l	nc	**-**	**2**	**0**												

Appendix G

G3 Soil Leachate Screening Assessment

Compound	Units	Screening Criteria	Standard	Number of samples	Number of Exceedences	Concept_TP22	Concept_TP25	Concept_BH01	Concept_BH06	Concept_TP01	Concept_TP19
Sample Identity						Concept_TP22	Concept_TP25	Concept_BH01	Concept_BH06	Concept_TP01	Concept_TP19
Depth						0.5	0.5	1.2-1.5	0.8	0.5	2
Date						04/09/2014	03/09/2014	09/10/2014	02/10/2014	09/10/2014	15/09/2014
Waste Type						MG	MG	CwF	CwF	CwF	CwF
Temperature	°C	nc	-	25	0						
pH	pH Units	6 to 9	FEQS	25	0						
Conductivity @ 20 deg.C	µS/cm	2500	UK DWS	25	0						
pH	pH Units	6 to 9	FEQS	65	0	8.2	8.4	8.1	8.3	7.8	8.2
Cyanide, Total	mg/l	0.05	UK DWS	65	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide, Complex	mg/l	0.05	UK DWS	59	0	<0.01	<0.01	<0.01	<0.01	<0.01	
Cyanide, Free	mg/l	0.05	UK DWS	65	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sulphate	mg/l	250	UK DWS	65	1	1.28	2.27	3.75	20	14.5	5.48
Sulphide	mg/l	nc	-	65	0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	mg/l	250	UK DWS	65	0	<4	<4	1.1	0.7	2.8	6.3
Fluoride	mg/l	1.5	UK DWS	65	2	0.19	0.18	0.079	0.49	0.45	0.19
Ammoniacal Nitrogen as N	mg/l	0.39	UK DWS	63	20			0.13	<0.015	2.6	0.64
Nitrite as NO_2	mg/l	0.5	UK DWS	25	1						
Nitrate as NO_3	mg/l	50	UK DWS	25	0						
Bromide	mg/l	nc	-	25	0						
Thiocyante	mg/l	0.05	UK DWS	25	1						
Alkalinity, Total as $CaCO_3$	mg/l	nc	-	25	0						
Total Suspended Solids	mg/l	nc	-	25	0						
Total Oxidised Nitrogen as N	mg/l	nc	-	25	0						
Hardness, Total s $CaCO_3$	mg/l	nc	-	25	0						
Antimony	mg/l	0.005	UK DWS	65	14	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Arsenic	mg/l	0.01	UK DWS	65	2	0.0015	0.0023	<0.0011	<0.0011	0.0073	0.0046
Barium	mg/l	0.7	WHO	65	0	0.019	0.068	0.0036	0.016	0.04	0.029
Beryllium	mg/l	0.004	USEPA	65	0	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Boron	mg/l	1	UK DWS	65	2	0.011	<0.01	<0.01	0.01	0.027	0.02
Cadmium	mg/l	0.005	UK DWS	65	0	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Hexavalent Chromium	mg/l	0.0034	FEQS	65	1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium III	mg/l	0.0047	FEQS	65	0	0.0017	0.0023	<0.001	0.0018	0.0019	0.0073
Chromium	mg/l	0.05	UK DWS	65	0	0.0017	0.0023	<0.001	0.0018	0.0019	0.0073
Copper	mg/l	2	UK DWS	65	0	0.0017	0.0063	0.0096	0.0014	0.012	0.0022
Iron	mg/l	0.2	UK DWS	65	7	1.1	1.5	0.41	0.85	0.99	3.1
Lead	mg/l	0.01	UK DWS	65	1	0.0013	0.0087	0.002	0.0029	0.0037	0.0085
Manganese	mg/l	0.05	UK DWS	65	8	0.0031	0.098	0.0019	0.016	0.031	0.025
Mercury	mg/l	0.001	UK DWS	65	0	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0005
Molybdenum	mg/l	0.07	WHO	65	4	<0.0004	<0.0004	<0.0004	0.0006	<0.0004	<0.0004
Nickel	mg/l	0.02	UK DWS	65	5	0.0007	0.003	0.0009	0.01	0.0027	0.0023
Selenium	mg/l	0.01	UK DWS	65	0	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Vanadium	mg/l	0.02	FEQS	65	2	<0.0017	0.0031	<0.0017	<0.0017	0.013	0.012
Zinc	mg/l	5	USEPA	65	0	0.0033	0.0087	0.0021	0.0031	0.0076	0.0088
Calcium	mg/l	nc	-	65	0	8.5	22	0.4	17	16	5.9
Magnesium	mg/l	nc	-	65	0	0.68	0.94	<0.005	0.74	0.17	0.61
Sodium	mg/l	50	WHO	25	1						
Potassium	mg/l	nc	-	25	0						
Catechol	ug/l	7.7	FEQS	40	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Resorcinol	ug/l	7.7	FEQS	40	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylphenol & Dimethylphenol	ug/l	100	FEQS	40	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cresols	ug/l	100	FEQS	40	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Appendix G

G3 Soil Leachate Screening Assessment

Compound	Units	Screening Criteria	Standard	Number of samples	Number of Exceedences	Concept_TP22	Concept_TP25	Concept_BH01	Concept_BH06	Concept_TP01	Concept_TP19
Sample Identity						Concept_TP22	Concept_TP25	Concept_BH01	Concept_BH06	Concept_TP01	Concept_TP19
Depth						0.5	0.5	1.2-1.5	0.8	0.5	2
Date						04/09/2014	03/09/2014	09/10/2014	02/10/2014	09/10/2014	15/09/2014
Waste Type						MG	MG	CwF	CwF	CwF	CwF
Naphthols	ug/l	7.7	**FEQS**	**40**	**0**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Phenol	ug/l	7.7	**FEQS**	**40**	**0**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trimethylphenol	ug/l	100	**FEQS**	**40**	**0**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Phenols	ug/l	7.7	**FEQS**	**40**	**0**	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
Benzene	ug/l	1	**UK DWS**	**2**	**0**						
Toluene	ug/l	74	**FEQS**	**2**	**0**						
Ethylbenzene	ug/l	20	**FEQS**	**2**	**0**						
p & m-xylene	ug/l	30	**FEQS**	**2**	**0**						
o-xylene	ug/l	30	**FEQS**	**2**	**0**						
MTBE	ug/l	15	**WHO**	**2**	**0**						
TPH-CWG - Aliphatic >C5-C6	ug/l	15000	**WHO**	**2**	**0**						
TPH-CWG - Aliphatic >C6-C8	ug/l	15000	**WHO**	**2**	**0**						
TPH-CWG - Aliphatic >C8-C10	ug/l	300	**WHO**	**2**	**0**						
TPH-CWG - Aliphatic >C10-C12	ug/l	300	**WHO**	**2**	**0**						
TPH-CWG - Aliphatic >C12-C16	ug/l	300	**WHO**	**2**	**0**						
TPH-CWG - Aliphatic >C16-C21	ug/l	300	**WHO**	**2**	**0**						
TPH-CWG - Aliphatic >C21-C35	ug/l	300	**WHO**	**2**	**0**						
TPH-CWG - Aliphatic (C5-C35)	ug/l	nc	**-**	**2**	**0**						
TPH-CWG - Aromatic >C5-C7	ug/l	10	**WHO**	**2**	**0**						
TPH-CWG - Aromatic >C7-C8	ug/l	700	**WHO**	**2**	**0**						
TPH-CWG - Aromatic >C8-C10	ug/l	300	**WHO**	**2**	**0**						
TPH-CWG - Aromatic >C10-C12	ug/l	90	**WHO**	**2**	**0**						
TPH-CWG - Aromatic >C12-C16	ug/l	90	**WHO**	**2**	**0**						
TPH-CWG - Aromatic >C16-C21	ug/l	90	**WHO**	**2**	**0**						
TPH-CWG - Aromatic >C21-C35	ug/l	90	**WHO**	**2**	**0**						
TPH-CWG - Aromatic (C5-C35)	ug/l	nc	**-**	**2**	**0**						

Appendix G

G4 Landfill Leachate Screening

Assessment Senario: Water Abstraction

				Summary													
Lab Sample ID	**Screening Value**	**Units**	**Screening Standard**	**Number of Exceedances**	948969	1076312	1111110	1165124	946300	983108	998638	1023132	1075119	1111112	1165125		
Client Sample No					BH06	BH06	BH06	BH06	BH12A	BH12A	BH12A	BH12A	BH12A	BH12A	BH12A	LW201	LW201
Client Sample ID					None Supplied	None Supplied	None Supplied		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth to Top					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	25.81-39.46	None Supplied	None Supplied	None Supplied	None Supplied	14.23	14.27
Depth to Bottom					None Supplied			12.06-13.05	None Supplied						9.44-11.11	15.93	15.9
Date Sampled					24/04/2018	25/10/2018	06/12/2018	26/02/2019	19/04/2018	15/06/2018	10/07/2018	10/08/2018	24/10/2018	06/12/2018	26/02/2019	10/08/2018	10/09/2018
Sample Type						None Supplied	None Supplied			None Supplied	0840	None Supplied	None Supplied	None Supplied			
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-		6.8	6.9	6.8	7.1	6.9	7.1	6.8	6.9	6.9	5.2	7.1	7.24	7.29
Total Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	14	16	< 10	14	< 10	< 10	< 10	< 50	< 50
Complex Cyanides	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	14	16	< 10	14	< 10	< 10	< 10	< 50	< 50
Free Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50
Thiocyanate as SCN	50	ug/l	UK DWS	6	< 200	< 200	420	< 200	< 200	< 200	< 200	420	450	< 200	< 200	106	80
Sulphate as SO4	250000	ug/l	UK DWS	1	14200	19600	76000	66600	76600	19500	48200	6000	9350	10300	10300	< 2000	< 2000
Sulphide	250000	ug/l	UK DWS	0	< 5.0	13	< 5.0	< 5.0	< 5.0	39	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10
Chloride	250	mg/l	UK DWS	7	740	200	95	1200	74	140	66	150	210	270	230	299	322
Fluoride	1500	ug/l	UK DWS	0	170	330	210	210	250	320	150	250	290	270	270	< 500	< 500
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	20	19000	10000	1800	14000	51000	50000	22	37000	38000	49000	44000	167000	168000
Nitrate as N	11.3	mg/l	UK DWS	0	0.06	0.87	0.14	0.76	0.14	0.06	6.97	0.25	1	0.38	0.24		
Nitrate as NO3	50	mg/l	UK DWS	0	0.27	3.84	0.6	3.39	0.64	0.26	30.9	1.13	4.43	1.69	1.08	< 0.3	< 0.3
Nitrite as N	160	ug/l	UK DWS	0	3.3	55	9.8	< 1.0	3.2	58	< 1.0	21	6.3	< 1.0	16		
Nitrite as NO2	500	ug/l	UK DWS	0	11	180	32	< 5.0	11	190	< 5.0	68	21	< 5.0	54	< 50	< 50
Alkalinity	N/A	mg/l	-	0	580	550	780	810	1700	210	650	1200	1100	1000	1100	3320	2400
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	1900	810	63	320	330	290	11	460	480	360	580	1080	684
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	1.3		29	29	11	260	< 1.0	160	56	85	43	477	117
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	0	< 0.3	0.9	< 0.3	0.8	< 0.3	< 0.3	7	< 0.3	1	0.4	< 0.3	< 0.1	< 0.1
Total Suspended Solids	N/A	mg/l	-	0	13000	3500	890	22000	1000	7700	140	2500	6100	1600	1900	2140	1020
Hardness - Total	N/A	mg/l	-	0	590	516	489	908	672	435	527	615	512	455	666	2150	4430
Bromide	N/A	mg/l	-	0	0.56	0.3	0.16	0.52	1.1	2.2	0.33	2.7	4.7	3.7	3.7	3.1	3.68
Bromate	0.01	mg/l	UK DWS	0	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.005	< 0.005
Phenols																	
Catechol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Resorcinol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Cresols	100	ug/l	FEQS	3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	220	170
Naphthols	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Isopropylphenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 6	< 6
Phenol	7.7	ug/l	FEQS	3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	70	40
Trimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	3	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.0902	7.08
Acenaphthylene	2	ug/l	FEQS	1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	0.0585
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.0363	0.931
Fluorene	2	ug/l	FEQS	2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.0321	0.763
Phenanthrene	2	ug/l	FEQS	5	< 0.01	< 0.01	< 0.01	0.37	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.0096	2.84
Anthracene	0.1	ug/l	FEQS	8	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	0.693
Fluoranthene	0.0063	ug/l	FEQS	10	< 0.01	< 0.01	< 0.01	0.87	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	4.38
Pyrene	2	ug/l	FEQS	7	< 0.01	< 0.01	< 0.01	0.72	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.00573	4.74
Benzo(a)anthracene	2	ug/l	FEQS	5	< 0.01	< 0.01	< 0.01	0.32	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	2.34
Chrysene	2	ug/l	FEQS	4	< 0.01	< 0.01	< 0.01	0.41	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	2.25
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	9	< 0.01	< 0.01	< 0.01	0.49	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	5.69
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	8	< 0.01	< 0.01	< 0.01	0.19	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	2.32
Benzo(a)pyrene	0.01	ug/l	UK DWS	10	< 0.01	< 0.01	< 0.01	0.32	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.002	4.23
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	9	< 0.001	< 0.001	< 0.001	0.16	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	2.57
Dibenzo(a,h)anthracene	2	ug/l	FEQS	3	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	0.582
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	9	< 0.001	< 0.001	< 0.001	0.2	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	2.84
Heavy metals and metalloids																	
Antimony	5	ug/l	UK DWS	6	1.3	2.5	0.8	< 0.4	0.9	0.7	< 0.4	0.7	< 0.4	0.7	1	7.4	7.6
Arsenic	10	ug/l	UK DWS	8	13.9	5.31	1.33	2.66	2.98	7.3	0.42	4.11	0.18	3.87	4.71	12.9	13.7
Barium	700	ug/l	WHO	11	2600	580	300	920	1700	1300	180	1200	24	850	1200	769	782

Appendix G

G4 Landfill Leachate Screening

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID	**Screening Value**	**Units**	**Screening Standard**	**Number of Exceedances**	948969	1076312	1111110	1165124	946300	983108	998638	1023132	1075119	1111112	1165125		
Client Sample No					BH06	BH06	BH06	BH06	BH12A	BH12A	BH12A	BH12A	BH12A	BH12A	BH12A	LW201	LW201
Client Sample ID					None Supplied	None Supplied	None Supplied		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth to Top					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	25.81-39.46	None Supplied	None Supplied	None Supplied	None Supplied	14.23	14.27
Depth to Bottom					None Supplied			12.06-13.05	None Supplied						9.44-11.11	15.93	15.9
Date Sampled					24/04/2018	25/10/2018	06/12/2018	26/02/2019	19/04/2018	15/06/2018	10/07/2018	10/08/2018	24/10/2018	06/12/2018	26/02/2019	10/08/2018	10/09/2018
Sample Type						None Supplied	None Supplied			None Supplied	0840	None Supplied	None Supplied	None Supplied			
Beryllium	4	ug/l	USEPA	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron	1000	ug/l	UK DWS	14	78	110	110	89	2400	2300	250	2000	1700	1500	2200	1680	1610
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	0.13	0.04	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.08	< 0.08
Calcium	N/A	mg/l	-	0	210	190	190	340	190	120	210	180	160	130	190	227	215
Chromium VI	3.4	ug/l	FEQS	1	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 30	< 30
Chromium III	4.7	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	2.2	1.5	1.3	1.4	< 1.0	< 1.0	1.4	< 30	< 30
Chromium Total	50	ug/l	UK DWS	0	0.5	0.3	0.3	0.2	2.2	1.5	1.3	1.4	< 0.2	1	1.4	24.6	25.8
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	< 0.5	< 0.5	1.1	1.7	1.8	1.1	1.6	2	2.2	2.1	< 0.5	< 0.3	< 0.3
Iron	0.2	mg/l	UK DWS	18	2.5	1.9	0.27	7.2	0.85	10	0.007	8.5	1.5	10	1.2	37	38.1
Lead	10	ug/l	UK DWS	0	< 0.2	0.2	0.7	0.3	5.8	1.9	< 0.2	0.5	< 0.2	0.8	< 0.2	< 0.2	0.489
Magnesium	N/A	mg/l	-	0	14	7.6	6.5	14	47	36	2.9	41	30	30	44	64.2	62.4
Manganese (bioavailable)	50	ug/l	UK DWS	20	2100	1800	1300	500	570	1600	6.4	1600	1300	1300	1100	1260	894
Mercury	1	ug/l	UK DWS	0	0.19	< 0.05	< 0.05	< 0.05	< 0.05	0.07	0.27	< 0.05	< 0.05	< 0.05	< 0.05	< 0.01	< 0.01
Molybdenum	70	ug/l	WHO	0	20	6.8	0.69	< 0.05	2.8	5	< 0.05	1.5	< 0.05	1.7	0.62	4.75	3.8
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	8	12	13	5.5	1.2	10	8.5	1.8	9.5	13	7.7	8.8	54.7	44.9
Potassium	N/A	mg/l	-	0	22	19	15	27	39	29	1.3	22	18	20	22	106	123
Selenium	10	ug/l	UK DWS	3	2.3	0.7	1.3	2.6	3	3.7	1.1	11	< 0.6	14	14	< 1	< 1
Sodium	50	mg/l	WHO	22	650	180	75	590	200	240	37	230	240	200	220	441	484
Vanadium	20	ug/l	FEQS	2	< 0.2	0.4	0.3	0.3	1.3	0.7	0.4	1	< 0.2	0.5	0.9	8.73	9.36
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	2.1	0.8	2.3	< 0.5	7	3.3	2.5	2.7	7.5	2.2	1.6	7.87	21.7
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0			
Toluene	74	ug/l	FEQS	0	< 1.0	53.3	< 1.0		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0			
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0			
Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0		6.67	23.4
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0			
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0													
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	11	15
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	29	36
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	40	38
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	45	64
TPH >C12-C16 Aliphatics	300	ug/l	WHO	1	< 10	< 10	< 10	< 10	66	< 10	< 10	< 10	< 10	68	< 10	33	25
TPH >C16-C21 Aliphatics	300	ug/l	WHO	3	< 10	< 10	< 10	< 10	98	< 10	< 10	< 10	< 10	200	< 10	212	290
TPH >C21-C35 Aliphatics	300	ug/l	WHO	9	< 10	< 10	< 10	< 10	320	< 10	< 10	< 10	< 10	260	< 10	1380	2080
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	2	< 10	< 10	< 10	< 10	420	< 10	< 10	< 10	< 10	460	< 10		
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
C5-C35 Aliphatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	490	< 10	< 10	< 10	< 10	530	< 10		
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	490	< 10	< 10	< 10	< 10	530	< 10		
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 1.0	53	< 1.0	41	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10
TPH >C8-C9 Aromatics	300	ug/l	WHO	0													
TPH >C9-C10 Aromatics	300	ug/l	WHO	0													
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	41	58
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	30	43
TPH >C12-C16 Aromatics	90	ug/l	WHO	1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	69	33
TPH >C16-C21 Aromatics	90	ug/l	WHO	6	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	102	128
TPH >C21-C35 Aromatics	90	ug/l	WHO	9	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	443	787
TPH >C35-C44 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	53	< 10	41	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	53	< 10	41	490	< 10	< 10	< 10	< 10	< 10	< 10		
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Chloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Bromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1

Appendix G

G4 Landfill Leachate Screening

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					948969	1076312	1111110	1165124	946300	983108	998638	1023132	1075119	1111112	1165125		
Client Sample No					BH06	BH06	BH06	BH06	BH12A	BH12A	BH12A	BH12A	BH12A	BH12A	BH12A	LW201	LW201
Client Sample ID					None Supplied	None Supplied	None Supplied		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth to Top					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	25.81-39.46	None Supplied	None Supplied	None Supplied	None Supplied	14.23	14.27
Depth to Bottom					None Supplied			12.06-13.05	None Supplied						9.44-11.11	15.93	15.9
Date Sampled					24/04/2018	25/10/2018	06/12/2018	26/02/2019	19/04/2018	15/06/2018	10/07/2018	10/08/2018	24/10/2018	06/12/2018	26/02/2019	10/08/2018	10/09/2018
Sample Type						None Supplied	None Supplied			None Supplied	0840	None Supplied	None Supplied	None Supplied			
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,1 -Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
2,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Trichloromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,1-Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Benzene	1	ug/l	UK DWS	3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	6.26	4.73
Tetrachloromethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Trichloroethene	10	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Dibromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Bromodichloromethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Toluene	74	ug/l	FEQS	0	< 1.0	53.3	< 1.0	41.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.58	3.13
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,3-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Dibromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Tetrachloroethene	10	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Chlorobenzene	0.4	ug/l	FEQS	3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.65	1.42
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.76	13
m,p-Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.27	18.6
Styrene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Tribromomethane	10	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
o-Xylene	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.4	4.8
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Iso-propylbenzene	1	ug/l	UK DWS	3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.77	4.88
Bromobenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Propylbenzene	1	ug/l	UK DWS	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	1.63
2-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
4-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	2.17
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.47	7.97
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.04	1.59
n-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
2,6 Chloronitrotoluene	700	ug/l	WHO	0	< 1		< 1		< 1	< 1	< 1						
4,2 Chloronitrotoluene	700	ug/l	WHO	0	< 1		< 1		< 1	< 1	< 1						
4,3 Chloronitrotoluene	700	ug/l	WHO	0	< 1		< 1		< 1	< 1	< 1						

Appendix G

G4 Landfill Leachate Screening

Assessment Senario Water Abstraction

Lab Sample ID	Screening Value	Units	Screening Standard	Summary: Number of Exceedances	948969	1076312	1111110	1165124	946300	983108	998638	1023132	1075119	1111112	1165125		
Client Sample No					BH06	BH06	BH06	BH06	BH12A	BH12A	BH12A	BH12A	BH12A	BH12A	BH12A	LW201	LW201
Client Sample ID					None Supplied	None Supplied	None Supplied		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth to Top					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	25.81-39.46	None Supplied	None Supplied	None Supplied	None Supplied	14.23	14.27
Depth to Bottom					None Supplied			12.06-13.05	None Supplied						9.44-11.11	15.93	15.9
Date Sampled					24/04/2018	25/10/2018	06/12/2018	26/02/2019	19/04/2018	15/06/2018	10/07/2018	10/08/2018	24/10/2018	06/12/2018	26/02/2019	10/08/2018	10/09/2018
Sample Type						None Supplied	None Supplied			None Supplied	0840	None Supplied	None Supplied	None Supplied			
2,4 Chloronitrotoluene	700	ug/l	WHO	0	< 1		< 1		< 1	< 1	< 1						
2,5 Chloronitrotoluene	700	ug/l	WHO	0	< 1		< 1		< 1	< 1	< 1						
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Bromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Dichloromethane	20	ug/l	FEQS	0	< 100	< 100	< 100	< 3.0	< 100	< 100	< 100	< 100	< 100	< 100	< 3.0	< 3	< 3
Carbon disulphide	10	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
SVOCs																	
Phenol	7.7	ug/l	FEQS	5	0.560	< 0.05	1.300	< 0.05	< 0.05	68.000	< 0.05	31.000	9.400	220.000	5.900	< 10	20.7
2-Chlorophenol	50	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
2-Methylphenol	100	ug/l	FEQS	0	3.800	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
Hexachloroethane	40	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
Nitrobenzene	1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
4-Methylphenol	100	ug/l	FEQS	3	160.000	< 0.05	22.000	1.400	< 0.05	260.000	< 0.05	75.000	23.000	3.200	94.000	53.9	126
Isophorone	7000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
2-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
2,4-Dimethylphenol	100	ug/l	FEQS	0	1.100	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
Bis(2-chloroethoxy)methane	10	ug/l	Default	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	0.69	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	0.630	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
2-Methylnaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
2-Chloronaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
Dimethylphthalate	800	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	1.6	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
Dibenzofuran	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
Diethyl phthalate	200	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
Bromophenyl phenyl ether	10	ug/l	Default	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
Hexachlorobenzene	1	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
Phenanthrene	2	ug/l	FEQS	5	< 0.01	< 0.01	< 0.01	0.37	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.0096	2.84
Carbazole	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	0.8	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	4	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 10	< 8
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020		< 0.020	< 0.020	< 0.020		< 0.020	< 0.020		< 0.015	< 0.015
PCB Congener 81	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020		< 0.020	< 0.020	< 0.020		< 0.020	< 0.020		< 0.015	< 0.015
PCB Congener 105	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020		< 0.020	< 0.020	< 0.020		< 0.020	< 0.020		< 0.015	< 0.015
PCB Congener 114	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020		< 0.020	< 0.020	< 0.020		< 0.020	< 0.020		< 0.015	< 0.015
PCB Congener 118	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020		< 0.020	< 0.020	< 0.020		< 0.020	< 0.020		< 0.015	< 0.015
PCB Congener 123	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020		< 0.020	< 0.020	< 0.020		< 0.020	< 0.020		< 0.015	< 0.015
PCB Congener 126	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020		< 0.020	< 0.020	< 0.020		< 0.020	< 0.020		< 0.015	< 0.015
PCB Congener 156	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020		< 0.020	< 0.020	< 0.020		< 0.020	< 0.020		< 0.015	< 0.015
PCB Congener 157	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020		< 0.020	< 0.020	< 0.020		< 0.020	< 0.020		< 0.015	< 0.015
PCB Congener 167	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020		< 0.020	< 0.020	< 0.020		< 0.020	< 0.020		< 0.015	< 0.015
PCB Congener 169	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020		< 0.020	< 0.020	< 0.020		< 0.020	< 0.020		< 0.015	< 0.015
PCB Congener 189	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020		< 0.020	< 0.020	< 0.020		< 0.020	< 0.020		< 0.015	< 0.015
PCBs	25	ug/l	FEQS	0	< 0.300	< 0.300	< 0.300		< 0.300	< 0.300	< 0.300		< 0.300	< 0.300			
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	0	< 0.05		< 0.05		< 0.05	< 0.05	0.26					0.101	0.126

Appendix G

G4 Landfill Leachate Screening

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					948969	1076312	1111110	1165124	946300	983108	998638	1023132	1075119	1111112	1165125		
Client Sample No					BH06	BH06	BH06	BH06	BH12A	BH12A	BH12A	BH12A	BH12A	BH12A	BH12A	LW201	LW201
Client Sample ID					None Supplied	None Supplied	None Supplied		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth to Top					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	25.81-39.46	None Supplied	None Supplied	None Supplied	None Supplied	14.23	14.27
Depth to Bottom					None Supplied			12.06-13.05	None Supplied						9.44-11.11	15.93	15.9
Date Sampled					24/04/2018	25/10/2018	06/12/2018	26/02/2019	19/04/2018	15/06/2018	10/07/2018	10/08/2018	24/10/2018	06/12/2018	26/02/2019	10/08/2018	10/09/2018
Sample Type						None Supplied	None Supplied			None Supplied	0840	None Supplied	None Supplied	None Supplied			
	Screening Value	**Units**	**Screening Standard**	**Number of Exceedances**													
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0	< 0.05		< 0.05		< 0.05	< 0.05	0.16						
Metaldehyde	0.1	ug/l	UK DWS	0	< 0.1		< 0.1		< 0.1	0.1	< 0.1						
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0	< 0.1		< 0.1		< 0.1	< 0.1	< 0.1						
Chlorbufam	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10							
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10						< 0.01	< 0.1
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10						< 0.5	< 0.5
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10						< 0.02	< 0.2
Phenmedipham	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10							
Propham	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10						< 0.5	< 0.5
Dimefuron	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10						< 0.02	< 0.2
Metoxuron	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10						< 0.01	< 0.1
Pencycuron	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10						< 0.02	< 0.2
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01						
Demeton-s-methyl	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10						< 0.1	< 0.01
Diclofop	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02						< 0.02	< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10	< 0.10						
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10	< 0.10						
Ametryn	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10							
Atrazine-methoxy	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10							
Bromacil	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	0.05						< 0.01	< 0.1
Flamprop	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02							
Flamprop-isopropyl	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02							
Prometon	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10							
Simetryn	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10							
4-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 0.05	< 0.05	< 0.05	< 1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 10	< 8
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1		< 1		< 1	< 1	< 1					< 10	< 8
Perylene	2	ug/l	FEQS	0	< 1		< 1		< 1	< 1	< 1						
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	1	< 1		< 1		< 1	30	< 1					< 10	< 8
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0	< 20		< 20		< 20	< 20						< 10	< 100
Carbetamide	100	ng/l	UK DWS	0	< 20		< 20		< 20	< 20						< 10	< 100
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	3	3.1		10		4.3	< 1.0	< 1.0					< 20	< 16
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0					< 50	< 40
Total phthalates	N/A	mg/l	-	0													
Glycols																	
Ethylene Glycol	0.01	mg/l	Default	0	< 10	< 10	< 10		< 10	< 10	< 10		< 10	< 10			
Diethylene Glycol	0.01	mg/l	Default	0	< 10	< 10	< 10		< 10	< 10	< 10		< 10	< 10			
1,2-Propanediol	0.01	mg/l	Default	0	< 10	< 10	< 10		< 10	< 10	< 10		< 10	< 10			
Rodenticides																	
Triazine Pesticides																	
Atrazine	0.1	ug/l	UK DWS	0	< 0.05		< 0.05		< 0.05	< 0.05						< 0.1	< 0.01
Simazine	0.1	ug/l	UK DWS	0	< 0.05		< 0.05		< 0.05	< 0.05						< 0.1	< 0.01
Prometryn	0.1	ug/l	UK DWS	0	< 0.05		< 0.05		< 0.05	< 0.05						< 0.01	< 0.01
Propazine	0.1	ug/l	UK DWS	0	< 0.05		< 0.05		< 0.05	< 0.05						< 0.01	< 0.01
Terbuthylazine	0.1	ug/l	UK DWS	0	< 0.05		< 0.05		< 0.05	< 0.05							
Terbutryn	0.1	ug/l	UK DWS	0	< 0.05		< 0.05		< 0.05	< 0.05						< 0.01	< 0.01
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02							
2,4-D butyl ester	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10							
2,4-D ethyl ester	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10							
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10							
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0	< 0.10		< 0.10		< 0.10	< 0.10							
Acid Herbicides																	

Appendix G

G4 Landfill Leachate Screening

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					948969	1076312	1111110	1165124	946300	983108	998638	1023132	1075119	1111112	1165125		
Client Sample No					BH06	BH06	BH06	BH06	BH12A	BH12A	BH12A	BH12A	BH12A	BH12A	BH12A	LW201	LW201
Client Sample ID					None Supplied	None Supplied	None Supplied		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth to Top					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	25.81-39.46	None Supplied	None Supplied	None Supplied	None Supplied	14.23	14.27
Depth to Bottom					None Supplied			12.06-13.05	None Supplied						9.44-11.11	15.93	15.9
Date Sampled					24/04/2018	25/10/2018	06/12/2018	26/02/2019	19/04/2018	15/06/2018	10/07/2018	10/08/2018	24/10/2018	06/12/2018	26/02/2019	10/08/2018	10/09/2018
Sample Type						None Supplied	None Supplied			None Supplied	0840	None Supplied	None Supplied	None Supplied			
	Screening Value	**Units**	**Screening Standard**	**Number of Exceedances**													
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02						< 5	< 5
Benazolin	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02						< 0.05	< 0.05
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02						< 0.01	< 0.01
Clopyralid	0.1	ug/l	UK DWS	1	< 0.02		< 0.02		< 0.02	0.55						< 0.3	< 0.3
Ioxynil	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02						< 0.01	< 0.01
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02						< 0.01	< 0.01
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02						< 0.01	< 0.01
2,4-D	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02						0.023	< 0.01
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02						< 0.02	< 0.02
Dicamba	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02						< 0.03	< 0.03
Dichlorprop	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02						0.091	< 0.01
MCPA	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02						< 0.01	< 0.01
MCPB	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02						< 0.02	< 0.02
Mecoprop	0.1	ug/l	UK DWS	6	< 0.02		< 0.02		0.06	0.07						1.46	1.68
Picloram	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02						< 0.2	< 0.2
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02							
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.01	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.01	< 0.01
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	0.02	< 0.01					< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.02	< 0.02
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01						< 0.02	< 0.02
Endrin	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.01	< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.01	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.01	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	0.04	< 0.01					< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.01	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	0.1	< 0.01					< 0.01	< 0.01
Trifluralin	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.01	< 0.01
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02						< 0.01	< 0.01
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02						< 0.02	< 0.02
Triclorpyr	0.1	ug/l	UK DWS	0	< 0.02		< 0.02		< 0.02	< 0.02						< 0.03	< 0.03
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01						< 0.2	< 0.02
Azinphos-methyl	0.1	ug/l	UK DWS	1	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.2	0.517
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01						< 0.1	< 0.01
Chlorfenvinphos I	0.1	ug/l	UK DWS	0	< 0.01				< 0.01								
Chlorfenvinphos II	0.1	ug/l	UK DWS	0	< 0.01				< 0.01								
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0	< 0.01				< 0.01								
Diazinon	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.1	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.1	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.1	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.1	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.1	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01						< 0.1	< 0.01

Appendix G

G4 Landfill Leachate Screening

Assessment Senario: Water Abstraction

				Summary													
Lab Sample ID					948969	1076312	1111110	1165124	946300	983108	998638	1023132	1075119	1111112	1165125		
Client Sample No					BH06	BH06	BH06	BH06	BH12A	BH12A	BH12A	BH12A	BH12A	BH12A	BH12A	LW201	LW201
Client Sample ID					None Supplied	None Supplied	None Supplied		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth to Top					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	25.81-39.46	None Supplied	None Supplied	None Supplied	None Supplied	14.23	14.27
Depth to Bottom					None Supplied			12.06-13.05	None Supplied						9.44-11.11	15.93	15.9
Date Sampled					24/04/2018	25/10/2018	06/12/2018	26/02/2019	19/04/2018	15/06/2018	10/07/2018	10/08/2018	24/10/2018	06/12/2018	26/02/2019	10/08/2018	10/09/2018
Sample Type						None Supplied	None Supplied			None Supplied	0840	None Supplied	None Supplied	None Supplied			
	Screening Value	**Units**	**Screening Standard**	**Number of Exceedances**													
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.1	< 0.01
Fenthion	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.1	< 0.01
Malathion	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.1	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.1	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.1	< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0	< 10		< 10		< 10	< 10						< 10	< 100
Chlortoluron	100	ng/l	UK DWS	0	< 10		< 10		< 10	< 10						< 10	< 100
Diflubenzuron	100	ng/l	UK DWS	0	< 10		< 10		< 10	< 10						< 20	< 200
Diuron	100	ng/l	UK DWS	0	< 10		< 10		< 10	< 10						< 10	< 100
Linuron	100	ng/l	UK DWS	0	< 10		< 10		< 10	< 10						< 20	< 200
Methabenzthiazuron	100	ng/l	UK DWS	0	< 10		< 10		< 10	< 10						< 10	< 100
Monolinuron	100	ng/l	UK DWS	0	< 10		< 10		< 10	< 10						< 20	< 200
Monuron	100	ng/l	UK DWS	4	< 10		< 10		< 10	< 10						225	278
VFAs																	
Acetic acid	0.01	mg/l	Default	6	< 10		< 10		< 10	< 50.0	< 10					256	213
Propanoic acid	0.01	mg/l	Default	2	< 10		< 10		< 10	< 20.0	< 10					90.7	73.4
Butyric acid	0.01	mg/l	Default	1	< 10		< 10		< 10	19.000	< 10					< 10	< 10
Isobutyric acid	0.01	mg/l	Default	1	< 10		< 10		< 10	< 10	< 10					10.1	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10		< 10		< 10	< 10	< 10					< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10		< 10		< 10	< 10	< 10					< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10		< 10		< 10	< 10	< 10					< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 10		< 10		< 10	< 10	< 10					< 11	< 11
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.1		< 0.1		< 0.1	< 0.1	< 0.1					< 0.05	< 0.05
Cypermethrin	100	ng/l	UK DWS	0	< 10		< 10		< 10	< 10	< 10					< 50	< 50
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.1		< 0.1		< 0.1	< 0.1	< 0.1					< 0.05	< 0.05
Permethrin	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.01	< 0.01
Permethrin	0.1	ug/l	UK DWS	0	< 0.01		< 0.01		< 0.01	< 0.01	< 0.01					< 0.01	< 0.01
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0	< 10		< 10		< 10	< 10	< 10					< 10	< 6
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 10		< 10		< 10	< 10	< 10					< 10	< 6
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	0	< 10		< 10		< 10	< 10	< 10					< 50	< 30
Chlorophenols																	
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.05		< 0.05		< 0.05	< 0.05	< 0.05					< 0.01	< 0.008
Others																	
Bromoform	0.1	mg/l	WHO	0												< 0.001	< 0.001
Lambda-cyhalothrin	0.1	ug/l	UK DWS	0												< 0.05	< 0.05
Methane	N/A	ug/l	-	0												9520	9490

Appendix G

G4 Landfill Leachate Screening

Assessment Senario: Water Abstraction

				Summary											
Lab Sample ID															19500421
Client Sample No	**Screening Value**	**Units**	**Screening Standard**	**Number of Exceedances**	LW201	LW202	LW202	LW203	LW203	LW204	LW204	LW204	LW205	LW205	LW205
Client Sample ID															
Depth to Top					14.76	9.91	10.51	11.48	11.7	11.22	11.25	11.29	4.98	4.46	04/01/1900
Depth to Bottom					15.84		10.99	12	12.03	12.34	11.28	12.42	5.82	5.94	5.92
Date Sampled					04/10/2018	08/08/2018	10/09/2018	10/08/2018	11/09/2018	08/08/2018	11/09/2018	08/10/2018	15/01/2019	06/02/2019	06/03/2019
Sample Type															None Supplied
Inorganics															
Organics															
General inorganics															
pH	N/A	pH units	-		7.38	8.06		7.5	8.2	7.46	7.32	7.31	7.08	7.21	7.02
Total Cyanide	50	ug/l	UK DWS	0	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50		< 50	< 50
Complex Cyanides	50	ug/l	UK DWS	0	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50		< 50	< 50
Free Cyanide	50	ug/l	UK DWS	0	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50		< 50	< 50
Thiocyanate as SCN	50	ug/l	UK DWS	6	70	< 50	< 50	< 50	< 50	< 50	< 50	< 50		< 50	< 50
Sulphate as SO4	250000	ug/l	UK DWS	1	11200	148000			278000	74700	18600	11800		94700	97000
Sulphide	250000	ug/l	UK DWS	0	< 10	88.4	181	< 10	< 50	47.4	< 10	< 10	< 10	< 10	< 10
Chloride	250	mg/l	UK DWS	7	198	133			119	91	120	120		1230	369
Fluoride	1500	ug/l	UK DWS	0	< 500	967	< 500	918	< 500	< 500	< 500	< 500	< 500	< 500	< 500
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	20	150000	26800	42500	20900	14200	72900	71600	72800		261	< 200
Nitrate as N	11.3	mg/l	UK DWS	0											
Nitrate as NO3	50	mg/l	UK DWS	0	< 0.3	< 0.3			< 0.3	0.827	< 0.3	< 0.3		7.56	10.7
Nitrite as N	160	ug/l	UK DWS	0											
Nitrite as NO2	500	ug/l	UK DWS	0	250	156	< 50	139	< 50	< 50	< 50	< 50		< 50	< 50
Alkalinity	N/A	mg/l	-	0	1600	5220	1420	3240	3100	3050	1480	1420	910	1800	285
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	437	7380	1100		1420	6400	520	1100	18100	640	151
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	46.7	496	291			4570	57	77.7	53.9	4.24	< 1
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	0	< 0.1	< 0.1			< 0.1	0.199	< 0.1	< 0.1		1.72	2.43
Total Suspended Solids	N/A	mg/l	-	0	270	17100		11600	10700	20000	2070	439	285000	10300	288
Hardness - Total	N/A	mg/l	-	0	1100	20700	2600		176	196	743	1370	5800	1500	451
Bromide	N/A	mg/l	-	0	2.59	1.04	3.2		1.5	0.789	1.15	< 0.06		0.51	0.174
Bromate	0.01	mg/l	UK DWS	0	< 0.005	< 0.005	< 0.005	< 0.03		< 0.005	< 0.005	< 0.005		< 0.005	< 0.005
Phenols															
Catechol	7.7	ug/l	FEQS	0											
Resorcinol	7.7	ug/l	FEQS	0											
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0											
Cresols	100	ug/l	FEQS	3	150	10	< 6		< 6	10	10	80		< 6	< 6
Naphthols	7.7	ug/l	FEQS	0											
Isopropylphenol	7.7	ug/l	FEQS	0	< 6	< 6	< 6		< 6	< 6	< 6	< 6		< 6	< 6
Phenol	7.7	ug/l	FEQS	3	10	< 2	< 2		< 2	< 2	< 2	< 2		< 2	< 2
Trimethylphenol	100	ug/l	FEQS	0											< 3
Speciated PAHs															
Naphthalene	2	ug/l	FEQS	3	0.401	4.65				4.17	0.0517	0.272	0.101	0.0232	< 0.01
Acenaphthylene	2	ug/l	FEQS	1	0.0509	1.7				2.68	0.055	0.191	0.0986	0.0364	< 0.005
Acenaphthene	2000	ug/l	USEPA	0	0.294	60				8.21	0.151	0.625	0.273	0.0463	< 0.005
Fluorene	2	ug/l	FEQS	2	0.252	50.2				9.88	0.146	0.561	0.177	0.0316	< 0.005
Phenanthrene	2	ug/l	FEQS	5	0.722	290				86	0.901	4.55	3.25	0.639	0.0097
Anthracene	0.1	ug/l	FEQS	8	0.197	73.1				22	0.285	1.21	0.893	0.183	0.0051
Fluoranthene	0.0063	ug/l	FEQS	10	1.5	402				231	3.26	14.6	18.2	3.6	0.0458
Pyrene	2	ug/l	FEQS	7	1.46	371				220	3.1	13.9	16.9	3.51	0.0482
Benzo(a)anthracene	2	ug/l	FEQS	5	0.75	142				116	1.44	5.04	9.82	1.89	0.0232
Chrysene	2	ug/l	FEQS	4	0.688	< 0.2				114	1.35	5.26	8.46	1.96	0.0189
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	9	0.883	295				203	2.76	9.09	22.2	5.1	0.0365
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	8	0.398	< 0.2				81.7	1.16	2.14	9.48	2.02	0.018
Benzo(a)pyrene	0.01	ug/l	UK DWS	10	0.712	30.2				160	1.99	5.08	16.3	3.74	0.0231
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	9	0.521	164				120	1.71	4.28	10.9	2.16	0.0158
Dibenzo(a,h)anthracene	2	ug/l	FEQS	3	0.101	19.4				22	0.277	0.67	2.37	0.493	0.0052
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	9	0.647	169				143	1.87	3.79	15.8	2.92	0.034
Heavy metals and metalloids															
Antimony	5	ug/l	UK DWS	6	5.11	15.3	1.3	2.56	1.76	8.28	< 1	< 1		4.21	6.97
Arsenic	10	ug/l	UK DWS	8	9.47	36.7	10.5	10.8	17	14.7	7.13	9.54		1.27	0.94
Barium	700	ug/l	WHO	11	780	83.4	227	88.5	28	557	536	703		228	68.6

Appendix G

G4 Landfill Leachate Screening

Assessment Senario Water Abstraction

				Summary											
Lab Sample ID															19500421
Client Sample No	**Screening Value**	**Units**	**Screening Standard**	**Number of Exceedances**	LW201	LW202	LW202	LW203	LW203	LW204	LW204	LW204	LW205	LW205	LW205
Client Sample ID															
Depth to Top					14.76	9.91	10.51	11.48	11.7	11.22	11.25	11.29	4.98	4.46	04/01/1900
Depth to Bottom					15.84		10.99	12	12.03	12.34	11.28	12.42	5.82	5.94	5.92
Date Sampled					04/10/2018	08/08/2018	10/09/2018	10/08/2018	11/09/2018	08/08/2018	11/09/2018	08/10/2018	15/01/2019	06/02/2019	06/03/2019
Sample Type															None Supplied
Beryllium	4	ug/l	USEPA	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1	< 0.1
Boron	1000	ug/l	UK DWS	14	1600	950	1900	1180	664	1180	1160	1170		127	173
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08		1.37	0.442
Calcium	N/A	mg/l	-	0	198	79.4	200	55.1	16.1	192	221	231		283	118
Chromium VI	3.4	ug/l	FEQS	1	< 30	< 30	< 30	39.6	< 30	< 30	< 30	< 30	< 30	< 30	< 0.03
Chromium III	4.7	ug/l	FEQS	0	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30		< 30	< 0.03
Chromium Total	50	ug/l	UK DWS	0	19.7	2.47	6.67	3.95	2.87	1.43	1.26	1.21		< 1	< 1
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	< 0.3	< 0.3	< 0.3	< 0.3	0.971	< 0.3	< 0.3	< 0.3		< 0.3	5.81
Iron	0.2	mg/l	UK DWS	18	37.7	0.0948	2.37	0.329	0.192	0.212	21.9	13.5		0.0461	0.0213
Lead	10	ug/l	UK DWS	0	0.368	0.61	0.387	< 0.2	< 0.2	1.69	1.03	0.541		1.77	1.03
Magnesium	N/A	mg/l	-	0	53.1	4.28	47.4	23.3	17.8	22.7	25.6	27.8		5.58	2.9
Manganese (bioavailable)	50	ug/l	UK DWS	20	610	10	1740	410	49.8	1410	2070	1760		128	270
Mercury	1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Molybdenum	70	ug/l	WHO	0	< 3	56.8	< 3	7.52		20.3	< 3	7.66		4.1	7.35
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	8	28.4	23.5	18	40.4	23.9	22.3	14.7	29.1		18.3	10.6
Potassium	N/A	mg/l	-	0	108	42.1	57.1	23.3	17	40.9	38.1	41.5		23.1	15.2
Selenium	10	ug/l	UK DWS	3	< 1	7.56	2.04	1.65	1.44	< 1	< 1	< 1		1.53	1.8
Sodium	50	mg/l	WHO	22	414	157	351	1220	1280	72.9	95.2	82.7		417	209
Vanadium	20	ug/l	FEQS	2	8.02	97.9	11.4	31.5	17.3	1.76	< 1	1.03		< 1	< 1
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	6.53	54.6	6.85	20.6	1.73	3.37	9.67	4.26		446	231
Monoaromatics															
Benzene	1	ug/l	UK DWS	0											< 1
Toluene	74	ug/l	FEQS	0											< 1
Ethylbenzene	20	ug/l	FEQS	0											< 1
Xylenes	30	ug/l	FEQS	0	7.06	< 2				< 20	< 2	< 2	< 20	< 2	< 2
MTBE	15	ug/l	WHO	0											< 1
Petroleum hydrocarbons															
TPH	N/A	ug/l	-	0											
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	14	< 10				< 10	< 10	< 10	< 10	< 10	< 10
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	29	33				19	13	< 10	< 10	< 10	< 10
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	25	21				34	15	< 10	< 10	< 10	< 10
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	55	18				54	19	< 10	< 10	< 10	< 10
TPH >C12-C16 Aliphatics	300	ug/l	WHO	1	15	993				< 250	13	108	29	< 10	< 10
TPH >C16-C21 Aliphatics	300	ug/l	WHO	3	215	3080				2090	70	304	111	31	< 10
TPH >C21-C35 Aliphatics	300	ug/l	WHO	9	1300	20600				14800	446	2340	654	262	< 10
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	2											
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0											
C5-C35 Aliphatics	N/A	ug/l	-	0											< 10
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0											
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 10	< 10				< 10	< 10	< 10	< 10	< 10	< 10
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 10	< 10				< 10	< 10	< 10	< 10	< 10	< 10
TPH >C8-C9 Aromatics	300	ug/l	WHO	0											
TPH >C9-C10 Aromatics	300	ug/l	WHO	0											< 10
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	26	53				27	11	< 10	< 10	< 10	
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	37	12				36	13	< 10	< 10	< 10	< 10
TPH >C12-C16 Aromatics	90	ug/l	WHO	1	26	1330				< 250	< 10	89	< 200	< 10	< 10
TPH >C16-C21 Aromatics	90	ug/l	WHO	6	78	4020				2260	52	262	2320	16	< 10
TPH >C21-C35 Aromatics	90	ug/l	WHO	9	468	12600				10700	214	1130	10300	102	< 10
TPH >C35-C44 Aromatics	90	ug/l	WHO	0											
C5-C35 Aromatics	N/A	ug/l	-	0											
C5-C35 Aromatics	N/A	ug/l	-	0											
VOCs															
Chloromethane	20	ug/l	FEQS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Chloroethane	3	ug/l	UK DWS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Bromomethane	100	ug/l	UK DWS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1

Appendix G

G4 Landfill Leachate Screening

Assessment Senario Water Abstraction

				Summary											
Lab Sample ID															19500421
Client Sample No	**Screening Value**	**Units**	**Screening Standard**	**Number of Exceedances**	LW201	LW202	LW202	LW203	LW203	LW204	LW204	LW204	LW205	LW205	LW205
Client Sample ID															
Depth to Top					14.76	9.91	10.51	11.48	11.7	11.22	11.25	11.29	4.98	4.46	04/01/1900
Depth to Bottom					15.84		10.99	12	12.03	12.34	11.28	12.42	5.82	5.94	5.92
Date Sampled					04/10/2018	08/08/2018	10/09/2018	10/08/2018	11/09/2018	08/08/2018	11/09/2018	08/10/2018	15/01/2019	06/02/2019	06/03/2019
Sample Type															None Supplied
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0											
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
MTBE	15	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,1 -Dichloroethane	3	ug/l	UK DWS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
2,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Trichloromethane	2.5	ug/l	FEQS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,1-Dichloropropene	20	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Benzene	1	ug/l	UK DWS	3	7.82	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Tetrachloromethane	3	ug/l	UK DWS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Trichloroethene	10	ug/l	UK DWS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Dibromomethane	100	ug/l	UK DWS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Bromodichloromethane	100	ug/l	UK DWS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Toluene	74	ug/l	FEQS	0	2.18	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,3-Dichloropropane	40	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Dibromochloromethane	100	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Tetrachloroethene	10	ug/l	UK DWS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Chlorobenzene	0.4	ug/l	FEQS	3	1.46	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Ethylbenzene	20	ug/l	FEQS	0	3.06	< 1				< 10	< 1	< 1	< 10	< 1	< 1
m,p-Xylenes	30	ug/l	FEQS	0	4.92	1.74				< 10	< 1	< 1	< 10	< 1	< 1
Styrene	20	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Tribromomethane	10	ug/l	Default	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	
o-Xylene	30	ug/l	FEQS	0	2.14	<1				<10	<1	<1	<10	<1	< 1
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Iso-propylbenzene	1	ug/l	UK DWS	3	2.22	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Bromobenzene	1	ug/l	UK DWS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Propylbenzene	1	ug/l	UK DWS	1	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
2-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
4-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	1	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	2	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
p-Isopropyltoluene	74	ug/l	FEQS	0	1.21	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
n-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
2,6 Chloronitrotoluene	700	ug/l	WHO	0											
4,2 Chloronitrotoluene	700	ug/l	WHO	0											
4,3 Chloronitrotoluene	700	ug/l	WHO	0											

Appendix G

G4 Landfill Leachate Screening

Assessment Senario Water Abstraction

				Summary											
Lab Sample ID															19500421
Client Sample No	**Screening Value**	**Units**	**Screening Standard**	**Number of Exceedances**	LW201	LW202	LW202	LW203	LW203	LW204	LW204	LW204	LW205	LW205	LW205
Client Sample ID															
Depth to Top					14.76	9.91	10.51	11.48	11.7	11.22	11.25	11.29	4.98	4.46	04/01/1900
Depth to Bottom					15.84		10.99	12	12.03	12.34	11.28	12.42	5.82	5.94	5.92
Date Sampled					04/10/2018	08/08/2018	10/09/2018	10/08/2018	11/09/2018	08/08/2018	11/09/2018	08/10/2018	15/01/2019	06/02/2019	06/03/2019
Sample Type															None Supplied
2,4 Chloronitrotoluene	700	ug/l	WHO	0											
2,5 Chloronitrotoluene	700	ug/l	WHO	0											
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Bromochloromethane	100	ug/l	WHO	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
Dichloromethane	20	ug/l	FEQS	0	< 3	< 3				< 30	< 3	< 3	< 30	< 3	< 3
Carbon disulphide	10	ug/l	Default	0	< 1	4.55				< 10	< 1	< 1	< 10	< 1	< 1
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1	< 1				< 10	< 1	< 1	< 10	< 1	< 1
SVOCs															
Phenol	7.7	ug/l	FEQS	5	< 10				2.37		< 8	< 10	< 50	< 4	< 10
2-Chlorophenol	50	ug/l	FEQS	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0											
2-Methylphenol	100	ug/l	FEQS	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
Hexachloroethane	40	ug/l	USEPA	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
Nitrobenzene	1	ug/l	UK DWS	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
4-Methylphenol	100	ug/l	FEQS	3	38.1				< 1		< 8	< 10	< 50	< 4	< 10
Isophorone	7000	ug/l	USEPA	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
2-Nitrophenol	7.7	ug/l	FEQS	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 10				< 1		10.1	< 10	< 50	< 4	< 10
Bis(2-chloroethoxy)methane	10	ug/l	Default	0	< 10				1.79		< 8	< 10	< 50	< 4	< 10
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
2-Methylnaphthalene	2	ug/l	FEQS	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
2-Chloronaphthalene	2	ug/l	FEQS	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
Dimethylphthalate	800	ug/l	FEQS	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
Dibenzofuran	2	ug/l	FEQS	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
Diethyl phthalate	200	ug/l	FEQS	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
Bromophenyl phenyl ether	10	ug/l	Default	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
Hexachlorobenzene	1	ug/l	USEPA	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
Phenanthrene	2	ug/l	FEQS	5	0.722	290				86	0.901	4.55	3.25	0.639	0.0097
Carbazole	2	ug/l	FEQS	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
PCBs by GC-ECD - WHO 12															
PCB Congener 77	25	ug/l	FEQS	0	< 0.015	< 0.03				< 0.375	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 81	25	ug/l	FEQS	0	< 0.015	< 0.03				< 0.375	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 105	25	ug/l	FEQS	0	< 0.015	< 0.03				< 0.375	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 114	25	ug/l	FEQS	0	< 0.015	< 0.03				< 0.375	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 118	25	ug/l	FEQS	0	< 0.015	< 0.03				< 0.375	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 123	25	ug/l	FEQS	0	< 0.015	< 0.03				< 0.375	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 126	25	ug/l	FEQS	0	< 0.015	< 0.03				< 0.375	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 156	25	ug/l	FEQS	0	< 0.015	< 0.03				< 0.375	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 157	25	ug/l	FEQS	0	< 0.015	< 0.03				< 0.375	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 167	25	ug/l	FEQS	0	< 0.015	< 0.03				< 0.375	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 169	25	ug/l	FEQS	0	< 0.015	< 0.03				< 0.375	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 189	25	ug/l	FEQS	0	< 0.015	< 0.03				< 0.375	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCBs	25	ug/l	FEQS	0											
Environmental Forensics															
PFOS	0.3	ug/l	DWS	0	0.126						0.105	0.127		< 0.1	< 1

Appendix G

G4 Landfill Leachate Screening

Assessment Senario Water Abstraction

				Summary											
Lab Sample ID															19500421
Client Sample No	**Screening Value**	**Units**	**Screening Standard**	**Number of Exceedances**	LW201	LW202	LW202	LW203	LW203	LW204	LW204	LW204	LW205	LW205	LW205
Client Sample ID															
Depth to Top					14.76	9.91	10.51	11.48	11.7	11.22	11.25	11.29	4.98	4.46	04/01/1900
Depth to Bottom					15.84		10.99	12	12.03	12.34	11.28	12.42	5.82	5.94	5.92
Date Sampled					04/10/2018	08/08/2018	10/09/2018	10/08/2018	11/09/2018	08/08/2018	11/09/2018	08/10/2018	15/01/2019	06/02/2019	06/03/2019
Sample Type															None Supplied
PFOS	0.3	ug/l	DWS	0											
PFOA	0.3	ug/l	DWS	0											0.00274
Metaldehyde	0.1	ug/l	UK DWS	0											
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0											
Chlorbufam	0.1	ug/l	UK DWS	0											
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.1			< 0.01	< 0.1	< 0.01		< 0.01	< 0.01
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.05	< 0.5	< 0.5			< 0.5	< 0.5	< 0.05		< 0.05	< 0.05
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.02	< 0.2	< 0.2			< 0.02	< 0.2	< 0.02		< 0.02	< 0.02
Phenmedipham	0.1	ug/l	UK DWS	0											
Propham	0.1	ug/l	UK DWS	0	< 0.05	< 0.5	< 0.5			< 0.5	< 0.5	< 0.05		< 0.05	< 0.05
Dimefuron	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.2			< 0.02	< 0.2	< 0.02		< 0.02	< 0.02
Metoxuron	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.1			< 0.01	< 0.1	< 0.01		< 0.01	< 0.01
Pencycuron	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.2			< 0.02	< 0.2	< 0.02		< 0.02	< 0.02
o,p-Methoxychlor	0.1	ug/l	UK DWS	0											< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.1				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Diclofop	0.1	ug/l	UK DWS	0	< 1	< 0.02	< 0.02			< 0.02	< 0.02	< 1		< 0.02	< 0.2
Fenvalerate	0.1	ug/l	UK DWS	0											
Cyhalothrin	0.1	ug/l	UK DWS	0											< 0.05
Ametryn	0.1	ug/l	UK DWS	0											
Atrazine-methoxy	0.1	ug/l	UK DWS	0											< 0.01
Bromacil	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.1			< 0.01	< 0.1	< 0.01		< 0.01	< 0.01
Flamprop	0.1	ug/l	UK DWS	0											
Flamprop-isopropyl	0.1	ug/l	UK DWS	0											
Prometon	0.1	ug/l	UK DWS	0											
Simetryn	0.1	ug/l	UK DWS	0											
4-Nitrophenol	7.7	ug/l	FEQS	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 10				< 1		< 8	< 10	< 50	< 4	< 10
Perylene	2	ug/l	FEQS	0											
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	1	< 10				< 1		< 8	< 10	< 50	< 4	< 10
Carbamates															
Pirimicarb	100	ng/l	UK DWS	0	< 10	< 10	< 100			< 10	< 100	< 10		< 10	< 0.01
Carbetamide	100	ng/l	UK DWS	0	< 10	< 10	< 100			< 10	< 100	< 10		< 10	< 0.01
Phthalates															
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	3	21.6				< 2		20	< 20	< 100	< 8	< 20
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 50				< 5		< 40	< 50	< 250	< 20	< 50
Total phthalates	N/A	mg/l	-	0											
Glycols															
Ethylene Glycol	0.01	mg/l	Default	0											
Diethylene Glycol	0.01	mg/l	Default	0											
1,2-Propanediol	0.01	mg/l	Default	0											
Rodenticides															
Triazine Pesticides															
Atrazine	0.1	ug/l	UK DWS	0	< 0.01	< 0.1				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Simazine	0.1	ug/l	UK DWS	0	< 0.01	< 0.1				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Prometryn	0.1	ug/l	UK DWS	0	< 0.01	< 0.01				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Propazine	0.1	ug/l	UK DWS	0	< 0.01	< 0.01				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Terbuthylazine	0.1	ug/l	UK DWS	0											
Terbutryn	0.1	ug/l	UK DWS	0	< 0.01	< 0.01				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Acid herbicides esters															
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0											
2,4-D butyl ester	0.1	ug/l	UK DWS	0											
2,4-D ethyl ester	0.1	ug/l	UK DWS	0											
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0											
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0											
Acid Herbicides															

Appendix G

G4 Landfill Leachate Screening

Assessment Senario Water Abstraction

				Summary											
Lab Sample ID															19500421
Client Sample No	**Screening Value**	**Units**	**Screening Standard**	**Number of Exceedances**	LW201	LW202	LW202	LW203	LW203	LW204	LW204	LW204	LW205	LW205	LW205
Client Sample ID															
Depth to Top					14.76	9.91	10.51	11.48	11.7	11.22	11.25	11.29	4.98	4.46	04/01/1900
Depth to Bottom					15.84		10.99	12	12.03	12.34	11.28	12.42	5.82	5.94	5.92
Date Sampled					04/10/2018	08/08/2018	10/09/2018	10/08/2018	11/09/2018	08/08/2018	11/09/2018	08/10/2018	15/01/2019	06/02/2019	06/03/2019
Sample Type															None Supplied
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 100	< 1	< 5			< 1	< 1	< 100		< 1	< 10
Benazolin	0.1	ug/l	UK DWS	0	< 2.5	< 0.05	< 0.05			< 0.05	< 0.05	< 2.5		< 0.05	< 0.5
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.5	< 0.01	< 0.01			< 0.01	< 0.01	< 0.5		< 0.01	< 0.1
Clopyralid	0.1	ug/l	UK DWS	1	< 1.5	< 0.03	< 0.3			< 0.03	< 0.3	< 1.5		< 0.03	< 0.3
Ioxynil	0.1	ug/l	UK DWS	0	< 0.5	< 0.01	< 0.01			< 0.01	< 0.01	< 0.5		< 0.01	< 0.1
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.5	< 0.01	< 0.01			< 0.01	< 0.01	< 0.5		< 0.01	< 0.1
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.5	< 0.01	< 0.01			< 0.01	< 0.01	< 0.5		< 0.1	< 0.1
2,4-D	0.1	ug/l	UK DWS	0	< 0.5	0.024	0.056			< 0.01	< 0.01	< 0.5		< 0.01	< 0.1
2,4-DB	0.1	ug/l	UK DWS	0	< 1	< 0.02	< 0.02			< 0.02	< 0.02	< 1		< 0.02	< 0.2
Dicamba	0.1	ug/l	UK DWS	0	< 1.5	< 0.03	< 0.03			< 0.03	< 0.03	< 1.5		< 0.03	< 0.3
Dichlorprop	0.1	ug/l	UK DWS	0	< 0.5	0.015	< 0.01			< 0.01	< 0.01	< 0.5		< 0.01	< 0.1
MCPA	0.1	ug/l	UK DWS	0	< 0.5	< 0.01	< 0.01			0.054	0.06	< 0.5		< 0.01	< 0.1
MCPB	0.1	ug/l	UK DWS	0	< 1	< 0.02	< 0.02			< 0.02	< 0.02	< 1		< 0.02	< 0.2
Mecoprop	0.1	ug/l	UK DWS	6	< 0.5	1.23	1.91			2.44	3.51	< 0.5		< 0.01	< 0.1
Picloram	0.1	ug/l	UK DWS	0	< 1	< 0.02	< 0.2			< 0.02	< 0.2	< 1		< 0.02	< 0.2
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0											
Organochlorine Pesticides															
Aldrin	0.03	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
Dieldrin	0.03	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.2					< 0.02	< 0.2	< 0.04		< 0.02	< 0.02
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.2					< 0.02	< 0.2	< 0.04		< 0.02	< 0.02
Endrin	0.1	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
Trifluralin	0.1	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
Organonitrogen pesticides															
Bentazone	0.1	ug/l	UK DWS	0	< 0.5	< 0.01	< 0.01			< 0.01	< 0.01	< 0.5		< 0.01	< 0.1
Fluroxypyr	0.1	ug/l	UK DWS	0	< 1	< 0.02	< 0.02			0.052	< 0.02	< 1		< 0.02	< 0.2
Triclorpyr	0.1	ug/l	UK DWS	0	< 1.5	< 0.03	< 0.03			< 0.03	< 0.03	< 1.5		< 0.03	< 0.3
Organophosphorous pesticides															
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.2				< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Azinphos-methyl	0.1	ug/l	UK DWS	1	< 0.02	< 0.2				< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.1				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos I	0.1	ug/l	UK DWS	0											
Chlorfenvinphos II	0.1	ug/l	UK DWS	0											
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0											
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.1				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.1				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01	< 0.1				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.1				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.1				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01	< 0.1				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Appendix G

G4 Landfill Leachate Screening

Assessment Senario Water Abstraction

				Summary											
Lab Sample ID															19500421
Client Sample No	**Screening Value**	**Units**	**Screening Standard**	**Number of Exceedances**	LW201	LW202	LW202	LW203	LW203	LW204	LW204	LW204	LW205	LW205	LW205
Client Sample ID															
Depth to Top					14.76	9.91	10.51	11.48	11.7	11.22	11.25	11.29	4.98	4.46	04/01/1900
Depth to Bottom					15.84		10.99	12	12.03	12.34	11.28	12.42	5.82	5.94	5.92
Date Sampled					04/10/2018	08/08/2018	10/09/2018	10/08/2018	11/09/2018	08/08/2018	11/09/2018	08/10/2018	15/01/2019	06/02/2019	06/03/2019
Sample Type															None Supplied
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.1				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0	< 0.01	< 0.1				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.1				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.1				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.1				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenylurea herbicides															
Isoproturon	100	ng/l	UK DWS	0	< 10	< 10	< 100			< 10	< 100	< 10		< 10	< 0.01
Chlortoluron	100	ng/l	UK DWS	0	< 10	< 10	< 100			< 10	< 100	< 10		< 10	< 0.01
Diflubenzuron	100	ng/l	UK DWS	0	< 20	< 20	< 200			< 20	< 200	< 20		< 20	< 0.02
Diuron	100	ng/l	UK DWS	0	< 10	< 10	< 100			< 10	< 100	< 10		< 10	< 0.01
Linuron	100	ng/l	UK DWS	0	< 20	< 20	< 200			< 20	< 200	< 20		< 20	< 0.02
Methabenzthiazuron	100	ng/l	UK DWS	0	< 10	< 10	< 100			< 10	< 100	< 10		< 10	< 0.01
Monolinuron	100	ng/l	UK DWS	0	< 20	< 20	< 200			< 20	< 200	< 20		< 20	< 0.02
Monuron	100	ng/l	UK DWS	4	291	126	< 200			< 20	< 200	< 20		< 20	<20
VFAs															
Acetic acid	0.01	mg/l	Default	6	31.2	18.6	33.8		< 10	< 10	< 10	14.4	< 10	< 10	< 10
Propanoic acid	0.01	mg/l	Default	2	< 10	< 10	< 20		< 10	< 10	< 10	< 10	< 10	< 10	< 10
Butyric acid	0.01	mg/l	Default	1	< 10	< 10	< 20		< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutyric acid	0.01	mg/l	Default	1	< 10	< 10	< 20		< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 20		< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 20		< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 20		< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 11	< 11	< 22		< 11	< 11	< 11	< 11	< 11	< 11	< 11
Pyrethroids															
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05				< 0.05	< 0.05	< 0.05	< 1	< 0.05	< 0.05
Cypermethrin	100	ng/l	UK DWS	0	< 50	< 50				< 50	< 50	< 50	< 1000	< 50	< 0.05
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05				< 0.05	< 0.05	< 0.05	< 1	< 0.05	< 0.05
Permethrin	0.1	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
Permethrin	0.1	ug/l	UK DWS	0	< 0.1					< 0.01	< 0.1	< 0.02		< 0.01	< 0.01
Organotins															
Tributyltin compounds	0.2	ng/l	FEQS	0	< 3					< 2	< 6	< 1		< 6	< 6
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 3					< 2	< 6	< 1		< 6	< 6
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	0	< 15					< 10	< 30	< 5		< 30	< 30
Chlorophenols															
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.01				< 0.001		< 0.008	< 0.01	< 0.05	< 0.004	< 10
Others															
Bromoform	0.1	mg/l	WHO	0	< 0.001	< 0.001				< 0.01	< 0.001	< 0.001	< 0.01	< 0.001	< 1
Lambda-cyhalothrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05				< 0.05	< 0.05	< 0.05	< 1	< 0.05	
Methane	N/A	ug/l	-	0	10200						1600	1080		< 1	< 2.26

Appendix G

G5 Perched Groundwater Screening

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID															19507794		
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	BH206	BH209	BH209	BH210	BH213	BH214	BH214	BH214	BH223	BH228	BH228	BH231	BH231
Client Sample ID																	
Depth to Top					7.22	12.54	12.82	9.58	16.79	18.41	18.4	18.46	8.1	5.29	6.65	7.65	6.89
Depth to Bottom					8.15	12.54-13.35	13.33	not supplied	17.69	19.27	19.05	19.20	8.88	8.15	8.23	8.0	8.0
Date Sampled					15/08/2018	11/09/2018	08/10/2018	15/01/2019	16/08/2018	16/08/2018	12/09/2018	08/10/2018	15/01/2019	06/02/2019	07/03/2019	15/01/2019	06/02/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-		7.4	7.44	7.74	7.37	7.35	6.98	7.48	7.43	7.28	7.93	7.4	7.14	7
Total Cyanide	50	ug/l	UK DWS	1	< 50	50	< 50	< 50	< 50	< 50	< 50	< 50		< 50	< 50	51	< 50
Complex Cyanides	50	ug/l	UK DWS	1	< 50	50	< 50	< 50	< 50	< 50	< 50	< 50		< 50	< 50	51	< 50
Free Cyanide	50	ug/l	UK DWS	0	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50		< 50	< 50	< 50	< 50
Thiocyanate as SCN	50	ug/l	UK DWS	3	< 50	100	119	< 50	< 50	< 50	< 50	66		< 50	< 50	< 50	< 50
Sulphate as SO4	250000	ug/l	UK DWS	2	322000	104000	98400	259000	8100	29800	29200	8800	24000	99200	90700	94300	155000
Sulphide	250000	ug/l	UK DWS	0	< 10	< 10	1360	< 10	109	< 10	< 10	95	< 10	< 10	< 10	< 10	< 10
Chloride	250	mg/l	UK DWS	12	223	544	503	192	250	390	395	482		1500	742	174	928
Fluoride	1500	ug/l	UK DWS	0	< 500	892	715	830	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	17	104000	293000	289000	29600	224000	97900	103000	110000	119000	294	350	3950	815
Nitrate as NO3	50	mg/l	UK DWS	0	< 0.3	0.302	2.07	0.316	0.446	19.1	< 0.3	< 0.3		3.32	0.326	< 0.3	< 0.3
Nitrite as NO2	500	ug/l	UK DWS	0	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50		324	87	< 50	186
Alkalinity	N/A	mg/l	-	0	1510	3700	2930	1000	1940	1870	1880	4050	2200	157	241	1470	259
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	243	565	852	1250	198	306	580	976	9460	47.8	24.5	2180	146
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	16.1	41.2	52.3	< 500	< 5	< 50	127	121	104	< 1	< 1	62.7	12.1
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	0	< 0.1	< 0.1	0.477	< 0.1	0.107	4.32	< 0.1	< 0.1		0.849	0.1	< 0.1	< 0.1
Total Suspended Solids	N/A	mg/l	-	0	475	3620	4900	22200	67.3	790	2730	17100	110000	8.55	21.4	7880	717
Hardness - Total	N/A	mg/l	-	0	1260	1470	1520	287	565	1490	3240	1630	14500	738	475	2130	902
Bromide	N/A	mg/l	-	0	2.24	6.81	< 0.06		2.5	4.59	4.72	< 0.06	1.49	0.568	0.354	0.888	0.472
Bromate	0.01	mg/l	UK DWS	2	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005
Phenols																	
Cresols	100	ug/l	FEQS	1	20	10	10	< 6	< 6	< 6	< 6	10	< 6	< 6	< 6	40	< 6
Isopropylphenol	7.7	ug/l	FEQS	1	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Phenol	7.7	ug/l	FEQS	3	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	40	< 2
Trimethylphenol	100	ug/l	FEQS	0	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	3	0.0771	0.562		0.0353	0.0251	0.0432	0.0286	0.0232	0.858	0.0363	0.184	76.1	72.9
Acenaphthylene	2	ug/l	FEQS	0	0.104	0.19		< 0.005	0.0094	< 0.005	< 0.005	0.017	0.134	< 0.005	0.00551	1.45	0.674
Acenaphthene	2000	ug/l	USEPA	0	2.32	4.57		0.284	0.281	0.0288	0.116	0.234	0.711	0.141	0.112	9.99	8.82
Fluorene	2	ug/l	FEQS	4	0.588	3.5		0.188	0.072	0.0197	0.0779	0.113	0.714	0.0817	0.0371	7.74	9.8
Phenanthrene	2	ug/l	FEQS	7	1.21	9.69		0.768	0.0127	0.12	0.531	0.338	3.78	0.105	0.00828	31	26.9
Anthracene	0.1	ug/l	FEQS	11	0.5	2.51		0.192	0.00505	0.0325	0.157	0.0523	0.993	0.0234	0.0124	8.28	5.74
Fluoranthene	0.0063	ug/l	FEQS	17	7.55	10.6		1.47	0.0573	0.315	1.47	0.947	6.96	0.0593	0.0806	41	31.9
Pyrene	2	ug/l	FEQS	8	6.54	8.72		1.23	0.0527	0.293	1.4	0.939	6.31	0.0418	0.0674	34.8	24.4
Benzo(a)anthracene	2	ug/l	FEQS	8	2.23	4.51		0.461	< 0.005	0.0926	0.707	0.303	3.18	< 0.005	0.0163	11.9	5.98
Chrysene	2	ug/l	FEQS	8	2.09	3.89		0.374	< 0.005	0.113	0.705	0.344	2.83	< 0.005	0.0107	10.1	5.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	14	3.62	8.27		0.777	0.0173	0.211	1.84	0.436	7.07	0.00982	0.0191	12.5	10.9
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	13	1.38	3.59		0.324	0.00969	0.0896	0.705	0.138	3.39	< 0.005	0.00997	5.25	5.46
Benzo(a)pyrene	0.01	ug/l	UK DWS	16	2.7	6.62		0.535	0.0143	0.129	1.27	0.259	5.18	0.00657	0.0113	10.8	7.99
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	13	1.27	4.38		0.207	0.0113	0.0898	0.721	0.199	3.34	< 0.005	0.00692	5.97	4.29
Dibenzo(a,h)anthracene	2	ug/l	FEQS	1	0.312	0.817		0.062	< 0.005	0.0293	0.189	< 0.01	0.971	< 0.005	< 0.005	1.24	1.19
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	13	1.61	4.44		0.288	< 0.005	0.0894	1.05	0.265	5.27	< 0.005	0.0149	6.77	6.88
Heavy metals and metalloids																	
Antimony	5	ug/l	UK DWS	0	1.16	1.64	1.57	< 1	< 1	< 1	1.09	< 1	1.23	1.9	1.3	1.94	2.95
Arsenic	10	ug/l	UK DWS	6	6.02	10.4	12.2	6.87	3.7	25.2	29.3	32	6.86	1.96	1.17	11	4.2
Barium	700	ug/l	WHO	5	432	882	850	2800	777	458	473	520	3080	206	122	338	243
Beryllium	4	ug/l	USEPA	0	0.348	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron	1000	ug/l	UK DWS	9	2040	28000	24500	3150	2890	2330	2180	2560	2540	36.8	55	322	95.5

Appendix G

G5 Perched Groundwater Screening

Assessment Senario: Water Abstraction

				Summary													
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**											19507794		
Client Sample No					BH206	BH209	BH209	BH210	BH213	BH214	BH214	BH214	BH223	BH228	BH228	BH231	BH231
Client Sample ID																	
Depth to Top					7.22	12.54	12.82	9.58	16.79	18.41	18.4	18.46	8.1	5.29	6.65	7.65	6.89
Depth to Bottom					8.15	12.54-13.35	13.33	not supplied	17.69	19.27	19.05	19.20	8.88	8.15	8.23	8.0	8.0
Date Sampled					15/08/2018	11/09/2018	08/10/2018	15/01/2019	16/08/2018	16/08/2018	12/09/2018	08/10/2018	15/01/2019	06/02/2019	07/03/2019	15/01/2019	06/02/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	0.132	< 0.08	< 0.08	< 0.08	< 0.08
Calcium	N/A	mg/l	-	0	294	141	146	205	127	257	285	230	175	249	179	244	287
Chromium VI	3.4	ug/l	FEQS	0	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 0.03	< 30	< 30
Chromium III	4.7	ug/l	FEQS	0	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	0.0384	< 30	< 30
Chromium Total	50	ug/l	UK DWS	0	1.16	7.7	7.61	< 1	5.51	2.09	1.99	1.78	2.09	1.59	38.4	1.4	< 1
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	0.377	< 0.3	11.6	< 0.3	< 0.3	< 0.3	< 0.3
Iron	0.2	mg/l	UK DWS	17	5.61	15	10.4	6.88	15.9	27	12.5	31.4	9.88	0.776	1.14	14.3	3.68
Lead	10	ug/l	UK DWS	1	< 0.2	0.208	< 0.2	0.387	< 0.2	0.427	0.392	0.504	40.8	0.335	0.312	4.38	0.407
Magnesium	N/A	mg/l	-	0	61.4	65.6	65.9	93.1	49.3	88	81.1	101	36.1	7.12	4.35	13.6	7.29
Manganese (bioavailable)	50	ug/l	UK DWS	19	5590	344	292	3460	163	3880	3740	3920	1870	154	165	2660	373
Mercury	1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Molybdenum	70	ug/l	WHO	0	8.98	< 3	< 3	10.8	< 3	4.43	9	< 3	10.9	11.3	13.9	6.07	7.06
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	10	54.9	27.2	28.7	6.31	36.5	30.3	39.8	23.8	20.5	2.65	2.75	35.2	24.1
Potassium	N/A	mg/l	-	0	90.8	172	175	53.1	128	49.3	44.7	49.6	48.1	21	19.6	15.2	21.8
Selenium	10	ug/l	UK DWS	0	< 1	< 1	< 1	1.68	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50	mg/l	WHO	19	242	556	577	309	323	303	295	332	172	696	402	107	361
Vanadium	20	ug/l	FEQS	0	2.43	4.7	4.62	1.24	2.93	2.72	2.01	3.03	2.01	4.17	4.12	3.2	3.33
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	2.92	16.9	8.65	538	6.92	7.95	3.4	3.89	349	23.5	14.7	75.9	75
Monoaromatics																	
Benzene	1	ug/l	UK DWS	7	2.4	1.41	< 1	< 1	1.32	< 1	< 1	< 1	1.49	< 1	< 1	< 1	< 1
Toluene	74	ug/l	FEQS	2	< 1	< 1	< 1	< 1	6.04	< 1	< 1	< 1	1.99	< 1	1.37	4.31	8.19
Ethylbenzene	20	ug/l	FEQS	3	1.36	3.78	1.6	< 1	< 1	< 1	< 1	< 1	4.86	< 1	< 1	26.4	10.3
Xylenes	30	ug/l	FEQS	6	6.39	41.4	30.3	< 2	< 2	< 2	< 2	< 2	7.65	< 2	6.9	129	71.5
MTBE	15	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Petroleum hydrocarbons																	
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 10	17	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	12	21	< 10	24	11	< 10	< 10	< 10	13	< 10	< 10	58	17
TPH >C8-C10 Aliphatics	300	ug/l	WHO	3	12	23	< 10	18	15	< 10	< 10	< 10	38	< 10	< 10	568	176
TPH >C10-C12 Aliphatics	300	ug/l	WHO	4	21	32	18	15	19	< 10	< 10	< 10	56	< 10	< 10	912	303
TPH >C12-C16 Aliphatics	300	ug/l	WHO	4	23	33		< 200	< 10	< 10	22	71	2220	< 10	< 10	2460	4570
TPH >C16-C21 Aliphatics	300	ug/l	WHO	6	104	80		371	30	34	199	1340	12000	< 10	22	10400	22400
TPH >C21-C35 Aliphatics	300	ug/l	WHO	12	405	528		2370	142	297	1810	9050	77600	< 10	62	45400	99900
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	12	509	608		2740	172	331	2010	10400	89600	< 10		55800	122000
C5-C35 Aliphatics	N/A	ug/l	-	0											119		
TPH >C5-C6 Aromatics	10	ug/l	WHO	1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C8-C9 Aromatics	300	ug/l	WHO	0													
TPH >C9-C10 Aromatics	300	ug/l	WHO	0													
TPH >C8-C10 Aromatics	300	ug/l	WHO	3	19	54	38	14	10	< 10	< 10	< 10	39	< 10	15	548	209
TPH >C10-C12 Aromatics	90	ug/l	WHO	4	14	21	12	10	12	< 10	< 10	< 10	37	< 10	< 10	608	202
TPH >C12-C16 Aromatics	90	ug/l	WHO	4	65	48		< 200	< 10	< 10	< 20	41	1470	< 10	< 10	631	910
TPH >C16-C21 Aromatics	90	ug/l	WHO	7	71	91		< 200	< 10	16	114	136	5170	< 10	< 10	2170	3880
TPH >C21-C35 Aromatics	90	ug/l	WHO	10	159	281		< 200	31	60	440	2050	18500	< 10	< 10	10000	19900
TPH >C35-C44 Aromatics	90	ug/l	WHO	0													
C5-C35 Aromatics	N/A	ug/l	-	0													
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	3	ug/l	UK DWS	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Chloride	0.5	ug/l	UK DWS	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Appendix G

G5 Perched Groundwater Screening

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID															19507794		
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	BH206	BH209	BH209	BH210	BH213	BH214	BH214	BH214	BH223	BH228	BH228	BH231	BH231
Client Sample ID																	
Depth to Top					7.22	12.54	12.82	9.58	16.79	18.41	18.4	18.46	8.1	5.29	6.65	7.65	6.89
Depth to Bottom					8.15	12.54-13.35	13.33	not supplied	17.69	19.27	19.05	19.20	8.88	8.15	8.23	8.0	8.0
Date Sampled					15/08/2018	11/09/2018	08/10/2018	15/01/2019	16/08/2018	16/08/2018	12/09/2018	08/10/2018	15/01/2019	06/02/2019	07/03/2019	15/01/2019	06/02/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	2.45	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2.08	< 1	< 1	1.55	2.06
MTBE	15	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1 -Dichloroethane	3	ug/l	UK DWS	0	1.05	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	1	ug/l	UK DWS	7	2.4	1.41	< 1	< 1	1.32	< 1	< 1	< 1	1.49	< 1	< 1	< 1	< 1
Tetrachloromethane	3	ug/l	UK DWS	0											< 1		
1,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	74	ug/l	FEQS	2	< 1	< 1	< 1	< 1	6.04	< 1	< 1	< 1	1.99	< 1	1.37	4.31	8.19
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	100	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	0.4	ug/l	FEQS	1	2.33	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	20	ug/l	FEQS	3	1.36	3.78	1.6	< 1	< 1	< 1	< 1	< 1	4.86	< 1	< 1	26.4	10.3
m,p-Xylenes	30	ug/l	FEQS	6	6.39	41.4	30.3	< 1	< 1	< 1	< 1	< 1	5.68	< 1	5.66	108	57.9
Styrene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tribromomethane	10	ug/l	Default	0											-		
o-Xylene	30	ug/l	FEQS	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.97	< 1	1.24	21.4	13.6
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Iso-propylbenzene	1	ug/l	UK DWS	3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2.35	< 1
Bromobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Propylbenzene	1	ug/l	UK DWS	4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	7.27	1.32
2-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	6	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.3	< 1	1.33	69.2	34.8
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	10	1.12	1.36	< 1	< 1	< 1	< 1	< 1	< 1	4.12	< 1	4.11	173	64.8
sec-Butylbenzene	1	ug/l	UK DWS	3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2.2	< 1
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.85	< 1
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2.66	< 1
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Butylbenzene	1	ug/l	UK DWS	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Appendix G

G5 Perched Groundwater Screening

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID															19507794		
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	BH206	BH209	BH209	BH210	BH213	BH214	BH214	BH214	BH223	BH228	BH228	BH231	BH231
Client Sample ID																	
Depth to Top					7.22	12.54	12.82	9.58	16.79	18.41	18.4	18.46	8.1	5.29	6.65	7.65	6.89
Depth to Bottom					8.15	12.54-13.35	13.33	not supplied	17.69	19.27	19.05	19.20	8.88	8.15	8.23	8.0	8.0
Date Sampled					15/08/2018	11/09/2018	08/10/2018	15/01/2019	16/08/2018	16/08/2018	12/09/2018	08/10/2018	15/01/2019	06/02/2019	07/03/2019	15/01/2019	06/02/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	100	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichloromethane	20	ug/l	FEQS	0	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Carbon disulphide	10	ug/l	Default	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.16	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
2-Chlorophenol	50	ug/l	FEQS	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0											-		
2-Methylphenol	100	ug/l	FEQS	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
Hexachloroethane	40	ug/l	USEPA	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
Nitrobenzene	1	ug/l	UK DWS	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
4-Methylphenol	100	ug/l	FEQS	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
Isophorone	7000	ug/l	USEPA	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
2-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	10.7	< 1
Bis(2-chloroethoxy)methane	10	ug/l	Default	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
2-Methylnaphthalene	2	ug/l	FEQS	1	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	46.5	< 1
2-Chloronaphthalene	2	ug/l	FEQS	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
Dimethylphthalate	800	ug/l	FEQS	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	401	< 1	< 1	< 10	< 1
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
Dibenzofuran	2	ug/l	FEQS	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
Diethyl phthalate	200	ug/l	FEQS	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
Bromophenyl phenyl ether	10	ug/l	Default	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
Hexachlorobenzene	1	ug/l	USEPA	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
Phenanthrene	2	ug/l	FEQS	7	1.21	9.69		0.768	0.0127	0.12	0.531	0.338	3.78	0.105	0.00828	31	26.9
Carbazole	2	ug/l	FEQS	1	1.44	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	12.6	< 1
Di-n-butyl phthalate	8	ug/l	FEQS	3	< 1	< 8	< 10	< 20	6.22		< 8	< 10	241	< 1	< 1	2790	24.5
Butyl benzyl phthalate	7.5	ug/l	FEQS	4	< 1	< 8	< 10	< 20	< 1		< 8	< 10	113	< 1	< 1	10500	101
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 81	25	ug/l	FEQS	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 105	25	ug/l	FEQS	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 114	25	ug/l	FEQS	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 118	25	ug/l	FEQS	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 123	25	ug/l	FEQS	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 126	25	ug/l	FEQS	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 156	25	ug/l	FEQS	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 157	25	ug/l	FEQS	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 167	25	ug/l	FEQS	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 169	25	ug/l	FEQS	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 189	25	ug/l	FEQS	0	< 0.015	< 0.015		< 0.015	< 0.015	< 0.015	< 0.03	< 0.03	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCBs	25	ug/l	FEQS	0													
Environmental Forensics																	

Appendix G

G5 Perched Groundwater Screening

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID														19507794		
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	BH206	BH209	BH209	BH210	BH213	BH214	BH214	BH214	BH223	BH228	BH228	BH231	BH231
Client Sample ID																	
Depth to Top					7.22	12.54	12.82	9.58	16.79	18.41	18.4	18.46	8.1	5.29	6.65	7.65	6.89
Depth to Bottom					8.15	12.54-13.35	13.33	not supplied	17.69	19.27	19.05	19.20	8.88	8.15	8.23	8.0	8.0
Date Sampled					15/08/2018	11/09/2018	08/10/2018	15/01/2019	16/08/2018	16/08/2018	12/09/2018	08/10/2018	15/01/2019	06/02/2019	07/03/2019	15/01/2019	06/02/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
PFOS	0.3	ug/l	DWS	2	0.136	0.207		< 0.1	0.216	0.0307		0.0628		0.00978	0.0172	1.02	0.125
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0	0.0569	0.0786		< 0.065	0.0653	0.0341		0.0487		0.00446	0.00501	< 0.0325	0.00639
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.01		< 0.1	< 0.1	< 0.1	< 0.01		< 0.01	< 0.01		< 0.01
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.5	< 0.5	< 0.05		< 0.5	< 0.5	< 0.5	< 0.05		< 0.05	< 0.05		< 0.05
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.2	< 0.2	< 0.02		< 0.2	< 0.2	< 0.2	< 0.02		< 0.02	< 0.02		< 0.02
Phenmedipham	0.1	ug/l	UK DWS	0													
Propham	0.1	ug/l	UK DWS	0	< 0.5	< 0.5	< 0.05		< 0.5	< 0.5	< 0.5	< 0.05		< 0.05	< 0.05		< 0.05
Dimefuron	0.1	ug/l	UK DWS	0	< 0.2	< 0.2	< 0.02		< 0.2	< 0.2	< 0.2	< 0.02		< 0.02	< 0.02		< 0.02
Metoxuron	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.01		< 0.1	< 0.1	< 0.1	< 0.01		< 0.01	< 0.01		< 0.01
Pencycuron	0.1	ug/l	UK DWS	0	< 0.2	< 0.2	< 0.02		< 0.2	< 0.2	< 0.2	< 0.02		< 0.02	< 0.02		< 0.02
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.2		< 0.2	< 0.01	-	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Diclofop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 1		< 0.02	< 0.02	< 0.02	< 1		< 0.02	< 0.2		< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0													
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 0.05	< 0.05	< 0.05	< 0.05
Atrazine-methoxy	0.1	ug/l	UK DWS	0											< 0.01		
Bromacil	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.01		< 0.1	< 0.1	< 0.1	< 0.01		< 0.01	< 0.01		< 0.01
4-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
Perylene	2	ug/l	FEQS	0													
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 8	< 10	< 20	< 1		< 8	< 10	< 50	< 1	< 1	< 10	< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0	< 100	< 100	< 10		< 10	< 100	< 100	< 10		< 10	< 0.01		< 10
Carbetamide	100	ng/l	UK DWS	0	< 100	< 100	< 100		< 100	< 100	< 100	< 100		< 100	< 0.01		< 100
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	2	< 2	< 16	< 20	< 40	< 2		< 16	< 20	468	< 2	< 2	235	6.79
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 5	< 40	< 50	< 100	< 5		< 40	< 50	< 250	< 5	< 5	< 50	< 5
Glycols																	
Rodenticides																	
Triazine Pesticides																	
Atrazine	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Simazine	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Prometryn	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01	< 0.01	< 0.01
Propazine	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01	< 0.01	< 0.01
Terbutryn	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01	< 0.01	< 0.01
Acid herbicides esters																	
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 0.1	< 1	< 100		< 0.1	< 1	< 1	< 100		< 1	< 10		< 1
Benazolin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 2.5		< 0.05	< 0.05	< 0.05	< 2.5		< 0.05	< 0.5		< 0.05
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.5		< 0.01	< 0.01	< 0.01	< 0.5		< 0.01	< 0.1		< 0.01
Clopyralid	0.1	ug/l	UK DWS	0	< 0.03	< 0.3	< 1.5		< 0.03	< 0.03	< 0.3	< 1.5		< 0.03	< 0.3		< 0.03
Ioxynil	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.5		< 0.01	< 0.01	< 0.01	< 0.5		< 0.01	< 0.1		< 0.01
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.5		< 0.01	< 0.01	< 0.01	< 0.5		< 0.01	< 0.1		< 0.01
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.01	0.079	< 0.5		< 0.01	< 0.01	< 0.01	< 0.5		< 0.1	< 0.1		< 0.1
2,4-D	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.5		< 0.01	< 0.01	0.045	< 0.5		< 0.01	< 0.1		< 0.01
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 1		< 0.02	< 0.02	< 0.02	< 1		< 0.02	< 0.2		< 0.02
Dicamba	0.1	ug/l	UK DWS	0	< 0.03	< 0.03	< 1.5		< 0.03	< 0.03	< 0.03	< 1.5		< 0.03	< 0.3		< 0.03
Dichlorprop	0.1	ug/l	UK DWS	3	0.167	0.042	< 0.5		< 0.01	< 0.01	< 0.01	< 0.5		< 0.01	< 0.1		0.015
MCPA	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.5		< 0.01	< 0.01	< 0.01	< 0.5		< 0.01	< 0.1		< 0.01
MCPB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 1		< 0.02	< 0.02	< 0.02	< 1		< 0.02	< 0.2		< 0.02

Appendix G

G5 Perched Groundwater Screening

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID															19507794		
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	BH206	BH209	BH209	BH210	BH213	BH214	BH214	BH214	BH223	BH228	BH228	BH231	BH231
Client Sample ID																	
Depth to Top					7.22	12.54	12.82	9.58	16.79	18.41	18.4	18.46	8.1	5.29	6.65	7.65	6.89
Depth to Bottom					8.15	12.54-13.35	13.33	not supplied	17.69	19.27	19.05	19.20	8.88	8.15	8.23	8.0	8.0
Date Sampled					15/08/2018	11/09/2018	08/10/2018	15/01/2019	16/08/2018	16/08/2018	12/09/2018	08/10/2018	15/01/2019	06/02/2019	07/03/2019	15/01/2019	06/02/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Mecoprop	0.1	ug/l	UK DWS	6	0.865	1.26	< 0.5		1.64	< 0.258	0.184	< 0.5		< 0.01	< 0.1		< 0.01
Picloram	0.1	ug/l	UK DWS	0	< 0.02	< 0.2	< 1		< 0.02	< 0.02	< 0.2	< 1		< 0.02	< 0.2		< 0.02
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
Dieldrin	0.03	ug/l	UK DWS	1	< 0.01	2.09		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.02	< 0.4		< 0.4	< 0.02		< 0.02	< 0.02	< 0.04	< 0.02	< 0.02		< 0.02
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.02	< 0.4		< 0.4	< 0.02		< 0.02	< 0.02	< 0.08	< 0.02	< 0.04		< 0.02
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
Isodrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.04	< 0.01	< 0.01		< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	1	< 0.01	0.316		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.02	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.04	< 0.01	< 0.01		< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	1	< 0.01	1.16		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
Trifluralin	0.1	ug/l	UK DWS	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.5		< 0.01	< 0.01	< 0.01	< 0.5		< 0.01	< 0.1		< 0.01
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 1		< 0.02	< 0.02	0.045	< 1		< 0.02	< 0.2		< 0.02
Triclorpyr	0.1	ug/l	UK DWS	0	< 0.03	< 0.03	< 1.5		< 0.03	< 0.03	< 0.03	< 1.5		< 0.03	< 0.3		< 0.03
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.08	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.16	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0	< 100	< 100	< 10		< 100	< 100	< 100	< 10		< 10	< 0.01		< 10
Chlortoluron	100	ng/l	UK DWS	0	< 100	< 100	< 10		< 100	< 100	< 100	< 10		< 10	< 0.01		< 10
Diflubenzuron	100	ng/l	UK DWS	0	< 200	< 200	< 20		< 200	< 200	< 200	< 20		< 20	< 0.02		< 20
Diuron	100	ng/l	UK DWS	1	< 100	< 100	< 10		< 100	< 100	< 100	< 10		17	18		29
Linuron	100	ng/l	UK DWS	0	< 200	< 200	< 20		< 200	< 200	< 200	< 20		< 20	< 0.02		< 20
Methabenzthiazuron	100	ng/l	UK DWS	0	< 100	< 100	< 10		< 100	< 100	< 100	< 10		< 10	< 0.01		< 10

Appendix G

G5 Perched Groundwater Screening

Assessment Senario: Water Abstraction

				Summary													
Lab Sample ID															19507794		
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	BH206	BH209	BH209	BH210	BH213	BH214	BH214	BH214	BH223	BH228	BH228	BH231	BH231
Client Sample ID																	
Depth to Top					7.22	12.54	12.82	9.58	16.79	18.41	18.4	18.46	8.1	5.29	6.65	7.65	6.89
Depth to Bottom					8.15	12.54-13.35	13.33	not supplied	17.69	19.27	19.05	19.20	8.88	8.15	8.23	8.0	8.0
Date Sampled					15/08/2018	11/09/2018	08/10/2018	15/01/2019	16/08/2018	16/08/2018	12/09/2018	08/10/2018	15/01/2019	06/02/2019	07/03/2019	15/01/2019	06/02/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Monolinuron	100	ng/l	UK DWS	0	< 200	< 200	< 20		< 200	< 200	< 200	< 20		< 20	< 0.02		< 20
Monuron	100	ng/l	UK DWS	3	< 200	< 200	112		< 200	< 200	< 200	< 20		< 20	<20		< 20
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Butyric acid	0.01	mg/l	Default	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 11	< 11		< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 0.05	< 0.05	< 0.05	< 0.05
Cypermethrin	100	ng/l	UK DWS	0	< 50	< 50	< 50	< 1000	< 50	< 50	< 50	< 50	< 1000	< 50	< 0.05	< 50	< 50
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 0.05	< 0.05	< 0.05	< 0.05
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.2		< 0.2	< 0.01		< 0.01	< 0.01	< 0.02	< 0.01	< 0.01		< 0.01
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	5	< 3	< 6	< 30		< 1	< 30	8.05	< 30		< 1	< 1		< 6
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 3	< 6	< 30		< 1	< 30	< 6	< 30		< 1	< 1		< 6
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	2	< 15	40	< 150		< 5	< 150	< 30	< 150		< 5	< 5		< 30
Chlorophenols																	
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.001	< 0.008	< 0.01	< 0.02	< 0.001		< 0.008	< 0.01	< 0.05	< 0.001	< 1	< 0.01	< 0.001
Others																	
Bromoform	0.1	mg/l	WHO	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 1	< 0.001	< 0.001
Carbon Tetrachloride	0.003	mg/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001
Lambda-cyhalothrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 0.05		< 0.05	< 0.05
Methane	N/A	ug/l	-	0	2910	8760	1370		17200	4320	621	2330		4600	< 1		4580

Appendix G

G5 Perched Groundwater Screening

Assessment Senario Water Abstraction

				Summary						
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**						19507816
Client Sample No					BWS212	BWS212	BWS217	BWS217	WS224	WS224
Client Sample ID										
Depth to Top					3.64	3.64	3.17	2.97	4.37	4.3
Depth to Bottom					4.45	4.46	4.95	4.95	4.91	4.93
Date Sampled					10/09/2018	08/10/2018	14/01/2019	07/02/2019	06/02/2019	07/03/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Inorganics										
Organics										
General inorganics										
pH	N/A	pH units	-		7.44	7.54	7.95	8.02	7.8	7.75
Total Cyanide	50	ug/l	UK DWS	1	< 50	< 50	< 50	< 50	< 50	< 50
Complex Cyanides	50	ug/l	UK DWS	1	< 50	< 50	< 50	< 50	< 50	< 50
Free Cyanide	50	ug/l	UK DWS	0	< 50	< 50	< 50	< 50	< 50	< 50
Thiocyanate as SCN	50	ug/l	UK DWS	3	< 50	< 50	< 50	< 50	< 50	< 50
Sulphate as SO4	250000	ug/l	UK DWS	2	< 2000	5400	159000	239000	37000	30000
Sulphide	250000	ug/l	UK DWS	0	360	524	< 10	< 10	155	149
Chloride	250	mg/l	UK DWS	12	286	313	295	262	135	125
Fluoride	1500	ug/l	UK DWS	0	731	868	664	605	< 500	< 500
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	17	18900	19100	2110	1800	37200	25600
Nitrate as NO3	50	mg/l	UK DWS	0	< 0.3	< 0.3	< 0.3	10.3	< 0.3	< 0.3
Nitrite as NO2	500	ug/l	UK DWS	0	< 50	61	< 50	198	< 50	< 50
Alkalinity	N/A	mg/l	-	0	759	654	160	165	585	545
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	103	106	85.2	45.5	221	401
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	2.25	< 1.5	2.19	< 1	55	89.5
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	0	< 0.1	< 0.1	< 0.1	2.4	< 0.1	< 0.1
Total Suspended Solids	N/A	mg/l	-	0	402	150	569	160	141	112
Hardness - Total	N/A	mg/l	-	0	1170	1040	527	879	2990	-
Bromide	N/A	mg/l	-	0	0.897	0.857	0.756	0.405	3.73	3.87
Bromate	0.01	mg/l	UK DWS	2	< 0.005	< 0.005	< 0.005	< 0.005	0.0109	0.0171
Phenols										
Cresols	100	ug/l	FEQS	1	< 6	< 6	< 6	< 6	50	190
Isopropylphenol	7.7	ug/l	FEQS	1	< 6	< 6	< 6	< 6	< 6	550
Phenol	7.7	ug/l	FEQS	3	< 2	< 2	< 2	< 2	20	30
Trimethylphenol	100	ug/l	FEQS	0	< 3	< 3	< 3	< 3	< 3	90
Speciated PAHs										
Naphthalene	2	ug/l	FEQS	3	1.13	0.0912	0.705	0.141		6710
Acenaphthylene	2	ug/l	FEQS	0	0.173	0.0438	0.0432	0.628		< 0.5
Acenaphthene	2000	ug/l	USEPA	0	2.98	2.01	1.65	0.84		1210
Fluorene	2	ug/l	FEQS	4	1.92	0.193	1.03	0.619		962
Phenanthrene	2	ug/l	FEQS	7	3.08	0.101	1.31	3.88		4270
Anthracene	0.1	ug/l	FEQS	11	0.952	0.0841	0.336	1.32		996
Fluoranthene	0.0063	ug/l	FEQS	17	7.05	1.37	1.44	10.6		3050
Pyrene	2	ug/l	FEQS	8	5.98	1.16	1.19	9.83		2370
Benzo(a)anthracene	2	ug/l	FEQS	8	2.99	0.378	0.402	4.87		691
Chrysene	2	ug/l	FEQS	8	2.55	0.343	0.355	3.97		533
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	14	6.23	0.447	0.654	9.23		769
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	13	2.37	0.143	0.304	2.66		468
Benzo(a)pyrene	0.01	ug/l	UK DWS	16	4.4	0.323	0.509	7.24		644
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	13	2.61	0.199	0.292	5.24		264
Dibenzo(a,h)anthracene	2	ug/l	FEQS	1	0.674	0.0424	0.0671	1.25		55.1
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	13	3.54	0.28	0.411	5.86		332
Heavy metals and metalloids										
Antimony	5	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	1.06	< 1
Arsenic	10	ug/l	UK DWS	6	3.62	2.99	4.3	1.6	4.26	2.89
Barium	700	ug/l	WHO	5	486	487	71	86.1	204	239
Beryllium	4	ug/l	USEPA	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron	1000	ug/l	UK DWS	9	579	586	123	139	529	506

Appendix G

G5 Perched Groundwater Screening

Assessment Senario Water Abstraction

				Summary						
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**						19507816
Client Sample No					BWS212	BWS212	BWS217	BWS217	WS224	WS224
Client Sample ID										
Depth to Top					3.64	3.64	3.17	2.97	4.37	4.3
Depth to Bottom					4.45	4.46	4.95	4.95	4.91	4.93
Date Sampled					10/09/2018	08/10/2018	14/01/2019	07/02/2019	06/02/2019	07/03/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Calcium	N/A	mg/l	-	0	293	298	185	209	66.5	82.4
Chromium VI	3.4	ug/l	FEQS	0	< 30	< 30	< 30	< 30	< 30	< 0.03
Chromium III	4.7	ug/l	FEQS	0	< 30	< 30	< 30	< 30	< 30	< 0.03
Chromium Total	50	ug/l	UK DWS	0	2.59	1.38	< 1	< 1	1.88	2.82
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Iron	0.2	mg/l	UK DWS	17	5.36	4.63	0.0345	0.0295	0.276	0.342
Lead	10	ug/l	UK DWS	1	< 0.2	< 0.2	< 0.2	0.201	< 0.2	< 0.2
Magnesium	N/A	mg/l	-	0	11.3	11.1	3.1	3.48	7.24	7.9
Manganese (bioavailable)	50	ug/l	UK DWS	19	1240	1220	386	280	113	131
Mercury	1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Molybdenum	70	ug/l	WHO	0	< 3	< 3	11.4	10.5	9.18	4
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	10	2.35	1.96	1.91	2	10.7	8.31
Potassium	N/A	mg/l	-	0	34.5	33.8	4.51	5.19	13.9	13
Selenium	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50	mg/l	WHO	19	91.5	87.4	100	106	244	201
Vanadium	20	ug/l	FEQS	0	2.68	2.46	< 1	< 1	1.9	1.83
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	1.09	8.73	< 1	3.88	1.17	7.24
Monoaromatics										
Benzene	1	ug/l	UK DWS	7	< 1	1.36	< 1	< 1	11	11.4
Toluene	74	ug/l	FEQS	2	< 1	< 1	< 1	< 1	401	541
Ethylbenzene	20	ug/l	FEQS	3	< 1	< 1	< 1	< 1	415	364
Xylenes	30	ug/l	FEQS	6	8.6	7.14	< 2	< 2	3170	2280
MTBE	15	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Petroleum hydrocarbons										
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 10	< 10	< 10	< 10	14	18
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 10	< 10	< 10	< 10	282	330
TPH >C8-C10 Aliphatics	300	ug/l	WHO	3	< 10	< 10	< 10	< 10	3390	4120
TPH >C10-C12 Aliphatics	300	ug/l	WHO	4	< 10	< 10	< 10	< 10	3640	4510
TPH >C12-C16 Aliphatics	300	ug/l	WHO	4	37	< 10	< 10	23		17700
TPH >C16-C21 Aliphatics	300	ug/l	WHO	6	124	< 10	73	216		74300
TPH >C21-C35 Aliphatics	300	ug/l	WHO	12	523	38	535	1820		329000
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	12	647	38	608	2040		
C5-C35 Aliphatics	N/A	ug/l	-	0						545000
TPH >C5-C6 Aromatics	10	ug/l	WHO	1	< 10	< 10	< 10	< 10	< 10	11
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 10	< 10	< 10	< 10	384	531
TPH >C8-C9 Aromatics	300	ug/l	WHO	0						
TPH >C9-C10 Aromatics	300	ug/l	WHO	0						
TPH >C8-C10 Aromatics	300	ug/l	WHO	3	10	< 10	< 10	< 10	4240	5150
TPH >C10-C12 Aromatics	90	ug/l	WHO	4	< 10	< 10	< 10	< 10	2420	3010
TPH >C12-C16 Aromatics	90	ug/l	WHO	4	17	< 10	< 10	17		5760
TPH >C16-C21 Aromatics	90	ug/l	WHO	7	73	< 10	15	82		16300
TPH >C21-C35 Aromatics	90	ug/l	WHO	10	212	< 10	< 10	360		84200
TPH >C35-C44 Aromatics	90	ug/l	WHO	0						
C5-C35 Aromatics	N/A	ug/l	-	0						
VOCs										
Chloromethane	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	3	ug/l	UK DWS	2	< 1	< 1	< 1	< 1	3.04	3.63
Bromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Chloride	0.5	ug/l	UK DWS	2	< 1	< 1	< 1	< 1	6.7	7.04

Appendix G

G5 Perched Groundwater Screening

Assessment Senario Water Abstraction

				Summary						
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**						19507816
Client Sample No					BWS212	BWS212	BWS217	BWS217	WS224	WS224
Client Sample ID										
Depth to Top					3.64	3.64	3.17	2.97	4.37	4.3
Depth to Bottom					4.45	4.46	4.95	4.95	4.91	4.93
Date Sampled					10/09/2018	08/10/2018	14/01/2019	07/02/2019	06/02/2019	07/03/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1	< 1	7.15	12.8
MTBE	15	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
1,1 -Dichloroethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Trichloromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	1	ug/l	UK DWS	7	< 1	1.36	< 1	< 1	11	11.4
Tetrachloromethane	3	ug/l	UK DWS	0						< 1
1,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	74	ug/l	FEQS	2	< 1	< 1	< 1	< 1	401	541
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	100	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	0.4	ug/l	FEQS	1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	20	ug/l	FEQS	3	< 1	< 1	< 1	< 1	415	364
m,p-Xylenes	30	ug/l	FEQS	6	8.6	7.14	< 1	< 1	2870	1950
Styrene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Tribromomethane	10	ug/l	Default	0						
o-Xylene	30	ug/l	FEQS	2	< 1	< 1	< 1	< 1	301	325
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1
Iso-propylbenzene	1	ug/l	UK DWS	3	< 1	< 1	< 1	< 1	16.7	12.1
Bromobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
Propylbenzene	1	ug/l	UK DWS	4	< 1	< 1	< 1	< 1	61.3	41.2
2-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
4-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	6	< 1	< 1	< 1	< 1	500	410
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	10	2.85	1.97	< 1	< 1	4490	3040
sec-Butylbenzene	1	ug/l	UK DWS	3	< 1	< 1	< 1	< 1	12.3	8.37
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene	74	ug/l	FEQS	0	2.11	2.03	< 1	< 1	11.1	9.24
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1	< 1	< 1	< 1	15.9	13.7
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	2.65
n-Butylbenzene	1	ug/l	UK DWS	1	< 1	< 1	< 1	< 1	45.9	< 1
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1

Appendix G

G5 Perched Groundwater Screening

Assessment Senario Water Abstraction

				Summary						
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**						19507816
Client Sample No					BWS212	BWS212	BWS217	BWS217	WS224	WS224
Client Sample ID										
Depth to Top					3.64	3.64	3.17	2.97	4.37	4.3
Depth to Bottom					4.45	4.46	4.95	4.95	4.91	4.93
Date Sampled					10/09/2018	08/10/2018	14/01/2019	07/02/2019	06/02/2019	07/03/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	100	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Dichloromethane	20	ug/l	FEQS	0	< 3	< 3	< 3	< 3	< 3	< 3
Carbon disulphide	10	ug/l	Default	0	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
SVOCs										
Phenol	7.7	ug/l	FEQS	0	< 5	< 50	< 2	< 4	< 10	< 100
2-Chlorophenol	50	ug/l	FEQS	0	< 5	< 50	< 2	< 4	< 10	< 100
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 5	< 50	< 2	< 4	< 10	< 100
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0						
2-Methylphenol	100	ug/l	FEQS	0	< 5	< 50	< 2	< 4	< 10	< 100
Hexachloroethane	40	ug/l	USEPA	0	< 5	< 50	< 2	< 4	< 10	< 100
Nitrobenzene	1	ug/l	UK DWS	0	< 5	< 50	< 2	< 4	< 10	< 100
4-Methylphenol	100	ug/l	FEQS	0	< 5	< 50	< 2	< 4	< 10	< 100
Isophorone	7000	ug/l	USEPA	0	< 5	< 50	< 2	< 4	< 10	< 100
2-Nitrophenol	7.7	ug/l	FEQS	0	< 5	< 50	< 2	< 4	< 10	< 100
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 5	< 50	< 2	< 4	22.4	< 100
Bis(2-chloroethoxy)methane	10	ug/l	Default	0	< 5	< 50	< 2	< 4	< 10	< 100
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 5	< 50	< 2	< 4	< 10	< 100
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 5	< 50	< 2	< 4	< 10	< 100
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 5	< 50	< 2	< 4	< 10	< 100
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 5	< 50	< 2	< 4	< 10	< 100
2-Methylnaphthalene	2	ug/l	FEQS	1	< 5	< 50	< 2	< 4	< 10	< 100
2-Chloronaphthalene	2	ug/l	FEQS	0	< 5	< 50	< 2	< 4	< 10	< 100
Dimethylphthalate	800	ug/l	FEQS	0	< 5	< 50	< 2	< 4	< 10	< 100
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 5	< 50	< 2	< 4	< 10	< 100
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 5	< 50	< 2	< 4	< 10	< 100
Dibenzofuran	2	ug/l	FEQS	0	< 5	< 50	< 2	< 4	< 10	< 100
Diethyl phthalate	200	ug/l	FEQS	0	< 5	< 50	< 2	< 4	< 10	< 100
Bromophenyl phenyl ether	10	ug/l	Default	0	< 5	< 50	< 2	< 4	< 10	< 100
Hexachlorobenzene	1	ug/l	USEPA	0	< 5	< 50	< 2	< 4	< 10	< 100
Phenanthrene	2	ug/l	FEQS	7	3.08	0.101	1.31	3.88		4270
Carbazole	2	ug/l	FEQS	1	< 5	< 50	< 2	< 4	< 10	< 100
Di-n-butyl phthalate	8	ug/l	FEQS	3	< 5	< 50	< 2	< 4	< 10	< 100
Butyl benzyl phthalate	7.5	ug/l	FEQS	4	< 5	< 50	< 2	< 4	47.5	< 100
PCBs by GC-ECD - WHO 12										
PCB Congener 77	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 81	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 105	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 114	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 118	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 123	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 126	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 156	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 157	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 167	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 169	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCB Congener 189	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015		< 0.015
PCBs	25	ug/l	FEQS	0						
Environmental Forensics										

Appendix G

G5 Perched Groundwater Screening

Assessment Senario Water Abstraction

				Summary						
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**						19507816
Client Sample No					BWS212	BWS212	BWS217	BWS217	WS224	WS224
Client Sample ID										
Depth to Top					3.64	3.64	3.17	2.97	4.37	4.3
Depth to Bottom					4.45	4.46	4.95	4.95	4.91	4.93
Date Sampled					10/09/2018	08/10/2018	14/01/2019	07/02/2019	06/02/2019	07/03/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
PFOS	0.3	ug/l	DWS	2	0.0297	0.0293	0.0615	0.0543	0.115	1.73
PFOS	0.3	ug/l	DWS	0						
PFOA	0.3	ug/l	DWS	0	0.00756	0.00939	0.0213	0.0136	0.014	0.0199
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.1	< 0.01	< 0.01	< 0.01	< 0.1	< 0.1
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.5	< 0.05	< 0.05	< 0.05	< 0.5	< 0.5
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.02	< 0.02	< 0.2	< 0.2
Phenmedipham	0.1	ug/l	UK DWS	0						
Propham	0.1	ug/l	UK DWS	0	< 0.5	< 0.05	< 0.05	< 0.05	< 0.5	< 0.5
Dimefuron	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.02	< 0.02	< 0.2	< 0.2
Metoxuron	0.1	ug/l	UK DWS	0	< 0.1	< 0.01	< 0.01	< 0.01	< 0.1	< 0.1
Pencycuron	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.02	< 0.02	< 0.2	< 0.2
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Demeton-s-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Diclofop	0.1	ug/l	UK DWS	0	< 0.02	< 1	< 0.02	< 0.02	< 0.02	< 0.2
Fenvalerate	0.1	ug/l	UK DWS	0						
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Atrazine-methoxy	0.1	ug/l	UK DWS	0						< 0.01
Bromacil	0.1	ug/l	UK DWS	0	< 0.1	< 0.01	< 0.01	< 0.01	< 0.1	< 0.1
4-Nitrophenol	7.7	ug/l	FEQS	0	< 5	< 50	< 2	< 4	< 10	< 100
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 5	< 50	< 2	< 4	< 10	< 100
Perylene	2	ug/l	FEQS	0						
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 5	< 50	< 2	< 4	< 10	< 100
Carbamates										
Pirimicarb	100	ng/l	UK DWS	0	< 100	< 10	< 10	< 10	< 100	< 0.1
Carbetamide	100	ng/l	UK DWS	0	< 100	< 100	< 100	< 100	< 100	< 0.1
Phthalates										
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	2	< 10	< 100	< 4	< 8	< 20	< 200
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 25	< 250	< 10	< 20	< 50	< 500
Glycols										
Rodenticides										
Triazine Pesticides										
Atrazine	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Simazine	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Prometryn	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1
Propazine	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1
Terbutryn	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1
Acid herbicides esters										
Acid Herbicides										
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 5	< 100	< 1	< 1	< 1	< 10
Benazolin	0.1	ug/l	UK DWS	0	< 0.05	< 2.5	< 0.05	< 0.05	< 0.05	< 0.5
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 0.1
Clopyralid	0.1	ug/l	UK DWS	0	< 0.3	< 1.5	< 0.03	< 0.03	< 0.03	< 0.3
Ioxynil	0.1	ug/l	UK DWS	0	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 0.1
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.01	< 0.5	< 0.01	< 0.01	0.016	< 0.1
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.01	< 0.5	< 0.1	< 0.1	< 0.1	< 0.1
2,4-D	0.1	ug/l	UK DWS	0	< 0.01	< 0.5	< 0.01	< 0.01	0.064	< 0.1
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02	< 1	< 0.02	< 0.02	< 0.02	< 0.2
Dicamba	0.1	ug/l	UK DWS	0	< 0.03	< 1.5	< 0.03	< 0.03	< 0.03	< 0.3
Dichlorprop	0.1	ug/l	UK DWS	3	< 0.01	< 0.5	< 0.01	< 0.01	0.363	0.219
MCPA	0.1	ug/l	UK DWS	0	< 0.01	< 0.5	< 0.01	< 0.01	0.037	< 0.1
MCPB	0.1	ug/l	UK DWS	0	< 0.02	< 1	< 0.02	< 0.02	< 0.2	< 0.2

Appendix G

G5 Perched Groundwater Screening

Assessment Senario Water Abstraction

				Summary						
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**						19507816
Client Sample No					BWS212	BWS212	BWS217	BWS217	WS224	WS224
Client Sample ID										
Depth to Top					3.64	3.64	3.17	2.97	4.37	4.3
Depth to Bottom					4.45	4.46	4.95	4.95	4.91	4.93
Date Sampled					10/09/2018	08/10/2018	14/01/2019	07/02/2019	06/02/2019	07/03/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Mecoprop	0.1	ug/l	UK DWS	6	0.045	< 0.5	0.094	0.032	0.254	0.132
Picloram	0.1	ug/l	UK DWS	0	< 0.2	< 1	< 0.2	< 0.02	< 0.02	< 0.2
Organochlorine Pesticides										
Aldrin	0.03	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Dieldrin	0.03	ug/l	UK DWS	1	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Endosulfan	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Endosulfan	0.1	ug/l	UK DWS	0	< 0.4	< 0.04	< 0.02	< 0.02	< 0.02	< 0.4
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.4	< 0.04	< 0.02	< 0.02	< 0.02	< 0.4
Endrin	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Heptachlor	0.03	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Isodrin	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
DDT	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	1	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
DDT	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	1	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Trifluralin	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Organonitrogen pesticides										
Bentazone	0.1	ug/l	UK DWS	0	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 0.1
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02	< 1	< 0.02	< 0.02	0.034	< 0.2
Triclorpyr	0.1	ug/l	UK DWS	0	< 0.03	< 1.5	< 0.03	< 0.03	0.089	< 0.3
Organophosphorous pesticides										
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.2
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenylurea herbicides										
Isoproturon	100	ng/l	UK DWS	0	< 100	< 10	< 10	< 10	< 100	< 0.1
Chlortoluron	100	ng/l	UK DWS	0	< 100	< 10	< 10	< 10	< 100	< 0.1
Diflubenzuron	100	ng/l	UK DWS	0	< 200	< 20	< 20	< 20	< 200	< 0.2
Diuron	100	ng/l	UK DWS	1	< 100	15	130	86	< 100	<100
Linuron	100	ng/l	UK DWS	0	< 200	< 20	< 20	< 20	< 200	< 0.2
Methabenzthiazuron	100	ng/l	UK DWS	0	< 100	< 10	< 10	< 10	< 100	< 0.1

Appendix G

G5 Perched Groundwater Screening

Assessment Senario Water Abstraction

				Summary						
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**						19507816
Client Sample No					BWS212	BWS212	BWS217	BWS217	WS224	WS224
Client Sample ID										
Depth to Top					3.64	3.64	3.17	2.97	4.37	4.3
Depth to Bottom					4.45	4.46	4.95	4.95	4.91	4.93
Date Sampled					10/09/2018	08/10/2018	14/01/2019	07/02/2019	06/02/2019	07/03/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Monolinuron	100	ng/l	UK DWS	0	< 200	< 20	< 20	< 20	< 200	< 0.2
Monuron	100	ng/l	UK DWS	3	205	225	86	54	< 200	<200
VFAs										
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 11	< 11	< 11	< 11	< 11	< 11
Pyrethroids										
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Cypermethrin	100	ng/l	UK DWS	0	< 50	< 50	< 50	< 50	< 50	< 0.05
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Permethrin	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Permethrin	0.1	ug/l	UK DWS	0	< 0.2	< 0.02	< 0.01	< 0.01	< 0.01	< 0.2
Organotins										
Tributyltin compounds	0.2	ng/l	FEQS	5	4.52	5.49	< 1	32.4		355
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 1	< 1	< 1	< 6		< 6
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	2	< 5	< 5	< 5	< 30		240
Chlorophenols										
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.005	< 0.05	< 0.002	< 0.004	< 0.01	< 100
Others										
Bromoform	0.1	mg/l	WHO	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 1
Carbon Tetrachloride	0.003	mg/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	
Lambda-cyhalothrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Methane	N/A	ug/l	-	0	20900	22100	173	1.07	17900	15500

Appendix G

G6 Lea Catchment Screening

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID																	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	BH101D	BH101D	BH101D	BH101D	BH101D	BH102	BH102	BH102	BH102	BH105	BH105	BH105	Concept-BH02
Client Sample ID					25.15		13.10	13.05	14		5.70	5.65	5.63			39.62	
Depth to Top																	
Depth to Bottom																	
Date Sampled					19-Jan-17	01-Feb-17	08-Feb-17	15-Feb-17	06-Mar-17	01-Feb-17	08-Feb-17	15-Feb-17	06-Mar-17	08-Feb-17	15-Feb-17	06-Mar-17	4-May-17
Sample Type					Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-		7.56	7.71	7.44	6.97	7.5	8.11	7.7	7.53	7.95	6.9	7.05	7.49	7.19
Total Cyanide	50	ug/l	UK DWS	0	10	17	14	20	< 5	5	5	5	< 5	9	12	< 5	5
Complex Cyanides	50	ug/l	UK DWS	0													
Free Cyanide	50	ug/l	UK DWS	0													
Sulphate as SO4	250000	ug/l	UK DWS	0	130000	110000	173000	116000	80000	25000	29000	26000	31000	86000	91000	87000	23000
Sulphide	250000	ug/l	UK DWS	0	< 100	< 100	1300	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Chloride	250	mg/l	UK DWS	0	96.8	106	116	110.06	71.1	110	111	122.86	106.72	73.93	68.88	67.47	14.66
Fluoride	1500	ug/l	UK DWS	0			100	100	< 100		100	100	140	110	100	130	
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	0	130	130	300	40	20	100	120	20	60	20	20	< 20	20
Ammonium	0.5	mg/l	UK DWS	0													
Nitrate as N	11.3	mg/l	UK DWS	0													
Nitrate as NO3	50	mg/l	UK DWS	3	10.68	16.55	2.76	7.24	29.92	8.74	8.25	12.79	14.69	96.85	69.01	82.78	4.93
Nitrite as NO2	500	ug/l	UK DWS	4	100	1280	230	980	1490	100	100	100	< 100	100	100	520	100
Alkalinity	N/A	mg/l	-	0	351	330	350	360	286	162	218	178	198	343	355	333	234
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	21	11	50	31	<6	6	26	14	66	6	25	16	6
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	23	5	5	1	3		1	1	4	1	1	<1	1
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	3			0.7	1.9	7.2		1.9	2.9	3.3	21.9	15.6	18.8	
Total Suspended Solids	N/A	mg/l	-	0			10	10	23		17	10	<10	1619	10	<10	
Hardness - Total	N/A	mg/l	-	0	501	475	511	480	397	196	234	234	244	535	487	469	279
Phenols																	
Catechol	7.7	ug/l	FEQS	0													
Resorcinol	7.7	ug/l	FEQS	0							< 10	< 10	< 10				< 10
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0													
Cresols	100	ug/l	FEQS	0							< 10	< 10	< 10				< 10
Naphthols	7.7	ug/l	FEQS	0													
Isopropylphenol	7.7	ug/l	FEQS	0													
Phenol	7.7	ug/l	FEQS	0							< 10	< 10	< 10				< 10
Trimethylphenol	100	ug/l	FEQS	0													
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	< 0.01	< 0.01	0.03	0.05	< 0.01	< 0.01	< 0.01	0.15	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	0.013	< 0.01	0.37	0.18	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01
Acenaphthene	2000	ug/l	USEPA	0	0.38	0.04	0.92	0.41	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	2	ug/l	FEQS	0	0.03	< 0.01	0.08	0.07	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	0.16	0.14	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01
Anthracene	0.1	ug/l	FEQS	0	< 0.01	< 0.01	0.08	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	0.0063	ug/l	FEQS	3	< 0.01	< 0.01	0.05	0.04	< 0.01	0.23	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	2	ug/l	FEQS	0	< 0.01	< 0.01	0.08	0.07	0.03	0.27	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.11	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.16	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.3	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.07	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.24	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.23	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heavy metals and metalloids																	
Antimony	5	ug/l	UK DWS	4	< 1	< 1	< 1	< 1	< 1	15	10	12	11	< 1	< 1	< 1	< 1
Arsenic	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Barium	700	ug/l	WHO	0													
Beryllium	4	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Appendix G

G6 Lea Catchment Screening

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID																	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	BH101D	BH101D	BH101D	BH101D	BH101D	BH102	BH102	BH102	BH102	BH105	BH105	BH105	Concept-BH02
Client Sample ID					25.15		13.10	13.05	14		5.70	5.65	5.63			39.62	
Depth to Top																	
Depth to Bottom																	
Date Sampled					19-Jan-17	01-Feb-17	08-Feb-17	15-Feb-17	06-Mar-17	01-Feb-17	08-Feb-17	15-Feb-17	06-Mar-17	08-Feb-17	15-Feb-17	06-Mar-17	4-May-17
Sample Type					Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	
Boron	1000	ug/l	UK DWS	0													
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Calcium	N/A	mg/l	-	0	192	182	195	183	153	71	90	88	94	208	189	182	107
Chromium VI	3.4	ug/l	FEQS	0													
Chromium III	4.7	ug/l	FEQS	0													
Chromium Total	50	ug/l	UK DWS	0	10	24	11	9	7	9	13	19	11	35	26	28	< 1
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	<1	<1	<1	<1	<1	5	2	2	2	<1	<1	<1	<1
Iron	0.2	mg/l	UK DWS	2	0.137	0.171	0.352	0.134	0.061	< 0.01	< 0.01	< 0.01	< 0.01	0.012	< 0.01	< 0.01	< 0.01
Lead	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Magnesium	N/A	mg/l	-	0	5.4	5.2	5.6	5.5	3.8	4.7	2.3	3.3	2.3	3.8	3.5	3.5	2.8
Manganese (bioavailable)	50	ug/l	UK DWS	5	117	76	194	144	33	< 1	8	< 1	3	4	2	< 1	< 1
Mercury	1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Molybdenum	70	ug/l	WHO	0													
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	3	10	7	7	7	3	1	2	2	2	41	44	42	< 0.1
Potassium	N/A	mg/l	-	0	5	5	6	4	2	3	2	2	< 1	6	6	3	1
Selenium	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50	mg/l	WHO	11	71	69	83	72	38	75	76	78	74	62	56	53	7
Vanadium	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	18	5	< 1	< 1	2	3	3	< 1	2	4	3	2	2
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	30	ug/l	FEQS	0													
MTBE	15	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0	< 5	< 5	200	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TPH >C12-C16 Aliphatics	300	ug/l	WHO	2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TPH >C21-C35 Aliphatics	300	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	0													
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	-
C5-C35 Aliphatics	N/A	ug/l	-	0													
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH >C8-C9 Aromatics	300	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH >C9-C10 Aromatics	300	ug/l	WHO	0	< 1	< 1	3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 1	< 1	3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 5	< 5	32	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 5	< 5	64	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 5	< 5	57	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 5	< 5	44	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TPH >C35-C44 Aromatics	90	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
C5-C35 Aromatics	N/A	ug/l	-	0	< 5	< 5	200	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Appendix G

G6 Lea Catchment Screening

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID																	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	BH101D	BH101D	BH101D	BH101D	BH101D	BH102	BH102	BH102	BH102	BH105	BH105	BH105	Concept-BH02
Client Sample ID					25.15		13.10	13.05	14		5.70	5.65	5.63			39.62	
Depth to Top																	
Depth to Bottom																	
Date Sampled					19-Jan-17	01-Feb-17	08-Feb-17	15-Feb-17	06-Mar-17	01-Feb-17	08-Feb-17	15-Feb-17	06-Mar-17	08-Feb-17	15-Feb-17	06-Mar-17	4-May-17
Sample Type					Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0													
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	4	5	6	< 1
MTBE	15	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1 -Dichloroethane	3	ug/l	UK DWS	3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	7	6	7	< 1
2,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	4	3	3	< 1
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloromethane	3	ug/l	UK DWS	1	< 1	< 1	< 1	< 1	4	< 1	< 1	< 1	2	< 1	< 1	2	< 1
1,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	1	< 1	< 1	< 1	< 1	3	2	2	< 1
Dibromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	100	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	100	ug/l	WHO	0	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Tetrachloroethene	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	4	< 1	< 1	< 1
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	30	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tribromomethane	10	ug/l	Default	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	30	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Propylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
tert-Butylbenzene	1	ug/l	UK DWS	0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3

Appendix G

G6 Lea Catchment Screening

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID																	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	BH101D	BH101D	BH101D	BH101D	BH101D	BH102	BH102	BH102	BH102	BH105	BH105	BH105	Concept-BH02
Client Sample ID					25.15		13.10	13.05	14		5.70	5.65	5.63			39.62	
Depth to Top																	
Depth to Bottom																	
Date Sampled					19-Jan-17	01-Feb-17	08-Feb-17	15-Feb-17	06-Mar-17	01-Feb-17	08-Feb-17	15-Feb-17	06-Mar-17	08-Feb-17	15-Feb-17	06-Mar-17	4-May-17
Sample Type					Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	100	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichloromethane	20	ug/l	FEQS	0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon disulphide	10	ug/l	Default	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
2-Chlorophenol	50	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
2-Methylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
Hexachloroethane	40	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
Nitrobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
4-Methylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
Isophorone	7000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
2-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
Bis(2-chloroethoxy)methane	10	ug/l	Default	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
2-Methylnaphthalene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
2-Chloronaphthalene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
Dimethylphthalate	800	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
Dibenzofuran	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
Diethyl phthalate	200	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
Bromophenyl phenyl ether	10	ug/l	Default	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
Hexachlorobenzene	1	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
Carbazole	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<2
PCBs by GC-ECD - WHO 12																	
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0													
4-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2
Perylene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2
Carbamates																	
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2
Glycols																	
Rodenticides																	
Triazine Pesticides																	
Atrazine	0.1	ug/l	UK DWS	0													
Simazine	0.1	ug/l	UK DWS	0													
Prometryn	0.1	ug/l	UK DWS	0													
Propazine	0.1	ug/l	UK DWS	0													

Appendix G

G6 Lea Catchment Screening

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID																	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	BH101D	BH101D	BH101D	BH101D	BH101D	BH102	BH102	BH102	BH102	BH105	BH105	BH105	Concept-BH02
Client Sample ID					25.15		13.10	13.05	14		5.70	5.65	5.63			39.62	
Depth to Top																	
Depth to Bottom																	
Date Sampled					19-Jan-17	01-Feb-17	08-Feb-17	15-Feb-17	06-Mar-17	01-Feb-17	08-Feb-17	15-Feb-17	06-Mar-17	08-Feb-17	15-Feb-17	06-Mar-17	4-May-17
Sample Type					Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	
Terbuthylazine	0.1	ug/l	UK DWS	0													
Terbutryn	0.1	ug/l	UK DWS	0													
Acid herbicides esters																	
Acid Herbicides																	
2,4,5-T	0.1	ug/l	UK DWS	0													
2,4,5-TP	0.1	ug/l	UK DWS	0													
2,4-D	0.1	ug/l	UK DWS	0													
2,4-DB	0.1	ug/l	UK DWS	0													
Dicamba	0.1	ug/l	UK DWS	0													
Dichlorprop	0.1	ug/l	UK DWS	0													
MCPA	0.1	ug/l	UK DWS	0													
MCPB	0.1	ug/l	UK DWS	0													
Mecoprop	0.1	ug/l	UK DWS	0													
Picloram	0.1	ug/l	UK DWS	0													
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0													
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0													
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0													
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0													
Dieldrin	0.03	ug/l	UK DWS	0													
Endosulfan	0.1	ug/l	UK DWS	0													
Endosulfan	0.1	ug/l	UK DWS	0													
Endrin	0.1	ug/l	UK DWS	0													
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0													
Heptachlor	0.03	ug/l	UK DWS	0													
Heptachlor Epoxide	0.03	ug/l	UK DWS	0													
Isodrin	0.1	ug/l	UK DWS	0													
Methoxychlor	0.1	ug/l	UK DWS	0													
o,p-DDE	0.1	ug/l	UK DWS	0													
DDT	0.1	ug/l	UK DWS	0													
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0													
p,p-DDE	0.1	ug/l	UK DWS	0													
DDT	0.1	ug/l	UK DWS	0													
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0													
Trifluralin	0.1	ug/l	UK DWS	0													
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	0													
Organophosphorous pesticides																	
Azinphos-methyl	0.1	ug/l	UK DWS	0													
Chlorfenvinphos I	0.1	ug/l	UK DWS	0													
Chlorfenvinphos II	0.1	ug/l	UK DWS	0													
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0													
Diazinon	0.1	ug/l	UK DWS	0													
Dichlorvos	0.1	ug/l	UK DWS	0													
Dimethoate	0.1	ug/l	UK DWS	0													
E-mevinphos	0.1	ug/l	UK DWS	0													
Fenitrothion	0.1	ug/l	UK DWS	0													
Fenthion	0.1	ug/l	UK DWS	0													
Malathion	0.1	ug/l	UK DWS	0													
Parathion-ethyl	0.1	ug/l	UK DWS	0													
Parathion-methyl	0.1	ug/l	UK DWS	0													
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0													

Appendix G

G6 Lea Catchment Screening

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**													
Client Sample No					BH101D	BH101D	BH101D	BH101D	BH101D	BH102	BH102	BH102	BH102	BH105	BH105	BH105	Concept-BH02
Client Sample ID					25.15		13.10	13.05	14		5.70	5.65	5.63			39.62	
Depth to Top																	
Depth to Bottom																	
Date Sampled					19-Jan-17	01-Feb-17	08-Feb-17	15-Feb-17	06-Mar-17	01-Feb-17	08-Feb-17	15-Feb-17	06-Mar-17	08-Feb-17	15-Feb-17	06-Mar-17	4-May-17
Sample Type					Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	
Chlortoluron	100	ng/l	UK DWS	0													
VFAs																	
Pyrethroids																	
Organotins																	
Chlorophenols																	
Pentachlorophenol	0.0004	mg/l	FEQS	1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
Others																	
Chlordane	0.0001	mg/l	UK DWS	0													
Cyanazine	0.0006	mg/l	WHO	0													

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G6 Lea Catchment Screening

Assessment Senario Water Abstraction

				Summary								
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**								
Client Sample No					BH02	BH09	BH10	BH02	BH09	BH10	BH02	BH10
Client Sample ID												
Depth to Top												
Depth to Bottom												
Date Sampled					10/12/2014	09/12/2014	09/12/2014	16/02/2015	16/02/2015	16/02/2015	17/03/2015	17/03/2015
Sample Type												
Inorganics												
Organics												
General inorganics												
pH	N/A	pH units	-		7.6	7.6	7.5	7.6	7.7	7.7	7.6	7.7
Total Cyanide	50	ug/l	UK DWS	0	<10	<10	<10	<10	<10	<10	<10	<10
Complex Cyanides	50	ug/l	UK DWS	0	<10	<10	<10	<10	<10	<10	<10	<10
Free Cyanide	50	ug/l	UK DWS	0	<10	<10	<10	<10	<10	<10	<10	<10
Sulphate as SO4	250000	ug/l	UK DWS	0	27700	13100	30600	26600	31100	30400	24800	24000
Sulphide	250000	ug/l	UK DWS	0	<5	<5	<5	<5	<5	<5	<5	<5
Chloride	250	mg/l	UK DWS	0	15	13	27	12	14	14	12	12
Fluoride	1500	ug/l	UK DWS	0	200	150	190	150	140	140	160	120
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	0	<15	<15	23	<15	24	<15	<15	44
Ammonium	0.5	mg/l	UK DWS	0	<0.015	<0.015	0.03	<0.015	0.031	<0.015	<0.015	0.056
Nitrate as N	11.3	mg/l	UK DWS	0				2.9	1.1	1.3	2.6	1.5
Nitrate as NO3	50	mg/l	UK DWS	3	3.2	3.3	<0.3	13	5.1	5.8		
Nitrite as NO2	500	ug/l	UK DWS	4								
Alkalinity	N/A	mg/l	-	0								
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	<2.0	<2.0	160	39	530	980	2.4	9
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	1.6	1.1	34	<1.0	5.2	7.6	5.3	1.4
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	3								
Total Suspended Solids	N/A	mg/l	-	0								
Hardness - Total	N/A	mg/l	-	0								
Phenols												
Catechol	7.7	ug/l	FEQS	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Resorcinol	7.7	ug/l	FEQS	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cresols	100	ug/l	FEQS	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthols	7.7	ug/l	FEQS	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isopropylphenol	7.7	ug/l	FEQS	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Phenol	7.7	ug/l	FEQS	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trimethylphenol	100	ug/l	FEQS	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Speciated PAHs												
Naphthalene	2	ug/l	FEQS	0	<0.01	<0.01	<0.01					
Acenaphthylene	2	ug/l	FEQS	0	<0.01	<0.01	<0.01					
Acenaphthene	2000	ug/l	USEPA	0	<0.01	<0.01	<0.01					
Fluorene	2	ug/l	FEQS	0	<0.01	<0.01	<0.01					
Phenanthrene	2	ug/l	FEQS	0	<0.01	<0.01	<0.01					
Anthracene	0.1	ug/l	FEQS	0	<0.01	<0.01	<0.01					
Fluoranthene	0.0063	ug/l	FEQS	3	<0.01	<0.01	<0.01					
Pyrene	2	ug/l	FEQS	0	<0.01	<0.01	<0.01					
Benzo(a)anthracene	2	ug/l	FEQS	0	<0.01	<0.01	<0.01					
Chrysene	2	ug/l	FEQS	0	<0.01	<0.01	<0.01					
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	1	<0.01	<0.01	<0.01					
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	<0.01	<0.01	<0.01					
Benzo(a)pyrene	0.01	ug/l	UK DWS	1	<0.01	<0.01	<0.01					
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	1	<0.01	<0.01	<0.01					
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	<0.01	<0.01	<0.01					
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	1	<0.01	<0.01	<0.01					
Heavy metals and metalloids												
Antimony	5	ug/l	UK DWS	4	1.2	1	0.7	0.9	1.2	0.8	1.2	0.8
Arsenic	10	ug/l	UK DWS	0	0.25	0.7	2.52	0.16	0.47	0.7	<0.15	<0.15
Barium	700	ug/l	WHO	0	63	35	100	39	59	57	39	50
Beryllium	4	ug/l	USEPA	0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Appendix G

G6 Lea Catchment Screening

Assessment Senario Water Abstraction

				Summary								
Lab Sample ID												
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	BH02	BH09	BH10	BH02	BH09	BH10	BH02	BH10
Client Sample ID												
Depth to Top												
Depth to Bottom												
Date Sampled					10/12/2014	09/12/2014	09/12/2014	16/02/2015	16/02/2015	16/02/2015	17/03/2015	17/03/2015
Sample Type												
Boron	1000	ug/l	UK DWS	0	93	87	100	14	20	15	<10	<10
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	<0.02	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Calcium	N/A	mg/l	-	0	130	109	133	117	115	114	113	98.7
Chromium VI	3.4	ug/l	FEQS	0	<5.0	<5.0	<5.0	<5.30	<5.0	<5.0	<5.0	<5.0
Chromium III	4.7	ug/l	FEQS	0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chromium Total	50	ug/l	UK DWS	0	0.3	0.3	0.5	0.6	0.3	<0.2	0.7	0.3
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	15	16	9.1	11	17	12	12	12
Iron	0.2	mg/l	UK DWS	2	0.005	0.006	1.9	0.028	0.036	0.028	0.023	0.018
Lead	10	ug/l	UK DWS	0	<0.2	<0.2	1.1	<0.2	0.2	<0.2	<0.2	<0.2
Magnesium	N/A	mg/l	-	0	7	2.2	8.7	3.1	5	4.5	3	3.3
Manganese (bioavailable)	50	ug/l	UK DWS	5	1	0.4	300	0.81	29	27	1.4	6.9
Mercury	1	ug/l	UK DWS	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07	<0.01
Molybdenum	70	ug/l	WHO	0	0.3	0.08	1.1	<0.05	0.35	0.26	0.13	0.31
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	3	2.6	2.3	5.4	1	3.2	2.2	1	1.6
Potassium	N/A	mg/l	-	0								
Selenium	10	ug/l	UK DWS	0	5.1	<0.6	2.1	1.9	1.5	1.4	1.1	0.8
Sodium	50	mg/l	WHO	11								
Vanadium	20	ug/l	FEQS	0	0.8	0.4	<0.2	0.5	0.2	0.4	0.7	0.4
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	2.2	4.3	5.6	2	6.1	3.5	3	4.7
Monoaromatics												
Benzene	1	ug/l	UK DWS	0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	74	ug/l	FEQS	0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	20	ug/l	FEQS	0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes	30	ug/l	FEQS	0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MTBE	15	ug/l	WHO	0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Petroleum hydrocarbons												
TPH	N/A	ug/l	-	0								
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 10	< 10	90	< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aliphatics	300	ug/l	WHO	2	< 10	< 10	9600	< 10	190	580	< 10	< 10
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 10	< 10	40	< 10	< 10	< 10	< 10	< 10
TPH >C21-C35 Aliphatics	300	ug/l	WHO	0	< 10	< 10	70	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	0								
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0								
C5-C35 Aliphatics	N/A	ug/l	-	0	< 10	< 10	9800	< 10	190	580	< 10	< 10
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0								
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C8-C9 Aromatics	300	ug/l	WHO	0								
TPH >C9-C10 Aromatics	300	ug/l	WHO	0								
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C35-C44 Aromatics	90	ug/l	WHO	0								
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs												
Chloromethane	20	ug/l	FEQS	0	< 1	< 1	< 1					
Chloroethane	3	ug/l	UK DWS	0	< 1	< 1	< 1					
Bromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1					

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G6 Lea Catchment Screening

Assessment Senario Water Abstraction

				Summary								
Lab Sample ID												
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	BH02	BH09	BH10	BH02	BH09	BH10	BH02	BH10
Client Sample ID												
Depth to Top												
Depth to Bottom												
Date Sampled					10/12/2014	09/12/2014	09/12/2014	16/02/2015	16/02/2015	16/02/2015	17/03/2015	17/03/2015
Sample Type												
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1	< 1	< 1					
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1					
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1	< 1	< 1					
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0	< 1	< 1	< 1					
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1					
MTBE	15	ug/l	WHO	0	< 1	< 1	< 1					
1,1 -Dichloroethane	3	ug/l	UK DWS	3	< 1	< 1	< 1					
2,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1					
Trichloromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1					
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1	< 1	< 1					
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 1	< 1	< 1					
1,1-Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1					
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1					
Benzene	1	ug/l	UK DWS	0	< 1	< 1	< 1					
Tetrachloromethane	3	ug/l	UK DWS	1	< 1	< 1	< 1					
1,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1					
Trichloroethene	10	ug/l	UK DWS	0	< 1	< 1	< 1					
Dibromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1					
Bromodichloromethane	100	ug/l	UK DWS	0	< 1	< 1	< 1					
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1					
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1					
Toluene	74	ug/l	FEQS	0	< 1	< 1	< 1					
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1	< 1	< 1					
1,3-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1					
Dibromochloromethane	100	ug/l	WHO	0	< 1	< 1	< 1					
Tetrachloroethene	10	ug/l	UK DWS	0	< 1	< 1	< 1					
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1	< 1	< 1					
Chlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1	< 1					
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1					
Ethylbenzene	20	ug/l	FEQS	0	< 1	< 1	< 1					
m,p-Xylenes	30	ug/l	FEQS	0	< 1	< 1	< 1					
Styrene	20	ug/l	WHO	0	< 1	< 1	< 1					
Tribromomethane	10	ug/l	Default	0	< 1	< 1	< 1					
o-Xylene	30	ug/l	FEQS	0	< 1	< 1	< 1					
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1					
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1					
Bromobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1					
Propylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1					
2-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1					
4-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1					
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1					
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1					
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1					
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1					
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1	< 1	< 1					
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1	< 1	< 1					
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1	< 1	< 1					
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1	< 1	< 1					
n-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1					
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1	< 1	< 1					
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1	< 1	< 1					
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1	< 1	< 1					
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1	< 1					

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G6 Lea Catchment Screening

Assessment Senario Water Abstraction

				Summary								
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**								
Client Sample No					BH02	BH09	BH10	BH02	BH09	BH10	BH02	BH10
Client Sample ID												
Depth to Top												
Depth to Bottom												
Date Sampled					10/12/2014	09/12/2014	09/12/2014	16/02/2015	16/02/2015	16/02/2015	17/03/2015	17/03/2015
Sample Type												
1,2,3-Trichloropropane	40	ug/l	WHO	0								
Bromochloromethane	100	ug/l	WHO	0								
Dichloromethane	20	ug/l	FEQS	0								
Carbon disulphide	10	ug/l	Default	0								
Dichlorodifluoromethane	20	ug/l	FEQS	0								
SVOCs												
Phenol	7.7	ug/l	FEQS	0								
2-Chlorophenol	50	ug/l	FEQS	0								
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0								
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0								
2-Methylphenol	100	ug/l	FEQS	0								
Hexachloroethane	40	ug/l	USEPA	0								
Nitrobenzene	1	ug/l	UK DWS	0								
4-Methylphenol	100	ug/l	FEQS	0								
Isophorone	7000	ug/l	USEPA	0								
2-Nitrophenol	7.7	ug/l	FEQS	0								
2,4-Dimethylphenol	100	ug/l	FEQS	0								
Bis(2-chloroethoxy)methane	10	ug/l	Default	0								
2,4-Dichlorophenol	4.2	ug/l	FEQS	0								
4-Chloro-3-methylphenol	40	ug/l	FEQS	0								
2,4,6-trichlorophenol	200	ug/l	WHO	0								
2,4,5-Trichlorophenol	200	ug/l	WHO	0								
2-Methylnaphthalene	2	ug/l	FEQS	0								
2-Chloronaphthalene	2	ug/l	FEQS	0								
Dimethylphthalate	800	ug/l	FEQS	0								
2,6-Dinitrotoluene	100	ug/l	USEPA	0								
2,4-Dinitrotoluene	100	ug/l	USEPA	0								
Dibenzofuran	2	ug/l	FEQS	0								
Diethyl phthalate	200	ug/l	FEQS	0								
Bromophenyl phenyl ether	10	ug/l	Default	0								
Hexachlorobenzene	1	ug/l	USEPA	0								
Carbazole	2	ug/l	FEQS	0								
Di-n-butyl phthalate	8	ug/l	FEQS	0								
Butyl benzyl phthalate	7.5	ug/l	FEQS	0								
PCBs by GC-ECD - WHO 12												
Environmental Forensics												
PFOS	0.3	ug/l	DWS	0	0.01	0.01	0.01	<0.01	<0.01	-		
PFOA	0.3	ug/l	DWS	0	0.02	0.02	0.02	<0.05	<0.05	-		
4-Nitrophenol	7.7	ug/l	FEQS	0								
Hexachlorocyclopentadiene	50	ug/l	USEPA	0								
Perylene	2	ug/l	FEQS	0								
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0								
Carbamates												
Phthalates												
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	0								
Di-n-octyl phthalate	20	ug/l	FEQS	0								
Glycols												
Rodenticides												
Triazine Pesticides												
Atrazine	0.1	ug/l	UK DWS	0	<1.0	<1.0	<1.0					
Simazine	0.1	ug/l	UK DWS	0	<1.0	<1.0	<1.0					
Prometryn	0.1	ug/l	UK DWS	0	<1.0	<1.0	<1.0					
Propazine	0.1	ug/l	UK DWS	0	<1.0	<1.0	<1.0					

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G6 Lea Catchment Screening

Assessment Senario Water Abstraction

				Summary								
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**								
Client Sample No					BH02	BH09	BH10	BH02	BH09	BH10	BH02	BH10
Client Sample ID												
Depth to Top												
Depth to Bottom												
Date Sampled					10/12/2014	09/12/2014	09/12/2014	16/02/2015	16/02/2015	16/02/2015	17/03/2015	17/03/2015
Sample Type												
Terbuthylazine	0.1	ug/l	UK DWS	0	<1.0	<1.0	<1.0					
Terbutryn	0.1	ug/l	UK DWS	0	<1.0	<1.0	<1.0					
Acid herbicides esters												
Acid Herbicides												
2,4,5-T	0.1	ug/l	UK DWS	0	<1.0	<1.0	<1.0					
2,4,5-TP	0.1	ug/l	UK DWS	0	<1.0	<1.0	<1.0					
2,4-D	0.1	ug/l	UK DWS	0	<1.0	<1.0	<1.0					
2,4-DB	0.1	ug/l	UK DWS	0	<1.0	<1.0	<1.0					
Dicamba	0.1	ug/l	UK DWS	0	<1.0	<1.0	<1.0					
Dichlorprop	0.1	ug/l	UK DWS	0	<1.0	<1.0	<1.0					
MCPA	0.1	ug/l	UK DWS	0	<1.0	<1.0	<1.0					
MCPB	0.1	ug/l	UK DWS	0	<1.0	<1.0	<1.0					
Mecoprop	0.1	ug/l	UK DWS	0	<1.0	<1.0	<1.0					
Picloram	0.1	ug/l	UK DWS	0	<1.0	<1.0	<1.0					
Organochlorine Pesticides												
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
Isodrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
Trifluralin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01					
Organonitrogen pesticides												
Bentazone	0.1	ug/l	UK DWS	0	<1.0	<1.0	<1.0					
Organophosphorous pesticides												
Azinphos-methyl	0.1	ug/l	UK DWS	0	<0.01	<0.01	<0.01					
Chlorfenvinphos I	0.1	ug/l	UK DWS	0	<0.01	<0.01	<0.01					
Chlorfenvinphos II	0.1	ug/l	UK DWS	0	<0.01	<0.01	<0.01					
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0	<0.01	<0.01	<0.01					
Diazinon	0.1	ug/l	UK DWS	0	<0.01	<0.01	<0.01					
Dichlorvos	0.1	ug/l	UK DWS	0	<0.01	<0.01	<0.01					
Dimethoate	0.1	ug/l	UK DWS	0	<0.01	<0.01	<0.01					
E-mevinphos	0.1	ug/l	UK DWS	0	<0.01	<0.01	<0.01					
Fenitrothion	0.1	ug/l	UK DWS	0	<0.01	<0.01	<0.01					
Fenthion	0.1	ug/l	UK DWS	0	<0.01	<0.01	<0.01					
Malathion	0.1	ug/l	UK DWS	0	<0.01	<0.01	<0.01					
Parathion-ethyl	0.1	ug/l	UK DWS	0	<0.01	<0.01	<0.01					
Parathion-methyl	0.1	ug/l	UK DWS	0	<0.01	<0.01	<0.01					
Phenylurea herbicides												
Isoproturon	100	ng/l	UK DWS	0	<1000	<1000	<1000					

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G6 Lea Catchment Screening

Assessment Senario Water Abstraction

				Summary								
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**								
Client Sample No					BH02	BH09	BH10	BH02	BH09	BH10	BH02	BH10
Client Sample ID												
Depth to Top												
Depth to Bottom												
Date Sampled					10/12/2014	09/12/2014	09/12/2014	16/02/2015	16/02/2015	16/02/2015	17/03/2015	17/03/2015
Sample Type												
Chlortoluron	100	ng/l	UK DWS	0	<1000	<1000	<1000					
VFAs												
Pyrethroids												
Organotins												
Chlorophenols												
Pentachlorophenol	0.0004	mg/l	FEQS	1								
Others												
Chlordane	0.0001	mg/l	UK DWS	0	<10	<10	<10					
Cyanazine	0.0006	mg/l	WHO	0	<1	<1	<1					

Appendix G

G7 Mimram Catchment Screening

Assessment Senario: Water Abstraction

				Summary						
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**						
Client Sample No					GW201	GW201	GW201	GW202	GW202	GW202
Client Sample ID										
Depth to Top					32.11	32.45	40	not supplied	35.27	36.88
Depth to Bottom					54.8	50.37	40	not supplied	53.92	54.8
Date Sampled					05/10/2018	13/09/2018	07/08/2018	14/09/2018	15/08/2018	09/10/2018
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Inorganics										
Organics										
General inorganics										
pH	N/A	pH units	-		7.69	7.45	7.44	7.58	7.72	7.79
Total Cyanide	50	ug/l	UK DWS	0	< 50	< 50	< 50	< 50	< 50	< 50
Complex Cyanides	50	ug/l	UK DWS	0	< 50	< 50	< 50	< 50	< 50	< 50
Free Cyanide	50	ug/l	UK DWS	0	< 50	< 50	< 50	< 50	< 50	< 50
Thiocyanate as SCN	50	ug/l	UK DWS	0	< 50	< 50	< 50	< 50	< 50	< 50
Sulphate as SO4	250000	ug/l	UK DWS	0	11600	13900	25600	22000	33600	25100
Sulphide	250000	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	31.8
Chloride	250	mg/l	UK DWS	0	80.6	88.2	62.3	104	108	95.9
Fluoride	1500	ug/l	UK DWS	0	< 500	< 500	< 500	< 500	< 500	< 500
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	2	407	433	< 200	< 200	< 200	< 200
Nitrate as NO3	50	mg/l	UK DWS	0	4.24	3.39	5.23	< 0.3	< 0.3	< 0.3
Nitrite as NO2	500	ug/l	UK DWS	2	338	817	833	< 50	< 50	< 50
Alkalinity	N/A	mg/l	-	0	2300	2310	3650	535	300	2960
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	111	257	284	-	668	349
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	< 1	3.56	< 1	-	70	43.4
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	0	1.06	1.02	1.44	< 0.1	< 0.1	< 0.1
Total Suspended Solids	N/A	mg/l	-	0	7180	3590	5630	690	238	4580
Hardness - Total	N/A	mg/l	-	0	5150	3200	4710	1660	2070	3220
Bromide	N/A	mg/l	-	0	0.0721	0.0749	0.174	0.0885	0.081	0.0654
Bromate	0.01	mg/l	UK DWS	0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Phenols										
Cresols	100	ug/l	FEQS	0	< 6	< 6	< 6	< 6	< 6	< 6
Isopropylphenol	7.7	ug/l	FEQS	0	< 6	< 6	< 6	< 6	< 6	< 6
Phenol	7.7	ug/l	FEQS	0	< 2	< 2	< 2	< 2	< 2	< 2
Trimethylphenol	100	ug/l	FEQS	0	< 3	< 3	< 3	< 3	< 3	< 3
Speciated PAHs										
Naphthalene	2	ug/l	FEQS	0	< 0.01	< 0.01	0.0205	0.0113	0.0169	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Acenaphthene	2000	ug/l	USEPA	0	0.0226	0.0108	0.00883	< 0.005	< 0.005	0.023
Fluorene	2	ug/l	FEQS	0	0.0053	0.00858	0.00797	< 0.005	< 0.005	0.0137
Phenanthrene	2	ug/l	FEQS	0	0.0692	0.0902	0.0845	< 0.005	0.0191	0.0656
Anthracene	0.1	ug/l	FEQS	0	0.0208	0.031	0.0229	< 0.005	< 0.005	< 0.005
Fluoranthene	0.0063	ug/l	FEQS	5	0.383	0.477	0.409	0.0182	< 0.005	0.114
Pyrene	2	ug/l	FEQS	0	0.417	0.523	0.399	0.0145	< 0.005	0.121
Benzo(a)anthracene	2	ug/l	FEQS	0	0.151	0.177	0.167	< 0.005	< 0.005	0.0321
Chrysene	2	ug/l	FEQS	0	0.194	0.216	0.208	< 0.005	< 0.005	0.038
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	3	0.234	0.788	0.626	< 0.005	< 0.005	0.0482
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	3	0.126	0.317	0.272	< 0.005	< 0.005	0.0254
Benzo(a)pyrene	0.01	ug/l	UK DWS	4	0.195	0.57	0.473	< 0.002	< 0.002	0.0293
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	3	0.122	0.243	0.228	< 0.005	< 0.005	0.028
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	0.0226	0.0664	0.051	< 0.005	< 0.005	< 0.005
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	3	0.198	0.378	0.341	< 0.005	< 0.005	0.029
Heavy metals and metalloids										
Antimony	5	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
Arsenic	10	ug/l	UK DWS	0	0.726	0.969	0.586	4.09	1.76	6.68
Barium	700	ug/l	WHO	0	83.1	89.7	85.4	61	75.3	60
Beryllium	4	ug/l	USEPA	0	< 0.1	< 0.1	< 0.1	< 0.1	0.326	< 0.1
Boron	1000	ug/l	UK DWS	0	22.7	10.9	39.1	38.2	36.2	40
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Calcium	N/A	mg/l	-	0	107	106	108	119	117	115

Appendix G

G7 Mimram Catchment Screening

Assessment Senario Water Abstraction

				Summary						
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**						
Client Sample No					GW201	GW201	GW201	GW202	GW202	GW202
Client Sample ID										
Depth to Top					32.11	32.45	40	not supplied	35.27	36.88
Depth to Bottom					54.8	50.37	40	not supplied	53.92	54.8
Date Sampled					05/10/2018	13/09/2018	07/08/2018	14/09/2018	15/08/2018	09/10/2018
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Chromium VI	3.4	ug/l	FEQS	0	< 30	< 30	< 30	< 30	< 30	< 30
Chromium III	4.7	ug/l	FEQS	0	< 30	< 30	< 30	< 30	< 30	< 30
Chromium Total	50	ug/l	UK DWS	0	3.09	10.8	7.46	< 1	< 1	< 1
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	0.524	0.633	1.6	< 0.3	< 0.3	< 0.3
Iron	0.2	mg/l	UK DWS	2	< 0.019	< 0.019	0.0271	0.353	0.138	0.584
Lead	10	ug/l	UK DWS	0	< 0.2	< 0.2	0.344	< 0.2	< 0.2	< 0.2
Magnesium	N/A	mg/l	-	0	2.42	2.62	4.07	3.66	3.29	3.34
Manganese (bioavailable)	50	ug/l	UK DWS	6	117	139	205	388	244	641
Mercury	1	ug/l	UK DWS	0	< 0.01	0.0144	< 0.01	< 0.01	< 0.01	< 0.01
Molybdenum	70	ug/l	WHO	0	< 3	< 3	< 3	< 3	8.17	< 3
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	0	2.19	2.41	4.11	2.81	2.37	2.93
Potassium	N/A	mg/l	-	0	4.41	4.63	3.62	1.44	1.51	1.44
Selenium	10	ug/l	UK DWS	0	< 1	< 1	2.56	< 1	< 1	< 1
Sodium	50	mg/l	WHO	1	40.3	42.5	43.2	44.3	51	40.7
Vanadium	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	3.08	2.2	23.6	1.65	2.47	1.33
Monoaromatics										
Benzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	1.05
Ethylbenzene	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	30	ug/l	FEQS	0	< 2	< 2	< 2	< 2	< 2	< 2
MTBE	15	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Petroleum hydrocarbons										
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	10
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	47	50	31	< 10	31	234
TPH >C21-C35 Aliphatics	300	ug/l	WHO	5	356	422	326	146	429	1710
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	5	403	472	357	146	460	1950
C5-C35 Aliphatics	N/A	ug/l	-	0						
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C8-C9 Aromatics	300	ug/l	WHO	0						
TPH >C9-C10 Aromatics	300	ug/l	WHO	0						
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	28	< 10
TPH >C16-C21 Aromatics	90	ug/l	WHO	1	< 10	28	< 10	< 10	103	69
TPH >C21-C35 Aromatics	90	ug/l	WHO	2	46	89	39	81	300	546
TPH >C35-C44 Aromatics	90	ug/l	WHO	0						
C5-C35 Aromatics	N/A	ug/l	-	0						
VOCs										
Chloromethane	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
MTBE	15	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
1,1 -Dichloroethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1

Appendix G

G7 Mimram Catchment Screening

Assessment Senario Water Abstraction

				Summary						
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**						
Client Sample No					GW201	GW201	GW201	GW202	GW202	GW202
Client Sample ID										
Depth to Top					32.11	32.45	40	not supplied	35.27	36.88
Depth to Bottom					54.8	50.37	40	not supplied	53.92	54.8
Date Sampled					05/10/2018	13/09/2018	07/08/2018	14/09/2018	15/08/2018	09/10/2018
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
2,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Trichloromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloromethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	1.05
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	100	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	30	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	30	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
Propylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
2-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
4-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
n-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	100	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1
Dichloromethane	20	ug/l	FEQS	0	< 3	< 3	< 3	< 3	< 3	< 3
Carbon disulphide	10	ug/l	Default	0	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1
SVOCs										
Phenol	7.7	ug/l	FEQS	1	< 1	19.7	< 8	< 1	< 1	< 1

Appendix G

G7 Mimram Catchment Screening

Assessment Senario Water Abstraction

				Summary						
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**						
Client Sample No					GW201	GW201	GW201	GW202	GW202	GW202
Client Sample ID										
Depth to Top					32.11	32.45	40	not supplied	35.27	36.88
Depth to Bottom					54.8	50.37	40	not supplied	53.92	54.8
Date Sampled					05/10/2018	13/09/2018	07/08/2018	14/09/2018	15/08/2018	09/10/2018
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
2-Chlorophenol	50	ug/l	FEQS	0	< 1	< 8	< 8	< 1	< 1	< 1
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 1	< 8	< 8	< 1	< 1	< 1
2-Methylphenol	100	ug/l	FEQS	0	< 1	< 8	< 8	< 1	< 1	< 1
Hexachloroethane	40	ug/l	USEPA	0	< 1	< 8	< 8	< 1	< 1	< 1
Nitrobenzene	1	ug/l	UK DWS	0	< 1	< 8	< 8	< 1	< 1	< 1
4-Methylphenol	100	ug/l	FEQS	0	< 1	< 8	< 8	< 1	< 1	< 1
Isophorone	7000	ug/l	USEPA	0	< 1	< 8	< 8	< 1	< 1	< 1
2-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 8	< 8	< 1	< 1	< 1
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 1	< 8	< 8	< 1	< 1	< 1
Bis(2-chloroethoxy)methane	10	ug/l	Default	0	< 1	< 8	< 8	< 1	< 1	< 1
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 1	< 8	< 8	< 1	< 1	< 1
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 1	< 8	< 8	< 1	< 1	< 1
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 1	< 8	< 8	< 1	< 1	< 1
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 1	< 8	< 8	< 1	< 1	< 1
2-Methylnaphthalene	2	ug/l	FEQS	0	< 1	< 8	< 8	< 1	< 1	< 1
2-Chloronaphthalene	2	ug/l	FEQS	0	< 1	< 8	< 8	< 1	< 1	< 1
Dimethylphthalate	800	ug/l	FEQS	0	< 1	< 8	< 8	< 1	< 1	< 1
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 8	< 8	< 1	< 1	< 1
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 8	< 8	< 1	< 1	< 1
Dibenzofuran	2	ug/l	FEQS	0	< 1	< 8	< 8	< 1	< 1	< 1
Diethyl phthalate	200	ug/l	FEQS	0	< 1	< 8	< 8	< 1	< 1	< 1
Bromophenyl phenyl ether	10	ug/l	Default	0	< 1	< 8	< 8	< 1	< 1	< 1
Hexachlorobenzene	1	ug/l	USEPA	0	< 1	< 8	< 8	< 1	< 1	< 1
Phenanthrene	2	ug/l	FEQS	0	0.0692	0.0902	0.0845	< 0.005	0.0191	0.0656
Carbazole	2	ug/l	FEQS	0	< 1	< 8	< 8	< 1	< 1	< 1
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 1	< 8	< 8	1.23	< 1	< 1
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 1	< 8	< 8	< 1	< 1	< 1
PCBs by GC-ECD - WHO 12										
PCB Congener 77	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 81	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 105	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 114	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 118	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 123	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 126	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 156	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 157	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 167	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 169	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 189	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Environmental Forensics										
PFOS	0.3	ug/l	DWS	0	< 0.01	0.00483		0.00777	0.00541	0.0104
PFOA	0.3	ug/l	DWS	0	< 0.0065	0.00456		0.00433	0.00278	0.00892
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Propham	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dimefuron	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Metoxuron	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pencycuron	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.02	< 0.1	< 0.01	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01
Diclofop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02

Appendix G

G7 Mimram Catchment Screening

Assessment Senario Water Abstraction

				Summary						
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**						
Client Sample No					GW201	GW201	GW201	GW202	GW202	GW202
Client Sample ID										
Depth to Top					32.11	32.45	40	not supplied	35.27	36.88
Depth to Bottom					54.8	50.37	40	not supplied	53.92	54.8
Date Sampled					05/10/2018	13/09/2018	07/08/2018	14/09/2018	15/08/2018	09/10/2018
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bromacil	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
4-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 8	< 8	< 1	< 1	< 1
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 8	< 8	< 1	< 1	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 8	< 8	< 1	< 1	< 1
Carbamates										
Pirimicarb	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10
Carbetamide	100	ng/l	UK DWS	0	< 100	< 100	< 100	< 100	< 100	< 100
Phthalates										
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	0	< 2	< 16	< 16	< 2	< 2	< 2
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 5	< 40	< 40	< 5	< 5	< 5
Glycols										
Rodenticides										
Triazine Pesticides										
Atrazine	0.1	ug/l	UK DWS	5	0.099	0.59	0.126	0.213	0.317	0.27
Simazine	0.1	ug/l	UK DWS	3	< 0.01	< 0.05	< 0.055	0.101	0.141	0.132
Prometryn	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Propazine	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	0.0176	< 0.01	0.02	< 0.01
Terbutryn	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acid herbicides esters										
Acid Herbicides										
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.5
Benazolin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Clopyralid	0.1	ug/l	UK DWS	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Ioxynil	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4-D	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Dicamba	0.1	ug/l	UK DWS	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Dichlorprop	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01
MCPA	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
MCPB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Mecoprop	0.1	ug/l	UK DWS	0	< 0.01	0.04	0.021	< 0.01	0.02	< 0.01
Picloram	0.1	ug/l	UK DWS	0	< 0.02	< 0.2	< 0.02	< 0.02	< 0.02	< 0.02
Organochlorine Pesticides										
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.2	< 0.02	< 0.02
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.04	< 0.2	< 0.02	< 0.02
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.02	< 0.1	< 0.01	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.02	< 0.1	< 0.01	< 0.01

Appendix G

G7 Mimram Catchment Screening

Assessment Senario Water Abstraction

				Summary						
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**						
Client Sample No					GW201	GW201	GW201	GW202	GW202	GW202
Client Sample ID										
Depth to Top					32.11	32.45	40	not supplied	35.27	36.88
Depth to Bottom					54.8	50.37	40	not supplied	53.92	54.8
Date Sampled					05/10/2018	13/09/2018	07/08/2018	14/09/2018	15/08/2018	09/10/2018
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.02	< 0.1	< 0.01	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
Trifluralin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
Organonitrogen pesticides										
Bentazone	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Triclorpyr	0.1	ug/l	UK DWS	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Organophosphorous pesticides										
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.1	< 0.02	< 0.02	< 0.02	< 0.02
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.2	< 0.02	< 0.02	< 0.02	< 0.02
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01
Phenylurea herbicides										
Isoproturon	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10
Chlortoluron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10
Diflubenzuron	100	ng/l	UK DWS	0	< 20	< 20	< 20	< 20	< 20	< 20
Diuron	100	ng/l	UK DWS	0	83	90	86	30	30	30
Linuron	100	ng/l	UK DWS	0	< 20	< 20	< 20	< 20	< 20	< 20
Methabenzthiazuron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10
Monolinuron	100	ng/l	UK DWS	0	< 20	< 20	< 20	< 20	< 20	< 20
Monuron	100	ng/l	UK DWS	0	63	70	87	34	39	< 20
VFAs										
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 11	< 11	< 11	< 11	< 11	< 11
Pyrethroids										
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Cypermethrin	100	ng/l	UK DWS	0	< 50	< 50	< 50	< 50	< 50	< 50
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01	< 0.01
Organotins										
Tributyltin compounds	0.2	ng/l	FEQS	1	< 1	5.11	< 2	< 1	< 3	< 1
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 1	< 1	< 2	< 1	< 3	< 1
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	0	< 5	< 5	< 10	< 5	< 15	< 5
Chlorophenols										

Appendix G

G7 Mimram Catchment Screening

Assessment Senario Water Abstraction

				Summary						
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**						
Client Sample No					GW201	GW201	GW201	GW202	GW202	GW202
Client Sample ID										
Depth to Top					32.11	32.45	40	not supplied	35.27	36.88
Depth to Bottom					54.8	50.37	40	not supplied	53.92	54.8
Date Sampled					05/10/2018	13/09/2018	07/08/2018	14/09/2018	15/08/2018	09/10/2018
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.001	< 0.008	< 0.008	< 0.001	< 0.001	< 0.001
Others										
Bromoform	0.1	mg/l	WHO	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Carbon Tetrachloride	0.003	mg/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Lambda-cyhalothrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Methane	N/A	ug/l	-	0	< 2.18	< 2.21	5.88	137	274	33.7

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID									949605	963812	983103	998637	1022118	1053167	1074199	1101999	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03
Client Sample ID									None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Depth to Top					43.00	41.36	43.00	43.07	None Supplied	None Supplied	None Supplied	39.25-52.16	None Supplied	None Supplied	None Supplied	41.83-51.88	40.03
Depth to Bottom									45.00	None Supplied							
Date Sampled					17/02/17	16/03/17	06/04/17	17/05/17	25/04/2018	18/05/2018	14/06/2018	10/07/2018	13/08/2018	25/09/2018	22/10/2018	26/11/2018	06/02/17
Sample Type											None Supplied	1410	None Supplied	None Supplied	None Supplied	0945	
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-						6.9	6.7	7	6.6	6.9	6.6	6.8	7	
Total Cyanide	50	ug/l	UK DWS	0	7	7	7	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5
Complex Cyanides	50	ug/l	UK DWS	0	7	< 5	7	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5
Free Cyanide	50	ug/l	UK DWS	0	< 5	6	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5
Thiocyanate as SCN	50	ug/l	UK DWS	2	200	< 100	< 100	< 100	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 100
Sulphate as SO4	250000	ug/l	UK DWS	4	208000	205000	169000	169000	177000	188000	210000	276000	319000	287000	260000	174000	14000
Sulphide	250000	ug/l	UK DWS	0	< 100	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 100
Chloride	250	mg/l	UK DWS	4	155.79	167.48	161	148	92	120	120	140	120	140	130	150	73.92
Fluoride	1500	ug/l	UK DWS	0	< 100	< 100	< 100	200	95	110	93	140	88	55	130	160	130
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	18	200	120	410	240	270	45	< 15	93	170	100	72	18	380
Nitrate as N	11.3	mg/l	UK DWS	8					2.9	4.99	4.26	6.06	7.96	9.11	4.38	0.39	
Nitrate as NO3	50	mg/l	UK DWS	9	29.59	29.24	34.5	24.68	12.8	22.1	18.8	26.8	35.2	40.3	19.4	1.71	4.94
Nitrite as N	160	ug/l	UK DWS	0					3.3	17	44	37	40	58	7.3	< 1.0	
Nitrite as NO2	500	ug/l	UK DWS	2	220	260	< 100	220	11	57	140	120	130	190	24	< 5.0	< 100
Alkalinity	N/A	mg/l	-	0	428	404	400	400	570	660	750	760	690	810	490	370	236
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	32	17	16	32	9.2	11	10	24	38	27	4.1	31	10
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	1	<1	2	<1	< 1.0	< 1.0	1.3	< 1.0	< 1.0	< 1.0	< 1.0	2.3	<1
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	9	6.7	6.7	7.8	5.6	2.9	5	4.3	6.1	8	9.2	4.4	0.4	1.1
Total Suspended Solids	N/A	mg/l	-	0	31717	629	3244	7812	90	190	340	550	410	120	21	490	82
Hardness - Total	N/A	mg/l	-	0	920	974	837	864	591	552	756	844	925	846	819	651	216
Bromide	N/A	mg/l	-	0					0.57	0.69	0.94	0.79	0.92	1.1	0.98	4	
Bromate	0.01	mg/l	UK DWS	0					< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	
Phenols																	
Catechol	7.7	ug/l	FEQS	0					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
Resorcinol	7.7	ug/l	FEQS	0	< 10	< 10	< 10	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
Cresols	100	ug/l	FEQS	0	< 10	< 10	< 10	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
Naphthols	7.7	ug/l	FEQS	0					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
Isopropylphenol	7.7	ug/l	FEQS	0					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
Phenol	7.7	ug/l	FEQS	0	< 10	< 10	< 10	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
Trimethylphenol	100	ug/l	FEQS	0					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	< 0.01	< 0.02	0.02	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	2	ug/l	FEQS	0	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.05
Anthracene	0.1	ug/l	FEQS	0	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02
Fluoranthene	0.0063	ug/l	FEQS	8	< 0.01	< 0.02	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.04
Pyrene	2	ug/l	FEQS	0	< 0.01	< 0.02	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.06
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	2	ug/l	FEQS	0	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.01	< 0.02	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.01	< 0.02	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01
Heavy metals and metalloids																	

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID									949605	963812	983103	998637	1022118	1053167	1074199	1101999	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03
Client Sample ID									None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Depth to Top					43.00	41.36	43.00	43.07	None Supplied	None Supplied	None Supplied	39.25-52.16	None Supplied	None Supplied	None Supplied	41.83-51.88	40.03
Depth to Bottom									45.00	None Supplied							
Date Sampled					17/02/17	16/03/17	06/04/17	17/05/17	25/04/2018	18/05/2018	14/06/2018	10/07/2018	13/08/2018	25/09/2018	22/10/2018	26/11/2018	06/02/17
Sample Type											None Supplied	1410	None Supplied	None Supplied	None Supplied	0945	
Antimony	5	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 0.4	0.4	< 0.4	< 0.4	0.5	< 0.4	< 0.4	0.5	< 1
Arsenic	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	0.9	0.37	0.78	0.69	0.47	0.56	0.37	0.41	1.0
Barium	700	ug/l	WHO	0					110	120	98	110	140	94	91	130	
Beryllium	4	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 1
Boron	1000	ug/l	UK DWS	7					390	760	920	1200	1400	1300	860	1100	
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.04	< 0.02	< 0.2
Calcium	N/A	mg/l	-	0	354	374	322	332	220	210	280	320	350	320	320	250	83.0
Chromium VI	3.4	ug/l	FEQS	0	< 10	< 10	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
Chromium III	4.7	ug/l	FEQS	0					1.5	1.3	1.3	1.5	1.2	1.2	1.5	1.6	
Chromium Total	50	ug/l	UK DWS	0	< 1	6	8	6	1.5	1.3	1.3	1.5	1.2	1.2	1.5	1.6	13.0
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	1	2	1	2	0.9		1.3	2.4	5.7	1.6	2.1	0.8	1.0
Iron	0.2	mg/l	UK DWS	9	< 0.01	< 0.01	0.015	0.041	0.1	0.089	0.07	0.026	0.011	0.009	0.006	0.013	0.016
Lead	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	0.5	< 0.2	< 0.2	< 0.2	0.3	< 0.2	< 0.2	< 0.2	< 1
Magnesium	N/A	mg/l	-	0	9	10	8	8	9.8	9.3	11	9.1	9.7	8.6	7.7	7.9	2.0
Manganese (bioavailable)	50	ug/l	UK DWS	50	98	35	93	73	6.4	5.1	14	7.7	23	7.9	2.5	1.4	165.0
Mercury	1	ug/l	UK DWS	3	< 0.1	0.6	< 0.1	< 0.1	0.19	0.23	0.54	0.11	0.3	0.29	0.71	0.15	< 0.1
Molybdenum	70	ug/l	WHO	0					0.13	< 0.05	0.2	0.06	0.12	0.16	0.19	0.22	
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	4	6	6	8	6	2.8	2.9	2.8	5	5.6	4.8	2.6	2.7	5.0
Potassium	N/A	mg/l	-	0	3	2	2	3	3.3	2.6	3.2	2.5	3.2	2.7	2.1	3.1	4.0
Selenium	10	ug/l	UK DWS	2	< 1	< 1	< 1	< 1	2.1	2.9	1.9	2.1	3.7	5	1.3	4.1	< 1
Sodium	50	mg/l	WHO	25	58	64	55	57	44	50	55	74	66	63	51	61	42.0
Vanadium	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	0.8	0.6	0.9	0.6	0.7	0.5	0.5	0.6	< 1
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	4	6	3	17	4	4.5	5.2	7.7	4.2	3.7	5.9	1.2	14.0
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Toluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Ethylbenzene	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Xylenes	30	ug/l	FEQS	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
MTBE	15	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0	< 5	50	< 5	< 5									< 5
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5
TPH >C21-C35 Aliphatics	300	ug/l	WHO	2	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	1					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5
C5-C35 Aliphatics	N/A	ug/l	-	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
TPH >C8-C9 Aromatics	300	ug/l	WHO	0													
TPH >C9-C10 Aromatics	300	ug/l	WHO	0													
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5
TPH >C35-C44 Aromatics	90	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID									949605	963812	983103	998637	1022118	1053167	1074199	1101999	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03
Client Sample ID									None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Depth to Top					43.00	41.36	43.00	43.07	None Supplied	None Supplied	None Supplied	39.25-52.16	None Supplied	None Supplied	None Supplied	41.83-51.88	40.03
Depth to Bottom									45.00	None Supplied							
Date Sampled					17/02/17	16/03/17	06/04/17	17/05/17	25/04/2018	18/05/2018	14/06/2018	10/07/2018	13/08/2018	25/09/2018	22/10/2018	26/11/2018	06/02/17
Sample Type											None Supplied	1410	None Supplied	None Supplied	None Supplied	0945	
C5-C35 Aromatics	N/A	ug/l	-	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
C5-C35 Aromatics	N/A	ug/l	-	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10
Chloroethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Bromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Vinyl Chloride	0.5	ug/l	UK DWS	15	1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	4	4	4	3	< 1.0	5.1	< 1.0	< 1.0	< 1.0	< 1.0	2	3.3	< 1
MTBE	15	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,1 -Dichloroethane	3	ug/l	UK DWS	4	5	5	5	4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
2,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Trichloromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,2-Dichloroethane	3	ug/l	UK DWS	11	< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2
1,1-Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Benzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Tetrachloromethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Trichloroethene	10	ug/l	UK DWS	24	21	16	20	13	4.5	15.9	16.5	33.1	32.8	131	13	20.7	< 1
Dibromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Bromodichloromethane	100	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Toluene	74	ug/l	FEQS	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,3-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Dibromochloromethane	100	ug/l	WHO	0	< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3
Tetrachloroethene	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Chlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Ethylbenzene	20	ug/l	FEQS	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
m,p-Xylenes	30	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Styrene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Tribromomethane	10	ug/l	Default	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
o-Xylene	30	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Bromobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Propylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
2-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
4-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
tert-Butylbenzene	1	ug/l	UK DWS	0	< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID									949605	963812	983103	998637	1022118	1053167	1074199	1101999	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03
Client Sample ID									None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Depth to Top					43.00	41.36	43.00	43.07	None Supplied	None Supplied	None Supplied	39.25-52.16	None Supplied	None Supplied	None Supplied	41.83-51.88	40.03
Depth to Bottom									45.00	None Supplied							
Date Sampled					17/02/17	16/03/17	06/04/17	17/05/17	25/04/2018	18/05/2018	14/06/2018	10/07/2018	13/08/2018	25/09/2018	22/10/2018	26/11/2018	06/02/17
Sample Type											None Supplied	1410	None Supplied	None Supplied	None Supplied	0945	
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
n-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
2,6 Chloronitrotoluene	700	ug/l	WHO	0					< 1	< 1	< 1	< 1	< 1	< 1	< 1	I/S	
4,2 Chloronitrotoluene	700	ug/l	WHO	0					< 1	< 1	< 1	< 1	< 1	< 1	< 1	I/S	
4,3 Chloronitrotoluene	700	ug/l	WHO	0					< 1	< 1	< 1	< 1	< 1	< 1	< 1	I/S	
2,4 Chloronitrotoluene	700	ug/l	WHO	0					< 1	< 1	< 1	< 1	< 1	< 1	< 1	I/S	
2,5 Chloronitrotoluene	700	ug/l	WHO	0					< 1	< 1	< 1	< 1	< 1	< 1	< 1	I/S	
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Bromochloromethane	100	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5
Dichloromethane	20	ug/l	FEQS	0	< 5	< 5	< 5	< 5	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 5
Carbon disulphide	10	ug/l	Default	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
2-Chlorophenol	50	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
2-Methylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
Hexachloroethane	40	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
Nitrobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
4-Methylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
Isophorone	7000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
2-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
Bis(2-chloroethoxy)methane	10	ug/l	Default	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
2-Methylnaphthalene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
2-Chloronaphthalene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
Dimethylphthalate	800	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
Dibenzofuran	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
Diethyl phthalate	200	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
Bromophenyl phenyl ether	10	ug/l	Default	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
Hexachlorobenzene	1	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
Phenanthrene	2	ug/l	FEQS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Carbazole	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 81	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 105	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID									949605	963812	983103	998637	1022118	1053167	1074199	1101999	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03
Client Sample ID									None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Depth to Top					43.00	41.36	43.00	43.07	None Supplied	None Supplied	None Supplied	39.25-52.16	None Supplied	None Supplied	None Supplied	41.83-51.88	40.03
Depth to Bottom									45.00	None Supplied							
Date Sampled					17/02/17	16/03/17	06/04/17	17/05/17	25/04/2018	18/05/2018	14/06/2018	10/07/2018	13/08/2018	25/09/2018	22/10/2018	26/11/2018	06/02/17
Sample Type											None Supplied	1410	None Supplied	None Supplied	None Supplied	0945	
PCB Congener 114	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 118	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 123	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 126	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 156	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 157	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 167	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 169	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 189	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	
PCBs	25	ug/l	FEQS	0					< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	0					< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	I/S	
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0					< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	I/S	
Metaldehyde	0.1	ug/l	UK DWS	6					< 0.1	0.2	0.1	< 0.1	0.1	0.1	< 0.1	I/S	
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0					< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	I/S	
Chlorbufam	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	I/S	< 1.0
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.05	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	I/S	< 0.1
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	I/S	< 1.0
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	I/S	< 0.1
Phenmedipham	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.5	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	I/S	< 0.1
Propham	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	I/S	< 0.1
Dimefuron	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.05	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	I/S	< 0.1
Metoxuron	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.05	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	I/S	< 0.1
Pencycuron	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.05	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	I/S	< 0.1
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	I/S	
Diclofop	0.1	ug/l	UK DWS	0	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	I/S	< 0.1
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	I/S	< 0.1
Ametryn	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	I/S	< 0.1
Atrazine-methoxy	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	I/S	< 0.1
Bromacil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.05		< 0.02	< 0.02	< 0.02	I/S	< 0.02
Flamprop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02
Flamprop-isopropyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02
Prometon	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	I/S	< 0.1
Simetryn	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	I/S	< 0.1
4-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	I/S	< 1
Perylene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	I/S	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	I/S	< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0	< 100	< 100	< 100	< 100	< 20	< 20	< 20		< 20	< 20	< 20	I/S	< 100
Carbetamide	100	ng/l	UK DWS	0	< 100	< 100	< 100	< 100	< 20	< 20	< 20		< 20	< 20	< 20	I/S	< 100
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	1	< 2	< 2	< 2	< 10	6.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	I/S	< 2
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	I/S	< 10
Total phthalates	N/A	mg/l	-	0													
Glycols																	
Ethylene Glycol	0.01	mg/l	Default	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
Diethylene Glycol	0.01	mg/l	Default	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
1,2-Propanediol	0.01	mg/l	Default	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary														
Lab Sample ID									949605	963812	983103	998637	1022118	1053167	1074199	1101999		
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03	
Client Sample ID									None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Depth to Top					43.00	41.36	43.00	43.07	None Supplied	None Supplied	None Supplied	39.25-52.16	None Supplied	None Supplied	None Supplied	41.83-51.88	40.03	
Depth to Bottom									45.00	None Supplied								
Date Sampled					17/02/17	16/03/17	06/04/17	17/05/17	25/04/2018	18/05/2018	14/06/2018	10/07/2018	13/08/2018	25/09/2018	22/10/2018	26/11/2018	06/02/17	
Sample Type											None Supplied	1410	None Supplied	None Supplied	None Supplied	0945		
Rodenticides																		
Triazine Pesticides																		
Atrazine	0.1	ug/l	UK DWS	2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	I/S	< 0.1	
Simazine	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	I/S	< 0.1	
Prometryn	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	I/S	< 0.1	
Propazine	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	I/S	< 0.1	
Terbuthylazine	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	I/S	< 0.1	
Terbutryn	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	I/S	< 0.1	
Acid herbicides esters																		
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S		
2,4-D butyl ester	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	I/S		
2,4-D ethyl ester	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	I/S		
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	I/S		
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	I/S		
Acid Herbicides																		
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02	
Benazolin	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02	
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02	
Clopyralid	0.1	ug/l	UK DWS	0	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02	
Ioxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02	
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02	
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02	
2,4-D	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02	
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02	
Dicamba	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	0.05	< 0.02	I/S	< 0.02	
Dichlorprop	0.1	ug/l	UK DWS	2	0.02	< 0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	0.03	< 0.02	I/S	< 0.02	
MCPA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02	
MCPB	0.1	ug/l	UK DWS	0	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02	
Mecoprop	0.1	ug/l	UK DWS	29	0.03	0.14	0.04	< 0.02	< 0.02	0.02	0.03		0.03	0.05	< 0.02	I/S	< 0.02	
Picloram	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02	
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02	
Organochlorine Pesticides																		
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01	
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01	
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01	
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S		
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01	
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01	
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01	
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	I/S	< 0.01	
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01	
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01	
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01	
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01	
Isodrin	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S		
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01	
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01	
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01	
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01	
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01	
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01	
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01	

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary														
Lab Sample ID									949605	963812	983103	998637	1022118	1053167	1074199	1101999	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03
Client Sample ID									None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Depth to Top					43.00	41.36	43.00	43.07	None Supplied	None Supplied	None Supplied	39.25-52.16	None Supplied	None Supplied	None Supplied	41.83-51.88	40.03
Depth to Bottom									45.00	None Supplied							
Date Sampled					17/02/17	16/03/17	06/04/17	17/05/17	25/04/2018	18/05/2018	14/06/2018	10/07/2018	13/08/2018	25/09/2018	22/10/2018	26/11/2018	06/02/17
Sample Type											None Supplied	1410	None Supplied	None Supplied	None Supplied	0945	
Trifluralin	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02
Triclorpyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	I/S	< 0.02
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	I/S	
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01
Chlorfenvinphos	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	I/S	
Chlorfenvinphos I	0.1	ug/l	UK DWS	0													
Chlorfenvinphos II	0.1	ug/l	UK DWS	0													
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0													
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	I/S	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01
Fenthion	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	I/S	< 100
Chlortoluron	100	ng/l	UK DWS	0	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	I/S	< 100
Diflubenzuron	100	ng/l	UK DWS	0	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	I/S	< 100
Diuron	100	ng/l	UK DWS	13	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	I/S	200.0
Linuron	100	ng/l	UK DWS	0	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	I/S	< 100
Methabenzthiazuron	100	ng/l	UK DWS	0	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	I/S	< 100
Monolinuron	100	ng/l	UK DWS	0	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	I/S	< 100
Monuron	100	ng/l	UK DWS	4	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	I/S	< 100
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	I/S	< 10
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	I/S	< 10
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	I/S	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	I/S	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	I/S	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	I/S	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	I/S	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 11	< 11	< 11	< 11	< 10	< 10	< 10	< 10	< 10	< 10	< 10	I/S	< 11
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	I/S	< 0.1
Cypermethrin	100	ng/l	UK DWS	0	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	I/S	< 100
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	I/S	< 0.1
Permethrin	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	
Permethrin	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	I/S	
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0	<10	<10	<10	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	I/S	<10
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	<10	<10	<10	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	I/S	<10
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	0	<20	<10	<10	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	I/S	<10
Chlorophenols																	

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID									949605	963812	983103	998637	1022118	1053167	1074199	1101999	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH02	ARP16-LF-BH03
Client Sample ID									None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Depth to Top					43.00	41.36	43.00	43.07	None Supplied	None Supplied	None Supplied	39.25-52.16	None Supplied	None Supplied	None Supplied	41.83-51.88	40.03
Depth to Bottom									45.00	None Supplied							
Date Sampled					17/02/17	16/03/17	06/04/17	17/05/17	25/04/2018	18/05/2018	14/06/2018	10/07/2018	13/08/2018	25/09/2018	22/10/2018	26/11/2018	06/02/17
Sample Type											None Supplied	1410	None Supplied	None Supplied	None Supplied	0945	
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	I/S	< 0.00002
Others																	
Bromoform	0.1	mg/l	WHO	0	< 0.001	< 0.001	< 0.001	< 0.001									< 0.001
Carbon Tetrachloride	0.003	mg/l	UK DWS	0													
Lambda-cyhalothrin	0.1	ug/l	UK DWS	0													
Methane	N/A	ug/l	-	0	< 2	< 1	< 1	< 2									2

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID								949606	963813	983104	1000273	1022119	1054026	1076311	1108237	1137545	1165090
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03
Client Sample ID								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Depth to Top					41.92	41.55	42.57	None Supplied	None Supplied	None Supplied	37.23-51.94	None Supplied	None Supplied	None Supplied	None Supplied	50	None Supplied
Depth to Bottom								45.00	None Supplied								40.58-52.03
Date Sampled					15/03/17	06/04/17	16/05/17	25/04/2018	18/05/2018	15/06/2018	12/07/2018	13/08/2018	26/09/2018	25/10/2018	05/12/2018	22/01/2019	26/02/2019
Sample Type										None Supplied	1400	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-					7.3	7.2	7.1	7.3	7.6	7.9	7.5	7.3	7.3	7.3
Total Cyanide	50	ug/l	UK DWS	0	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Complex Cyanides	50	ug/l	UK DWS	0	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Free Cyanide	50	ug/l	UK DWS	0	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thiocyanate as SCN	50	ug/l	UK DWS	2	< 100	< 100	< 100	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Sulphate as SO4	250000	ug/l	UK DWS	4	5000	5000	6000	17600	14700	25600	13100	11700	10700	9100	6080	6390	6920
Sulphide	250000	ug/l	UK DWS	0	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloride	250	mg/l	UK DWS	4	70.4	66.93	66	93	99	93	75	77	86	82	110	100	81
Fluoride	1500	ug/l	UK DWS	0	170	160	270	130	130	150	170	140	120	190	150	180	180
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	18	490	500	450	620	150	33	1900	580	290	260	460	360	160
Nitrate as N	11.3	mg/l	UK DWS	8				0.18	0.14	0.04	0.23	0.21	0.19	0.64	0.02	0.27	0.48
Nitrate as NO3	50	mg/l	UK DWS	9	3.62	1.02	1.35	0.8	0.64	0.16	1.01	0.91	0.85	2.83	0.11	1.2	2.12
Nitrite as N	160	ug/l	UK DWS	0				7.4	7.5	12	11	19	20	96	8.5	4.9	7.8
Nitrite as NO2	500	ug/l	UK DWS	2	< 100	< 100	130	24	25	39	37	61	67	310	28	16	26
Alkalinity	N/A	mg/l	-	0	198	205	235	380	440	550	430	500	410	210	220	220	220
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	<6	12	13	< 2.0	4.7	43	6.7	15	2.9	97	< 2.0	< 2.0	6.7
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	4	9	11	1.5	1.6	< 1.0	1.2	1.7	< 1.0	2.7	47	< 1.0	3.4
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	9	0.8	0.3	0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	0.7	< 0.3	< 0.3	0.5
Total Suspended Solids	N/A	mg/l	-	0	16	1233	842	27	34	190	36	30	26	4300	< 2.0	8	110
Hardness - Total	N/A	mg/l	-	0	204	226	255	249	230	281	306	304	337	294	255	265	257
Bromide	N/A	mg/l	-	0				0.1	0.097	0.14	0.089	0.095	0.081	0.092	0.13	0.32	0.069
Bromate	0.01	mg/l	UK DWS	0				< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Phenols																	
Catechol	7.7	ug/l	FEQS	0				< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Resorcinol	7.7	ug/l	FEQS	0	< 10	< 10	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0				< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Cresols	100	ug/l	FEQS	0	< 10	< 10	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Naphthols	7.7	ug/l	FEQS	0				< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Isopropylphenol	7.7	ug/l	FEQS	0				< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Phenol	7.7	ug/l	FEQS	0	< 10	< 10	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trimethylphenol	100	ug/l	FEQS	0				< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	0.02	< 0.01	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	0.1	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	0.0063	ug/l	FEQS	8	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Heavy metals and metalloids																	

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID								949606	963813	983104	1000273	1022119	1054026	1076311	1108237	1137545	1165090
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03
Client Sample ID								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Depth to Top					41.92	41.55	42.57	None Supplied	None Supplied	None Supplied	37.23-51.94	None Supplied	None Supplied	None Supplied	None Supplied	50	None Supplied
Depth to Bottom								45.00	None Supplied								40.58-52.03
Date Sampled					15/03/17	06/04/17	16/05/17	25/04/2018	18/05/2018	15/06/2018	12/07/2018	13/08/2018	26/09/2018	25/10/2018	05/12/2018	22/01/2019	26/02/2019
Sample Type										None Supplied	1400	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Antimony	5	ug/l	UK DWS	0	< 1	< 1	< 1	< 0.4	< 0.4	0.5	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	0.5	< 0.4
Arsenic	10	ug/l	UK DWS	0	1.0	1.0	< 1	1.28	0.86	0.76	0.48	0.99	1.08	0.39	2.46	0.92	1.14
Barium	700	ug/l	WHO	0				250	250	180	140	220	100	180	130	130	150
Beryllium	4	ug/l	USEPA	0	< 1	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron	1000	ug/l	UK DWS	7				13	30	65	20	< 10	27	< 10	14	15	18
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.2	< 0.2	< 0.2	< 0.02	< 0.02	0.04	< 0.02	0.03	< 0.02	0.02	< 0.02	< 0.02	< 0.02
Calcium	N/A	mg/l	-	0	79.0	88.0	99.0	95	88	110	120	120	130	110	99	100	99
Chromium VI	3.4	ug/l	FEQS	0	< 10	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium III	4.7	ug/l	FEQS	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.5	< 1.0	< 1.0	< 1.0	< 1.0
Chromium Total	50	ug/l	UK DWS	0	< 1	6.0	8.0	0.7	< 0.2	0.3	0.6	0.5	1.5	< 0.2	0.8	0.2	0.9
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	< 1	< 1	1.0	0.6		3.5	1.4	5.5	2.3	3.1	2.2	1.2	4.6
Iron	0.2	mg/l	UK DWS	9	0.021	< 0.01	< 0.01	0.083	0.047	0.022	< 0.004	< 0.004	0.042	0.012	0.23	< 0.004	0.38
Lead	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 0.2	< 0.2	0.3	< 0.2	0.3	< 0.2	< 0.2	0.3	< 0.2	< 0.2
Magnesium	N/A	mg/l	-	0	1.0	2.0	2.0	2.7	2.5	3.4	2.2	2.4	2.2	2	1.7	1.9	2.1
Manganese (bioavailable)	50	ug/l	UK DWS	50	227.0	211.0	193.0	550	450	300	230	230	140	130	220	200	250
Mercury	1	ug/l	UK DWS	3	< 0.1	< 0.1	< 0.1	0.08	0.07	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.06	< 0.05
Molybdenum	70	ug/l	WHO	0				0.25	< 0.05	0.51	0.36	0.33	0.8	0.26	0.17	0.07	0.21
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	4	5.0	6.0	5.0	12	11	5.6	6.6	8.2	6.3	7.6	5.1	3.5	6.2
Potassium	N/A	mg/l	-	0	4.0	5.0	5.0	5.7	3.8	1.9	2	2.8	3.5	3.3	4.5	4.1	2.7
Selenium	10	ug/l	UK DWS	2	< 1	< 1	< 1	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	4	< 0.6	< 0.6	< 0.6	< 0.6
Sodium	50	mg/l	WHO	25	36.0	38.0	35.0	44	45	43	36	39	40	48	40	42	39
Vanadium	20	ug/l	FEQS	0	< 1	< 1	< 1	< 0.2	< 0.2	0.3	< 0.2	< 0.2	0.3	0.7	< 0.2	0.2	< 0.2
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	2.0	4.0	8.0	1.2	2.8	9.4	7.7	8.9	18	7.1	6.5	5.8	7.3
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes	30	ug/l	FEQS	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum hydrocarbons																< 1.0	
TPH	N/A	ug/l	-	0	< 5	< 5	< 5										
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C21-C35 Aliphatics	300	ug/l	WHO	2	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	1				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
C5-C35 Aliphatics	N/A	ug/l	-	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C9 Aromatics	300	ug/l	WHO	0													
TPH >C9-C10 Aromatics	300	ug/l	WHO	0													
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C35-C44 Aromatics	90	ug/l	WHO	0	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID								949606	963813	983104	1000273	1022119	1054026	1076311	1108237	1137545	1165090
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03
Client Sample ID								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Depth to Top					41.92	41.55	42.57	None Supplied	None Supplied	None Supplied	37.23-51.94	None Supplied	None Supplied	None Supplied	None Supplied	50	None Supplied
Depth to Bottom								45.00	None Supplied								40.58-52.03
Date Sampled					15/03/17	06/04/17	16/05/17	25/04/2018	18/05/2018	15/06/2018	12/07/2018	13/08/2018	26/09/2018	25/10/2018	05/12/2018	22/01/2019	26/02/2019
Sample Type										None Supplied	1400	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
C5-C35 Aromatics	N/A	ug/l	-	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
C5-C35 Aromatics	N/A	ug/l	-	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	0.5	ug/l	UK DWS	15	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1 -Dichloroethane	3	ug/l	UK DWS	4	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	3	ug/l	UK DWS	11	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	10	ug/l	UK DWS	24	2.0	< 1	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	100	ug/l	UK DWS	0	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	100	ug/l	WHO	0	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylenes	30	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	10	ug/l	Default	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	30	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Propylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	1	ug/l	UK DWS	0	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID								949606	963813	983104	1000273	1022119	1054026	1076311	1108237	1137545	1165090
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03
Client Sample ID								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Depth to Top					41.92	41.55	42.57	None Supplied	None Supplied	None Supplied	37.23-51.94	None Supplied	None Supplied	None Supplied	None Supplied	50	None Supplied
Depth to Bottom								45.00	None Supplied								40.58-52.03
Date Sampled					15/03/17	06/04/17	16/05/17	25/04/2018	18/05/2018	15/06/2018	12/07/2018	13/08/2018	26/09/2018	25/10/2018	05/12/2018	22/01/2019	26/02/2019
Sample Type										None Supplied	1400	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,6 Chloronitrotoluene	700	ug/l	WHO	0				< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4,2 Chloronitrotoluene	700	ug/l	WHO	0				< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4,3 Chloronitrotoluene	700	ug/l	WHO	0				< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4 Chloronitrotoluene	700	ug/l	WHO	0				< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,5 Chloronitrotoluene	700	ug/l	WHO	0				< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	100	ug/l	WHO	0	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane	20	ug/l	FEQS	0	< 5	< 5	< 5	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 3.0
Carbon disulphide	10	ug/l	Default	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	50	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachloroethane	40	ug/l	USEPA	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Isophorone	7000	ug/l	USEPA	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	10	ug/l	Default	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chloronaphthalene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dimethylphthalate	800	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenzofuran	2	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Diethyl phthalate	200	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	10	ug/l	Default	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	1	ug/l	USEPA	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	2	ug/l	FEQS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Carbazole	2	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 81	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 105	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID								949606	963813	983104	1000273	1022119	1054026	1076311	1108237	1137545	1165090
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03
Client Sample ID								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Depth to Top					41.92	41.55	42.57	None Supplied	None Supplied	None Supplied	37.23-51.94	None Supplied	None Supplied	None Supplied	None Supplied	50	None Supplied
Depth to Bottom								45.00	None Supplied								40.58-52.03
Date Sampled					15/03/17	06/04/17	16/05/17	25/04/2018	18/05/2018	15/06/2018	12/07/2018	13/08/2018	26/09/2018	25/10/2018	05/12/2018	22/01/2019	26/02/2019
Sample Type										None Supplied	1400	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
PCB Congener 114	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 118	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 123	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 126	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 156	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 157	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 167	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 169	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 189	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCBs	25	ug/l	FEQS	0				< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	0				< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0				< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Metaldehyde	0.1	ug/l	UK DWS	6				< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0				< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chlorbufam	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.05	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenmedipham	0.1	ug/l	UK DWS	0	< 0.1	< 0.5	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Propham	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dimefuron	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.05	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Metoxuron	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.05	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pencycuron	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.05	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Diclofop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Ametryn	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Atrazine-methoxy	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromacil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.05		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Flamprop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Flamprop-isopropyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Prometon	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Simetryn	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Perylene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0	< 100	< 100	< 100	< 20	< 20	< 20		< 20	< 20	< 20	< 20	< 20	< 20
Carbetamide	100	ng/l	UK DWS	0	< 100	< 100	< 100	< 20	< 20	< 20		< 20	< 20	< 20	< 20	< 20	< 20
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	1	< 2	< 2	< 10	3.1	< 1.0	1.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total phthalates	N/A	mg/l	-	0													
Glycols																	
Ethylene Glycol	0.01	mg/l	Default	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Diethylene Glycol	0.01	mg/l	Default	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Propanediol	0.01	mg/l	Default	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID								949606	963813	983104	1000273	1022119	1054026	1076311	1108237	1137545	1165090
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03
Client Sample ID								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Depth to Top					41.92	41.55	42.57	None Supplied	None Supplied	None Supplied	37.23-51.94	None Supplied	None Supplied	None Supplied	None Supplied	50	None Supplied
Depth to Bottom								45.00	None Supplied								40.58-52.03
Date Sampled					15/03/17	06/04/17	16/05/17	25/04/2018	18/05/2018	15/06/2018	12/07/2018	13/08/2018	26/09/2018	25/10/2018	05/12/2018	22/01/2019	26/02/2019
Sample Type										None Supplied	1400	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Rodenticides																	
Triazine Pesticides																	
Atrazine	0.1	ug/l	UK DWS	2	< 0.1	< 0.1	< 0.1	0.05	0.06	0.07		0.06	0.05	< 0.05	< 0.05	0.06	0.06
Simazine	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Prometryn	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Propazine	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Terbuthylazine	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Terbutryn	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4-D butyl ester	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,4-D ethyl ester	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Benazolin	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Clopyralid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Ioxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4-D	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Dicamba	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Dichlorprop	0.1	ug/l	UK DWS	2	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
MCPA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
MCPB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Mecoprop	0.1	ug/l	UK DWS	29	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Picloram	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID								949606	963813	983104	1000273	1022119	1054026	1076311	1108237	1137545	1165090
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03
Client Sample ID								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Depth to Top					41.92	41.55	42.57	None Supplied	None Supplied	None Supplied	37.23-51.94	None Supplied	None Supplied	None Supplied	None Supplied	50	None Supplied
Depth to Bottom								45.00	None Supplied								40.58-52.03
Date Sampled					15/03/17	06/04/17	16/05/17	25/04/2018	18/05/2018	15/06/2018	12/07/2018	13/08/2018	26/09/2018	25/10/2018	05/12/2018	22/01/2019	26/02/2019
Sample Type										None Supplied	1400	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Trifluralin	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Triclorpyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos I	0.1	ug/l	UK DWS	0													
Chlorfenvinphos II	0.1	ug/l	UK DWS	0													
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0													
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
Chlortoluron	100	ng/l	UK DWS	0	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
Diflubenzuron	100	ng/l	UK DWS	0	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
Diuron	100	ng/l	UK DWS	13	200.0	< 100	200.0	230	220	160		260	220	230	< 10	210	290
Linuron	100	ng/l	UK DWS	0	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
Methabenzthiazuron	100	ng/l	UK DWS	0	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
Monolinuron	100	ng/l	UK DWS	0	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
Monuron	100	ng/l	UK DWS	4	< 100	< 100	60.0	170	220	260		69	82.000	77.000	38.000	50.000	110
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 11	< 11	< 11	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cypermethrin	100	ng/l	UK DWS	0	< 100	< 100	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Permethrin	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Permethrin	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0	<10	<10	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	<10	<10	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	0	<10	<10	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chlorophenols																	

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID								949606	963813	983104	1000273	1022119	1054026	1076311	1108237	1137545	1165090
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03	ARP16-LF-BH03
Client Sample ID								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Depth to Top					41.92	41.55	42.57	None Supplied	None Supplied	None Supplied	37.23-51.94	None Supplied	None Supplied	None Supplied	None Supplied	50	None Supplied
Depth to Bottom								45.00	None Supplied								40.58-52.03
Date Sampled					15/03/17	06/04/17	16/05/17	25/04/2018	18/05/2018	15/06/2018	12/07/2018	13/08/2018	26/09/2018	25/10/2018	05/12/2018	22/01/2019	26/02/2019
Sample Type										None Supplied	1400	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.00002	< 0.00002	< 0.00002	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Others																	
Bromoform	0.1	mg/l	WHO	0	< 0.001	< 0.001	< 0.001										
Carbon Tetrachloride	0.003	mg/l	UK DWS	0													
Lambda-cyhalothrin	0.1	ug/l	UK DWS	0													
Methane	N/A	ug/l	-	0	< 2	< 1	< 2										< 0.1

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					1179545					948968	962833	981283	1000274				
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	43.80	43.65	46.94	46.22	None Supplied	None Supplied	None Supplied	41.35-59.30	43.75	44.30	44.50	44.47
Depth to Bottom					39.42-53.15					None Supplied	None Supplied						
Date Sampled					18/03/2019	07/02/17	15/03/17	06/04/17	16/05/17	24/04/2018	17/05/2018	13/06/2018	12/07/2018	07/02/17	16/03/17	06/04/17	16/05/17
Sample Type												None Supplied	1140				
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-		7.4					6.8	6.6	6.7	6.6				
Total Cyanide	50	ug/l	UK DWS	0	< 10	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Complex Cyanides	50	ug/l	UK DWS	0	< 10	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Free Cyanide	50	ug/l	UK DWS	0	< 10	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Thiocyanate as SCN	50	ug/l	UK DWS	2	< 200	< 100	< 100	< 100	< 100	< 200	< 200	< 200	< 200	< 100	< 100	< 100	< 100
Sulphate as SO4	250000	ug/l	UK DWS	4	6330	123000	17000	17000	19000	17700	22300	31400	19200	8000	14000	11000	15000
Sulphide	250000	ug/l	UK DWS	0	< 5.0	< 100	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 100	< 100	< 100	< 100
Chloride	250	mg/l	UK DWS	4	110	94.2	104.7	102	98	100	79	150	110	124	118.2	96.45	121
Fluoride	1500	ug/l	UK DWS	0	210	< 100	140	140	430	84	98	120	120	130	150	150	320
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	18	670	< 20	< 20	100	70	170	99	85	32	< 20	< 20	50	20
Nitrate as N	11.3	mg/l	UK DWS	8	0.4					0.13	0.71	0.17	0.88				
Nitrate as NO3	50	mg/l	UK DWS	9	1.77	4.83	59.21	4.04	3.37	0.58	3.14	0.74	3.89	5.28	< 0.10	8.72	1.5
Nitrite as N	160	ug/l	UK DWS	0	< 1.0					8.2	29	20	8.1				
Nitrite as NO2	500	ug/l	UK DWS	2	< 5.0	280	200	190	< 100	27	95	65	27	< 100	< 100	< 100	< 100
Alkalinity	N/A	mg/l	-	0	450	422	412	406	408	800	660	800	720	377	395	382	389
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	2.4	25	<6	16	34	19	22	20	14	16	21	9	16
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	< 1.0	<1	3	1	12	2.1	1.5	1.4	2.1	<1	<1	<1	1
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	9	0.4	1.2	13.4	1	0.8	< 0.3	0.7	< 0.3	0.9	1.2	< 0.1	2	1.5
Total Suspended Solids	N/A	mg/l	-	0	20	654	1229	66	3744	64	100	78	36	133	101	19056	8700
Hardness - Total	N/A	mg/l	-	0	244	598	777	689	789	598	613	700	787	555	635	533	633
Bromide	N/A	mg/l	-	0	0.09					0.73	0.84	0.43	0.65				
Bromate	0.01	mg/l	UK DWS	0	< 0.002					< 0.002	< 0.002	< 0.002	< 0.002				
Phenols																	
Catechol	7.7	ug/l	FEQS	0	< 0.5					< 0.5	< 0.5	< 0.5	< 0.5				
Resorcinol	7.7	ug/l	FEQS	0	< 0.5	< 10	< 10	< 10	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 10	< 10	< 10
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0	< 0.5					< 0.5	< 0.5	< 0.5	< 0.5				
Cresols	100	ug/l	FEQS	0	< 0.5	< 10	< 10	< 10	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 10	< 10	< 10
Naphthols	7.7	ug/l	FEQS	0	< 0.5					< 0.5	< 0.5	< 0.5	< 0.5				
Isopropylphenol	7.7	ug/l	FEQS	0	< 0.5					< 0.5	< 0.5	< 0.5	< 0.5				
Phenol	7.7	ug/l	FEQS	0	< 0.5	< 10	< 10	< 10	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 10	< 10	< 10
Trimethylphenol	100	ug/l	FEQS	0	< 0.5					< 0.5	< 0.5	< 0.5	< 0.5				
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.02	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	0.03
Acenaphthylene	2	ug/l	FEQS	0	< 0.01	0.03	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.02	< 0.01	< 0.01
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Fluorene	2	ug/l	FEQS	0	< 0.01	0.03	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.02	< 0.01	< 0.01
Phenanthrene	2	ug/l	FEQS	0	< 0.01	0.09	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.07	< 0.02	< 0.01	< 0.01
Anthracene	0.1	ug/l	FEQS	0	< 0.01	0.02	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.02	< 0.01	< 0.01
Fluoranthene	0.0063	ug/l	FEQS	8	< 0.01	0.02	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.02	< 0.01	< 0.01
Pyrene	2	ug/l	FEQS	0	< 0.01	0.03	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.04	< 0.02	< 0.01	< 0.01
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Chrysene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.001	< 0.01	< 0.01	< 0.02	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01	< 0.02	< 0.01	< 0.01
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.001	< 0.01	< 0.01	< 0.02	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01	< 0.02	< 0.01	< 0.01
Heavy metals and metalloids																	

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					1179545					948968	962833	981283	1000274				
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	43.80	43.65	46.94	46.22	None Supplied	None Supplied	None Supplied	41.35-59.30	43.75	44.30	44.50	44.47
Depth to Bottom					39.42-53.15					None Supplied	None Supplied						
Date Sampled					18/03/2019	07/02/17	15/03/17	06/04/17	16/05/17	24/04/2018	17/05/2018	13/06/2018	12/07/2018	07/02/17	16/03/17	06/04/17	16/05/17
Sample Type												None Supplied	1140				
Antimony	5	ug/l	UK DWS	0	< 0.4	< 1	< 1	< 1	< 1	< 0.4	< 0.4	< 0.4	< 0.4	< 1	< 1	< 1	< 1
Arsenic	10	ug/l	UK DWS	0	2.33	1.0	1.0	1.0	< 1	0.69	0.44	0.28	0.3	1.0	1.0	4.0	< 1
Barium	700	ug/l	WHO	0	120					190	230	250	150				
Beryllium	4	ug/l	USEPA	0	< 0.1	< 1	< 1	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 1	< 1	< 1	< 1
Boron	1000	ug/l	UK DWS	7	20					180	230	300	150				
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.02	< 0.2	< 0.2	< 0.2	< 0.2	< 0.02	< 0.02	< 0.02	< 0.02	< 0.2	< 0.2	< 0.2	< 0.2
Calcium	N/A	mg/l	-	0	95	232.0	303.0	268.0	306.0	230	240	270	310	218.0	248.0	209.0	248.0
Chromium VI	3.4	ug/l	FEQS	0	< 5.0	< 10	< 10	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 10	< 10
Chromium III	4.7	ug/l	FEQS	0	< 1.0					2.3	< 1.0	< 1.0	< 1.0				
Chromium Total	50	ug/l	UK DWS	0	< 0.2	< 1	7.0	5.0	< 1	2.3	0.7	0.8	0.9	7.0	< 1	< 1	2.0
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	1.5	1.0	2.0	2.0	5.0	3		2.6	< 0.5	1.0	< 1	1.0	< 1
Iron	0.2	mg/l	UK DWS	9	0.18	0.021	< 0.01	0.012	0.06	0.16	< 0.004	0.056	0.005	0.035	0.074	0.018	0.037
Lead	10	ug/l	UK DWS	0	0.2	< 1	< 1	< 1	2.0	0.6	0.3	0.4	< 0.2	< 1	< 1	< 1	< 1
Magnesium	N/A	mg/l	-	0	1.8	5.0	5.0	5.0	6.0	4.4	5	5	4.3	3.0	3.0	3.0	3.0
Manganese (bioavailable)	50	ug/l	UK DWS	50	210	98.0	90.0	86.0	103.0	83	88	81	54	209.0	122.0	47.0	110.0
Mercury	1	ug/l	UK DWS	3	< 0.05	0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.07	< 0.05	0.13	0.1	< 0.1	< 0.1	< 0.1
Molybdenum	70	ug/l	WHO	0	0.39					0.16	< 0.05	0.29	0.12				
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	4	4.8	5.0	6.0	6.0	4.0	5.1	6.4	7.3	3.8	9.0	15.0	5.0	8.0
Potassium	N/A	mg/l	-	0	6.1	2.0	<1	1.0	2.0	1.1	0.99	1.1	0.89	<1	1.0	1.0	2.0
Selenium	10	ug/l	UK DWS	2	< 0.6	< 1	< 1	< 1	< 1	2.5	3.1	2.2	1.8	< 1	< 1	< 1	< 1
Sodium	50	mg/l	WHO	25	55	15.0	17.0	18.0	15.0	18	23	24	15	26.0	27.0	21.0	27.0
Vanadium	20	ug/l	FEQS	0	< 0.2	< 1	< 1	< 1	< 1	0.6	0.3	0.3	0.2	< 1	< 1	< 1	< 1
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	2.8	14.0	8.0	4.0	12.0	6.7	2	3.2	5.3	11.0	5.0	9.0	8.0
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Toluene	74	ug/l	FEQS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Xylenes	30	ug/l	FEQS	0	< 1.0					< 1.0	< 1.0	< 1.0	< 1.0				
MTBE	15	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0		< 5	< 5	< 5	< 5					< 5	< 5	< 5	< 5
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 10	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 10	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 10	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
TPH >C21-C35 Aliphatics	300	ug/l	WHO	2	< 10	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	1	< 10					< 10	< 10	< 10	< 10				
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0	< 10	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
C5-C35 Aliphatics	N/A	ug/l	-	0	< 10					< 10	< 10	< 10	< 10				
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0	< 10					< 10	< 10	< 10	< 10				
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
TPH >C8-C9 Aromatics	300	ug/l	WHO	0													
TPH >C9-C10 Aromatics	300	ug/l	WHO	0													
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 10	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10		< 5		< 5
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 10	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10		< 5		< 5
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 10	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10		< 5		< 5
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 10	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10		< 5		< 5
TPH >C35-C44 Aromatics	90	ug/l	WHO	0	< 10	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10		< 5		< 5

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					1179545					948968	962833	981283	1000274				
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	43.80	43.65	46.94	46.22	None Supplied	None Supplied	None Supplied	41.35-59.30	43.75	44.30	44.50	44.47
Depth to Bottom					39.42-53.15					None Supplied	None Supplied						
Date Sampled					18/03/2019	07/02/17	15/03/17	06/04/17	16/05/17	24/04/2018	17/05/2018	13/06/2018	12/07/2018	07/02/17	16/03/17	06/04/17	16/05/17
Sample Type												None Supplied	1140				
C5-C35 Aromatics	N/A	ug/l	-	0	< 10					< 10	< 10	< 10	< 10				
C5-C35 Aromatics	N/A	ug/l	-	0	< 10					< 10	< 10	< 10	< 10				
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 1.0	< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 10	< 10
Chloroethane	3	ug/l	UK DWS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Bromomethane	100	ug/l	UK DWS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Vinyl Chloride	0.5	ug/l	UK DWS	15	< 1.0	1.0	2.0	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	1.0	2.0	< 1	< 1
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0	< 1.0					< 1.0	< 1.0	< 1.0	< 1.0				
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	2.0	3.0	2.0	3.0	3.2	< 1.0	4.2	< 1.0	4.0	6.0	4.0	7.0
MTBE	15	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,1 -Dichloroethane	3	ug/l	UK DWS	4	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
2,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Trichloromethane	2.5	ug/l	FEQS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,2-Dichloroethane	3	ug/l	UK DWS	11	< 1.0	< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	4.0	5.0	4.0	5.0
1,1-Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Tetrachloromethane	3	ug/l	UK DWS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Trichloroethene	10	ug/l	UK DWS	24	< 1.0	16.0	13.0	9.0	12.0	18.7	10.6	12.3	16.3	6.0	7.0	9.0	10.0
Dibromomethane	100	ug/l	UK DWS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Bromodichloromethane	100	ug/l	UK DWS	0	< 1.0	< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 10	< 10
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Toluene	74	ug/l	FEQS	0	< 1.0					< 1.0	< 1.0	< 1.0	< 1.0				
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,3-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Dibromochloromethane	100	ug/l	WHO	0	< 1.0	< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 3	< 3	< 3
Tetrachloroethene	10	ug/l	UK DWS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Chlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Ethylbenzene	20	ug/l	FEQS	0	< 1.0					< 1.0	< 1.0	< 1.0	< 1.0				
m,p-Xylenes	30	ug/l	FEQS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Styrene	20	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Tribromomethane	10	ug/l	Default	0	< 1.0					< 1.0	< 1.0	< 1.0	< 1.0				
o-Xylene	30	ug/l	FEQS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Bromobenzene	1	ug/l	UK DWS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
2-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
4-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 2	< 2	< 2
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID					1179545					948968	962833	981283	1000274				
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	43.80	43.65	46.94	46.22	None Supplied	None Supplied	None Supplied	41.35-59.30	43.75	44.30	44.50	44.47
Depth to Bottom					39.42-53.15					None Supplied	None Supplied						
Date Sampled					18/03/2019	07/02/17	15/03/17	06/04/17	16/05/17	24/04/2018	17/05/2018	13/06/2018	12/07/2018	07/02/17	16/03/17	06/04/17	16/05/17
Sample Type												None Supplied	1140				
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
n-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1.0	< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 2	< 2	< 2
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1.0	< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 3	< 3	< 3
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
2,6 Chloronitrotoluene	700	ug/l	WHO	0	< 1					< 1	< 1	< 1	< 1				
4,2 Chloronitrotoluene	700	ug/l	WHO	0	< 1					< 1	< 1	< 1	< 1				
4,3 Chloronitrotoluene	700	ug/l	WHO	0	< 1					< 1	< 1	< 1	< 1				
2,4 Chloronitrotoluene	700	ug/l	WHO	0	< 1					< 1	< 1	< 1	< 1				
2,5 Chloronitrotoluene	700	ug/l	WHO	0	< 1					< 1	< 1	< 1	< 1				
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 3	< 3	< 3
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0					< 1.0	< 1.0	< 1.0	< 1.0				
Bromochloromethane	100	ug/l	WHO	0	< 1.0	< 5	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 5	< 5	< 5
Dichloromethane	20	ug/l	FEQS	0	< 3.0	< 5	< 5	< 5	< 5	< 100	< 100	< 100	< 100	< 5	< 5	< 5	< 5
Carbon disulphide	10	ug/l	Default	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
2-Chlorophenol	50	ug/l	FEQS	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
2-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
Hexachloroethane	40	ug/l	USEPA	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
Nitrobenzene	1	ug/l	UK DWS	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
4-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
Isophorone	7000	ug/l	USEPA	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
2-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
Bis(2-chloroethoxy)methane	10	ug/l	Default	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
2-Methylnaphthalene	2	ug/l	FEQS	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
2-Chloronaphthalene	2	ug/l	FEQS	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
Dimethylphthalate	800	ug/l	FEQS	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
Dibenzofuran	2	ug/l	FEQS	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
Diethyl phthalate	200	ug/l	FEQS	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
Bromophenyl phenyl ether	10	ug/l	Default	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
Hexachlorobenzene	1	ug/l	USEPA	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
Phenanthrene	2	ug/l	FEQS	0	< 0.01					< 0.01	< 0.01	< 0.01	< 0.01				
Carbazole	2	ug/l	FEQS	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 0.05	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0	< 0.020					< 0.020	< 0.020	< 0.020	< 0.020				
PCB Congener 81	25	ug/l	FEQS	0	< 0.020					< 0.020	< 0.020	< 0.020	< 0.020				
PCB Congener 105	25	ug/l	FEQS	0	< 0.020					< 0.020	< 0.020	< 0.020	< 0.020				

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID					1179545					948968	962833	981283	1000274				
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	43.80	43.65	46.94	46.22	None Supplied	None Supplied	None Supplied	41.35-59.30	43.75	44.30	44.50	44.47
Depth to Bottom					39.42-53.15					None Supplied	None Supplied						
Date Sampled					18/03/2019	07/02/17	15/03/17	06/04/17	16/05/17	24/04/2018	17/05/2018	13/06/2018	12/07/2018	07/02/17	16/03/17	06/04/17	16/05/17
Sample Type												None Supplied	1140				
PCB Congener 114	25	ug/l	FEQS	0	< 0.020					< 0.020	< 0.020	< 0.020	< 0.020				
PCB Congener 118	25	ug/l	FEQS	0	< 0.020					< 0.020	< 0.020	< 0.020	< 0.020				
PCB Congener 123	25	ug/l	FEQS	0	< 0.020					< 0.020	< 0.020	< 0.020	< 0.020				
PCB Congener 126	25	ug/l	FEQS	0	< 0.020					< 0.020	< 0.020	< 0.020	< 0.020				
PCB Congener 156	25	ug/l	FEQS	0	< 0.020					< 0.020	< 0.020	< 0.020	< 0.020				
PCB Congener 157	25	ug/l	FEQS	0	< 0.020					< 0.020	< 0.020	< 0.020	< 0.020				
PCB Congener 167	25	ug/l	FEQS	0	< 0.020					< 0.020	< 0.020	< 0.020	< 0.020				
PCB Congener 169	25	ug/l	FEQS	0	< 0.020					< 0.020	< 0.020	< 0.020	< 0.020				
PCB Congener 189	25	ug/l	FEQS	0	< 0.020					< 0.020	< 0.020	< 0.020	< 0.020				
PCBs	25	ug/l	FEQS	0	< 0.300					< 0.300	< 0.300	< 0.300	< 0.300				
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	0	< 0.05					< 0.05	< 0.05	< 0.05	< 0.05				
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0	< 0.05					< 0.05	< 0.05	< 0.05	< 0.05				
Metaldehyde	0.1	ug/l	UK DWS	6	< 0.1					0.1	0.4	0.4	< 0.1				
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0	< 0.1					< 0.1	< 0.1	< 0.1	< 0.1				
Chlorbufam	0.1	ug/l	UK DWS	0	< 0.10	< 1.0	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 1.0	< 0.1	< 0.1	< 0.1
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.1	< 0.1	< 0.1	< 0.05	< 0.10	< 0.10	< 0.10		< 0.1	< 0.1	< 0.1	< 0.05
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.10	< 1.0	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 1.0	< 0.1	< 0.1	< 0.1
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.1	< 0.1	< 0.1	< 0.1
Phenmedipham	0.1	ug/l	UK DWS	0	< 0.10	< 0.1	< 0.1	< 0.5	< 0.1	< 0.10	< 0.10	< 0.10		< 0.1	< 0.1	< 0.5	< 0.1
Propham	0.1	ug/l	UK DWS	0	< 0.10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.1	< 0.1	< 0.1	< 0.1
Dimefuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.1	< 0.1	< 0.1	< 0.05	< 0.10	< 0.10	< 0.10		< 0.1	< 0.1	< 0.1	< 0.05
Metoxuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.1	< 0.1	< 0.1	< 0.05	< 0.10	< 0.10	< 0.10		< 0.1	< 0.1	< 0.1	< 0.05
Pencycuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.1	< 0.1	< 0.1	< 0.05	< 0.10	< 0.10	< 0.10		< 0.1	< 0.1	< 0.1	< 0.05
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0	< 0.10					< 0.10	< 0.10	< 0.10					
Diclofop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.05	< 0.02	< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0	< 0.10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1	< 0.1	< 0.1
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1	< 0.1	< 0.1
Ametryn	0.1	ug/l	UK DWS	0	< 0.10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.1	< 0.1	< 0.1	< 0.1
Atrazine-methoxy	0.1	ug/l	UK DWS	0	< 0.10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.1	< 0.1	< 0.1	< 0.1
Bromacil	0.1	ug/l	UK DWS	0	< 0.02	0.0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.05		< 0.02	0.02	< 0.02	< 0.02
Flamprop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Flamprop-isopropyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Prometon	0.1	ug/l	UK DWS	0	< 0.10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.1	< 0.1	< 0.1	< 0.1
Simetryn	0.1	ug/l	UK DWS	0	< 0.10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.1	< 0.1	< 0.1	< 0.1
4-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 1	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 1	< 1	< 1	< 1
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Perylene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0	< 20	< 100	< 100	< 100	< 100	< 20	< 20	< 20		< 100	< 100	< 100	< 100
Carbetamide	100	ng/l	UK DWS	0	< 200.00	< 100	< 100	< 100	< 100	< 20	< 20	< 20		< 100	< 100	< 100	< 100
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	1	< 1.0	< 2	< 2	< 2	< 10	< 1.0	89	< 1.0	< 1.0	< 2	< 2	< 2	< 10
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 1.0	< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 10	< 10
Total phthalates	N/A	mg/l	-	0													
Glycols																	
Ethylene Glycol	0.01	mg/l	Default	0	< 10					< 10	< 10	< 10	< 10				
Diethylene Glycol	0.01	mg/l	Default	0	< 10					< 10	< 10	< 10	< 10				
1,2-Propanediol	0.01	mg/l	Default	0	< 10					< 10	< 10	< 10	< 10				

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					1179545					948968	962833	981283	1000274				
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	43.80	43.65	46.94	46.22	None Supplied	None Supplied	None Supplied	41.35-59.30	43.75	44.30	44.50	44.47
Depth to Bottom					39.42-53.15					None Supplied	None Supplied						
Date Sampled					18/03/2019	07/02/17	15/03/17	06/04/17	16/05/17	24/04/2018	17/05/2018	13/06/2018	12/07/2018	07/02/17	16/03/17	06/04/17	16/05/17
Sample Type												None Supplied	1140				
Rodenticides																	
Triazine Pesticides																	
Atrazine	0.1	ug/l	UK DWS	2	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.1	< 0.1	< 0.1	< 0.1
Simazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.1	< 0.1	< 0.1	< 0.1
Prometryn	0.1	ug/l	UK DWS	0	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.1	< 0.1	< 0.1	< 0.1
Propazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.1	< 0.1	< 0.1	< 0.1
Terbuthylazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.1	< 0.1	< 0.1	< 0.1
Terbutryn	0.1	ug/l	UK DWS	0	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.1	< 0.1	< 0.1	< 0.1
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0	< 0.02					< 0.02	< 0.02	< 0.02					
2,4-D butyl ester	0.1	ug/l	UK DWS	0	< 0.10					< 0.10	< 0.10	< 0.10					
2,4-D ethyl ester	0.1	ug/l	UK DWS	0	< 0.10					< 0.10	< 0.10	< 0.10					
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0	< 0.10					< 0.10	< 0.10	< 0.10					
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0	< 0.10					< 0.10	< 0.10	< 0.10					
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Benazolin	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Clopyralid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.05	< 0.02	< 0.02
Ioxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
2,4-D	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Dicamba	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Dichlorprop	0.1	ug/l	UK DWS	2	< 0.02	0.06	0.04	0.04	< 0.02	0.07	0.06	0.05		< 0.02	< 0.02	< 0.02	< 0.02
MCPA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
MCPB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.05	< 0.02	< 0.02
Mecoprop	0.1	ug/l	UK DWS	29	< 0.02	0.11	0.11	0.06	< 0.02	0.14	0.17	0.16		0.03	0.15	0.23	< 0.02
Picloram	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.01					< 0.01	< 0.01	< 0.01	< 0.01				
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0	< 0.01					< 0.01	< 0.01	< 0.01	< 0.01				
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID					1179545					948968	962833	981283	1000274				
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	43.80	43.65	46.94	46.22	None Supplied	None Supplied	None Supplied	41.35-59.30	43.75	44.30	44.50	44.47
Depth to Bottom					39.42-53.15					None Supplied	None Supplied						
Date Sampled					18/03/2019	07/02/17	15/03/17	06/04/17	16/05/17	24/04/2018	17/05/2018	13/06/2018	12/07/2018	07/02/17	16/03/17	06/04/17	16/05/17
Sample Type												None Supplied	1140				
Trifluralin	0.1	ug/l	UK DWS	0	< 0.01					< 0.01	< 0.01	< 0.01	< 0.01				
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Triclorpyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.01					< 0.01	< 0.01	< 0.01					
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01					< 0.01	< 0.01	< 0.01					
Chlorfenvinphos I	0.1	ug/l	UK DWS	0						< 0.01							
Chlorfenvinphos II	0.1	ug/l	UK DWS	0						< 0.01							
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0						< 0.01							
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01					< 0.01	< 0.01	< 0.01	< 0.01				
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0	< 0.01					< 0.01	< 0.01	< 0.01	< 0.01				
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0	< 10	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 100	< 100	< 100	< 50
Chlortoluron	100	ng/l	UK DWS	0	< 10	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 100	< 100	< 100	< 50
Diflubenzuron	100	ng/l	UK DWS	0	< 10	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 100	< 100	< 100	< 50
Diuron	100	ng/l	UK DWS	13	200	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 100	< 100	< 100	< 50
Linuron	100	ng/l	UK DWS	0	< 10	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 100	< 100	< 100	< 50
Methabenzthiazuron	100	ng/l	UK DWS	0	< 10	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 100	< 100	< 100	< 50
Monolinuron	100	ng/l	UK DWS	0	< 10	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 100	< 100	< 100	< 50
Monuron	100	ng/l	UK DWS	4	35	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 100	< 100	< 100	< 50
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 10	< 11	< 11	< 11	< 11	< 10	< 10	< 10	< 10	< 11	< 11	< 11	< 11
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cypermethrin	100	ng/l	UK DWS	0	< 10	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 10	< 100	< 100	< 100	< 100
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Permethrin	0.1	ug/l	UK DWS	0	< 0.01					< 0.01	< 0.01	< 0.01	< 0.01				
Permethrin	0.1	ug/l	UK DWS	0	< 0.01					< 0.01	< 0.01	< 0.01	< 0.01				
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0	< 10	<10	<10	<10	<10	< 10	< 10	< 10	< 10	<10	<10	<10	<10
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 10	<10	<10	<10	<10	< 10	< 10	< 10	< 10	<10	<10	<10	<10
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	0	< 10	<10	<10	<10	<10	< 10	< 10	< 10	< 10	<10	<10	<10	<10
Chlorophenols																	

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1179545					948968	962833	981283	1000274				
Client Sample No					ARP16-LF-BH03	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH04	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	43.80	43.65	46.94	46.22	None Supplied	None Supplied	None Supplied	41.35-59.30	43.75	44.30	44.50	44.47
Depth to Bottom					39.42-53.15					None Supplied	None Supplied						
Date Sampled					18/03/2019	07/02/17	15/03/17	06/04/17	16/05/17	24/04/2018	17/05/2018	13/06/2018	12/07/2018	07/02/17	16/03/17	06/04/17	16/05/17
Sample Type												None Supplied	1140				
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.05	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.05	< 0.05	< 0.05	< 0.05	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Others																	
Bromoform	0.1	mg/l	WHO	0		< 0.001	< 0.001	< 0.001	< 0.001					< 0.001	< 0.001	< 0.001	< 0.001
Carbon Tetrachloride	0.003	mg/l	UK DWS	0													
Lambda-cyhalothrin	0.1	ug/l	UK DWS	0													
Methane	N/A	ug/l	-	0	2	2	< 2	< 1	< 1					1	< 1	< 1	8

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	951126	962359	983106	999560	1022636	1054027	1074200	1095806	1108238	1165089	1180861		
Client Sample No					ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH10	ARP16-LF-BH10
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	None Supplied	None Supplied	40.46-57.05	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	29.65	31.00
Depth to Bottom					None Supplied	None Supplied								44.16-57.00	43.60-58.40		
Date Sampled					26/04/2018	16/05/2018	14/06/2018	11/07/2018	13/08/2018	26/09/2018	22/10/2018	20/11/2018	05/12/2018	26/02/2019	19/03/2019	09/02/17	16/03/17
Sample Type					None Supplied		None Supplied	1245	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-		6.6	6.6	6.7	6.8	6.8	6.6	6.7	6.8	6.8	6.8	6.9		
Total Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	8
Complex Cyanides	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5
Free Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5
Thiocyanate as SCN	50	ug/l	UK DWS	2	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 100	< 100
Sulphate as SO4	250000	ug/l	UK DWS	4	27200	24000	34800	11700	30600	31000	27200	10100	14200	8500	12200	104000	82000
Sulphide	250000	ug/l	UK DWS	0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 100	< 100
Chloride	250	mg/l	UK DWS	4	220	280	260	110	190	220	230	94	110	78	88	57.88	65.01
Fluoride	1500	ug/l	UK DWS	0	130	130	93	93	94	92	130	110	130	110	110	200	160
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	18	< 15	150	70	35	110	140	84	37	130	< 15	33	< 20	< 20
Nitrate as N	11.3	mg/l	UK DWS	8	0.55	0.01	0.02	1.72	0.01	0.02	0.07	2.54	2.07	2.22	2.22		
Nitrate as NO3	50	mg/l	UK DWS	9	2.44	0.05	0.11	7.63	0.05	0.11	0.32	11.3	9.18	9.84	9.84	0.84	12.09
Nitrite as N	160	ug/l	UK DWS	0	< 1.0	15	2.2	< 1.0	6.8	14	9.3	3.2	8.2	5.8	10		
Nitrite as NO2	500	ug/l	UK DWS	2	< 5.0	50	7.3	< 5.0	22	45	31	10	27	19	33	210	< 100
Alkalinity	N/A	mg/l	-	0	760	820	820	620	680	540	610	330	530	360	660	248	374
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	23	27	54	9.2	32	23	11	5.9	< 2.0	12	31	16	10
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	1.9	1.2	1.3	1.1	1	1	< 1.0	< 1.0	14	2.1	< 1.0	5	4
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	9	0.6	< 0.3	< 0.3	1.7	< 0.3	< 0.3	< 0.3	2.5	2.1	2.2	2.2	0.3	2.7
Total Suspended Solids	N/A	mg/l	-	0	150	370	< 2.0	24	120	42	8	30	55	24	140	10349	532
Hardness - Total	N/A	mg/l	-	0	686	668	786	430	687	851	685	560	566	565	543	255	550
Bromide	N/A	mg/l	-	0	1.6	1.6	4.3	0.72	1.6	1.6	2	0.8	1.3	0.56	0.65		
Bromate	0.01	mg/l	UK DWS	0	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002		
Phenols																	
Catechol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Resorcinol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 10
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Cresols	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 10
Naphthols	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Isopropylphenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Phenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 10
Trimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	0.1	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	0.0063	ug/l	FEQS	8	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01	< 0.01
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01	< 0.01
Heavy metals and metalloids																	

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					951126	962359	983106	999560	1022636	1054027	1074200	1095806	1108238	1165089	1180861		
Client Sample No					ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH10	ARP16-LF-BH10
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	None Supplied	None Supplied	40.46-57.05	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	29.65	31.00
Depth to Bottom					None Supplied	None Supplied								44.16-57.00	43.60-58.40		
Date Sampled					26/04/2018	16/05/2018	14/06/2018	11/07/2018	13/08/2018	26/09/2018	22/10/2018	20/11/2018	05/12/2018	26/02/2019	19/03/2019	09/02/17	16/03/17
Sample Type					None Supplied		None Supplied	1245	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Antimony	5	ug/l	UK DWS	0	< 0.4	< 0.4	< 0.4	< 0.4	0.5	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 1	< 1
Arsenic	10	ug/l	UK DWS	0	1.41	2.33	1.39	0.17	1.09	1.7	1.26	0.27	0.55	0.3	0.75	< 1	< 1
Barium	700	ug/l	WHO	0	270	230	180	130	240	77	160	130	110	130	110		
Beryllium	4	ug/l	USEPA	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 1	< 1
Boron	1000	ug/l	UK DWS	7	300	390	460	180	300	320	320	100	140	110	110		
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	0.03	0.07	0.06	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.2	< 0.2
Calcium	N/A	mg/l	-	0	270	260	310	170	270	330	270	220	220	220	210	83.0	196.0
Chromium VI	3.4	ug/l	FEQS	0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10
Chromium III	4.7	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	1.6	< 1.0	1	< 1.0	< 1.0	1.1	< 1.0	< 1.0		
Chromium Total	50	ug/l	UK DWS	0	< 0.2	0.3	0.9	1.6	0.2	1	0.6	0.7	1.1	0.9	0.6	4.0	< 1
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	4.4		3.7	0.6	6.3	2.3	0.7	2.1	2.6	29	1.6	< 1	< 1
Iron	0.2	mg/l	UK DWS	9	0.15	0.42	0.054	0.009	0.055	0.22	0.4	0.005	0.29	0.42	0.7	< 0.01	0.011
Lead	10	ug/l	UK DWS	0	< 0.2	< 0.2	0.9	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.3	0.3	< 0.2	< 1	< 1
Magnesium	N/A	mg/l	-	0	4.8	4.7	5.3	2.5	4.3	4.8	4.1	2.6	3.2	2.5	2.8	12.0	12.0
Manganese (bioavailable)	50	ug/l	UK DWS	50	570	830	670	48	320	330	230	34	63	35	49	77.0	122.0
Mercury	1	ug/l	UK DWS	3	0.08	< 0.05	1.46	0.46	< 0.05	0.48	0.29	1.12	< 0.05	< 0.05	3.9	< 0.1	< 0.1
Molybdenum	70	ug/l	WHO	0	< 0.05	0.33	0.38	0.07	0.22	0.36	0.15	0.07	0.11	0.08	< 0.05		
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	4	22	23	20	5.2	25	19	16	3.8	6	3.6	4.8	3.0	4.0
Potassium	N/A	mg/l	-	0	1.9	0.9	1.1	1	0.87	1.1	1	1	1.3	0.85	1.1	3.0	3.0
Selenium	10	ug/l	UK DWS	2	5	5	3.3	1.8	5.7	11	2.4	3	3.2	< 0.6	< 0.6	6.0	< 1
Sodium	50	mg/l	WHO	25	49	68	56	20	51	49	46	18	23	15	21	69.0	45.0
Vanadium	20	ug/l	FEQS	0	0.2	< 0.2	0.5	0.5	< 0.2	< 0.2	< 0.2	0.4	0.4	0.4	0.6	< 1	< 1
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	7.8	5.6	15	4.4	6.8	4.5	4.2	14	7.2	10	2.9	2.0	7.0
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0												< 5	< 5
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5
TPH >C21-C35 Aliphatics	300	ug/l	WHO	2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5
C5-C35 Aliphatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
TPH >C8-C9 Aromatics	300	ug/l	WHO	0													
TPH >C9-C10 Aromatics	300	ug/l	WHO	0													
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
TPH >C35-C44 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	951126	962359	983106	999560	1022636	1054027	1074200	1095806	1108238	1165089	1180861		
Client Sample No					ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH10	ARP16-LF-BH10
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	None Supplied	None Supplied	40.46-57.05	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	29.65	31.00
Depth to Bottom					None Supplied	None Supplied								44.16-57.00	43.60-58.40		
Date Sampled					26/04/2018	16/05/2018	14/06/2018	11/07/2018	13/08/2018	26/09/2018	22/10/2018	20/11/2018	05/12/2018	26/02/2019	19/03/2019	09/02/17	16/03/17
Sample Type					None Supplied		None Supplied	1245	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10
Chloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Bromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Vinyl Chloride	0.5	ug/l	UK DWS	15	< 1.0	7.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	3.3	< 1.0	< 1.0	< 1.0	< 1.0	3.6	6.3	5.7	< 1.0	< 1.0	< 1	< 1
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,1 -Dichloroethane	3	ug/l	UK DWS	4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
2,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Trichloromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,2-Dichloroethane	3	ug/l	UK DWS	11	< 1.0	4.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 2
1,1-Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Tetrachloromethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Trichloroethene	10	ug/l	UK DWS	24	< 1.0	< 1.0	< 1.0	8.4	< 1.0	< 1.0	2.8	16.3	15.8	17.3	15.5	< 1	< 1
Dibromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Bromodichloromethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,3-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Dibromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 3
Tetrachloroethene	10	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Chlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
m,p-Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Styrene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Tribromomethane	10	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
o-Xylene	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Bromobenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
2-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
4-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 2
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					951126	962359	983106	999560	1022636	1054027	1074200	1095806	1108238	1165089	1180861		
Client Sample No					ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH10	ARP16-LF-BH10
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	None Supplied	None Supplied	40.46-57.05	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	29.65	31.00
Depth to Bottom					None Supplied	None Supplied								44.16-57.00	43.60-58.40		
Date Sampled					26/04/2018	16/05/2018	14/06/2018	11/07/2018	13/08/2018	26/09/2018	22/10/2018	20/11/2018	05/12/2018	26/02/2019	19/03/2019	09/02/17	16/03/17
Sample Type					None Supplied		None Supplied	1245	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
n-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 2
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 3
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
2,6 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
4,2 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
4,3 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
2,4 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
2,5 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 3
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
Bromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 5
Dichloromethane	20	ug/l	FEQS	0	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 3.0	< 3.0	< 5	< 5
Carbon disulphide	10	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
2-Chlorophenol	50	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
2-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
Hexachloroethane	40	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
Nitrobenzene	1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
4-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
Isophorone	7000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
2-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
Bis(2-chloroethoxy)methane	10	ug/l	Default	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
2-Methylnaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
2-Chloronaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
Dimethylphthalate	800	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
Dibenzofuran	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
Diethyl phthalate	200	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
Bromophenyl phenyl ether	10	ug/l	Default	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
Hexachlorobenzene	1	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		
Carbazole	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 81	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 105	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					951126	962359	983106	999560	1022636	1054027	1074200	1095806	1108238	1165089	1180861		
Client Sample No					ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH10	ARP16-LF-BH10
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	None Supplied	None Supplied	40.46-57.05	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	29.65	31.00
Depth to Bottom					None Supplied	None Supplied								44.16-57.00	43.60-58.40		
Date Sampled					26/04/2018	16/05/2018	14/06/2018	11/07/2018	13/08/2018	26/09/2018	22/10/2018	20/11/2018	05/12/2018	26/02/2019	19/03/2019	09/02/17	16/03/17
Sample Type					None Supplied		None Supplied	1245	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
	Screening value	**Units**	**Screening standard**	**Number of Exceedances**													
PCB Congener 114	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 118	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 123	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 126	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 156	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 157	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 167	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 169	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 189	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCBs	25	ug/l	FEQS	0	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300		
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	0	< 0.05	< 0.05	0.15	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0	< 0.05	< 0.05	0.13	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
Metaldehyde	0.1	ug/l	UK DWS	6	0.1	0.4	0.1	< 0.1		0.2	0.2	0.1	< 0.1	< 0.1	< 0.2		
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		
Chlorbufam	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.1
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.1
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1
Phenmedipham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1
Propham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1
Dimefuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1
Metoxuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.2	< 0.1	< 0.1
Pencycuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		
Diclofop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1
Ametryn	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	
Atrazine-methoxy	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1
Bromacil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	0.05		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	
Flamprop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Flamprop-isopropyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Prometon	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1
Simetryn	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1
4-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Perylene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0	< 20	< 20	< 20		< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 100	< 100
Carbetamide	100	ng/l	UK DWS	0	< 20	< 20	< 20		< 20	< 20	< 20	< 20	< 20	< 20	< 200.00	< 100	< 100
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 2
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10
Total phthalates	N/A	mg/l	-	0													
Glycols																	
Ethylene Glycol	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Diethylene Glycol	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
1,2-Propanediol	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					951126	962359	983106	999560	1022636	1054027	1074200	1095806	1108238	1165089	1180861		
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH10	ARP16-LF-BH10
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	None Supplied	None Supplied	40.46-57.05	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	29.65	31.00
Depth to Bottom					None Supplied	None Supplied								44.16-57.00	43.60-58.40		
Date Sampled					26/04/2018	16/05/2018	14/06/2018	11/07/2018	13/08/2018	26/09/2018	22/10/2018	20/11/2018	05/12/2018	26/02/2019	19/03/2019	09/02/17	16/03/17
Sample Type					None Supplied		None Supplied	1245	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Rodenticides																	
Triazine Pesticides																	
Atrazine	0.1	ug/l	UK DWS	2	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1
Simazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1
Prometryn	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1
Propazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1
Terbuthylazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1
Terbutryn	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		
2,4-D butyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		
2,4-D ethyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	0.070	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Benazolin	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Clopyralid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Ioxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4-D	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Dicamba	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	0.110	< 0.02	0.020	< 0.02	< 0.02	< 0.02	< 0.02
Dichlorprop	0.1	ug/l	UK DWS	2	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
MCPA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
MCPB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Mecoprop	0.1	ug/l	UK DWS	29	0.32	0.34	0.33		0.35	0.4	0.37	0.27	< 0.02	0.3	0.23	< 0.02	< 0.02
Picloram	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					951126	962359	983106	999560	1022636	1054027	1074200	1095806	1108238	1165089	1180861		
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH10	ARP16-LF-BH10
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	None Supplied	None Supplied	40.46-57.05	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	29.65	31.00
Depth to Bottom					None Supplied	None Supplied								44.16-57.00	43.60-58.40		
Date Sampled					26/04/2018	16/05/2018	14/06/2018	11/07/2018	13/08/2018	26/09/2018	22/10/2018	20/11/2018	05/12/2018	26/02/2019	19/03/2019	09/02/17	16/03/17
Sample Type					None Supplied		None Supplied	1245	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Trifluralin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Triclorpyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		
Chlorfenvinphos I	0.1	ug/l	UK DWS	0													
Chlorfenvinphos II	0.1	ug/l	UK DWS	0													
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0													
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100	< 100
Chlortoluron	100	ng/l	UK DWS	0	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100	< 100
Diflubenzuron	100	ng/l	UK DWS	0	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100	< 100
Diuron	100	ng/l	UK DWS	13	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100	< 100
Linuron	100	ng/l	UK DWS	0	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100	< 100
Methabenzthiazuron	100	ng/l	UK DWS	0	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100	< 100
Monolinuron	100	ng/l	UK DWS	0	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100	< 100
Monuron	100	ng/l	UK DWS	4	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100	< 100
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100.0	< 10	< 10
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11	< 11
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cypermethrin	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100	< 100
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	<10	<10
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	<10	<10
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	<10	<10
Chlorophenols																	

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	951126	962359	983106	999560	1022636	1054027	1074200	1095806	1108238	1165089	1180861		
Client Sample No					ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-CP-BH08	ARP16-CP-BH08	ARP16-LF-BH08	ARP16-LF-BH08	ARP16-LF-BH10	ARP16-LF-BH10
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	None Supplied	None Supplied	40.46-57.05	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	29.65	31.00
Depth to Bottom					None Supplied	None Supplied								44.16-57.00	43.60-58.40		
Date Sampled					26/04/2018	16/05/2018	14/06/2018	11/07/2018	13/08/2018	26/09/2018	22/10/2018	20/11/2018	05/12/2018	26/02/2019	19/03/2019	09/02/17	16/03/17
Sample Type					None Supplied		None Supplied	1245	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.00002	
Others																	
Bromoform	0.1	mg/l	WHO	0												< 0.001	< 0.001
Carbon Tetrachloride	0.003	mg/l	UK DWS	0													
Lambda-cyhalothrin	0.1	ug/l	UK DWS	0													
Methane	N/A	ug/l	-	0										< 0.1	< 0.1	2	2

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID						945423	962360	983107	1000277	1021410	1055394	1075118	1095807	1111111	1137546	1165091	1180862
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10
Client Sample ID						None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Depth to Top					31.09	None Supplied	None Supplied	None Supplied	27.38-50.58	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	48	None Supplied	None Supplied
Depth to Bottom						None Supplied	None Supplied									30.65-50.16	30.71-50.41
Date Sampled					17/05/17	18/04/2018	16/05/2018	15/06/2018	12/07/2018	10/08/2018	27/09/2018	24/10/2018	20/11/2018	06/12/2018	22/01/2019	26/02/2019	19/03/2019
Sample Type								None Supplied	1000	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-			6.8	6.7	6.8	6.7	6.7	6.8	6.9	7.4	6.8	6.9	6.9	6.8
Total Cyanide	50	ug/l	UK DWS	0	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	12	< 10	< 10	< 10	< 10
Complex Cyanides	50	ug/l	UK DWS	0	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	12	< 10	< 10	< 10	< 10
Free Cyanide	50	ug/l	UK DWS	0	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thiocyanate as SCN	50	ug/l	UK DWS	2	< 100	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	210	< 200	< 200	< 200
Sulphate as SO4	250000	ug/l	UK DWS	4	77000	189000	104000	123000	131000	110000	100000	117000	6990	86400	61900	54800	72000
Sulphide	250000	ug/l	UK DWS	0	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloride	250	mg/l	UK DWS	4	72	37	48	61	59	60	62	51	86	65	63	54	61
Fluoride	1500	ug/l	UK DWS	0	370	140	230	180	180	170	86	340	180	160	240	200	180
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	18	40	32	41	200	27	33	230	29	220	41	16	27	21
Nitrate as N	11.3	mg/l	UK DWS	8		19.9	14.7	16.8	13.5	15.7	11.2	10.6	0.88	12.7	10.1	12	13
Nitrate as NO3	50	mg/l	UK DWS	9	31.27	88.3	65.1	74.3	60	69.4	49.6	46.8	3.9	56.2	44.6	53.3	57.6
Nitrite as N	160	ug/l	UK DWS	0		4	37	29	33	29	28	9.2	4	15	15	18	22
Nitrite as NO2	500	ug/l	UK DWS	2	860	13	120	95	110	94	91	30	13	50	50	60	72
Alkalinity	N/A	mg/l	-	0	380	720	740	750	630	700	440	620	180	640	360	330	670
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	25	9.3	11	4.9	8.8	2.4	16	16	6.5	< 2.0	19	6.9	26
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	3	< 1.0	< 1.0	< 1.0	< 1.0	1.4	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	9	7.3	20	15	17	14	16	11	11	0.9	13	10	12	13
Total Suspended Solids	N/A	mg/l	-	0	13125	1300	1100	120	920	2000	1400	1200	46	550	240	200	1200
Hardness - Total	N/A	mg/l	-	0	595	629	467	633	786	602	646	592	261	604	501	504	561
Bromide	N/A	mg/l	-	0		0.28	0.22	0.41	0.34	0.45	0.4	0.38	0.091	0.33	0.06	0.33	0.35
Bromate	0.01	mg/l	UK DWS	0		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Phenols																	
Catechol	7.7	ug/l	FEQS	0		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Resorcinol	7.7	ug/l	FEQS	0	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Cresols	100	ug/l	FEQS	0	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Naphthols	7.7	ug/l	FEQS	0		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Isopropylphenol	7.7	ug/l	FEQS	0		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Phenol	7.7	ug/l	FEQS	0	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trimethylphenol	100	ug/l	FEQS	0		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	0.1	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	0.0063	ug/l	FEQS	8	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Heavy metals and metalloids																	

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID						945423	962360	983107	1000277	1021410	1055394	1075118	1095807	1111111	1137546	1165091	1180862
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10
Client Sample ID						None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Depth to Top					31.09	None Supplied	None Supplied	None Supplied	27.38-50.58	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	48	None Supplied	None Supplied
Depth to Bottom						None Supplied	None Supplied									30.65-50.16	30.71-50.41
Date Sampled					17/05/17	18/04/2018	16/05/2018	15/06/2018	12/07/2018	10/08/2018	27/09/2018	24/10/2018	20/11/2018	06/12/2018	22/01/2019	26/02/2019	19/03/2019
Sample Type								None Supplied	1000	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Antimony	5	ug/l	UK DWS	0	< 1	0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	0.4	1.1	< 0.4	< 0.4
Arsenic	10	ug/l	UK DWS	0	< 1	0.22	0.26	0.56	0.21	0.19	0.52	< 0.15	0.94	< 0.15	< 0.15	< 0.15	< 0.15
Barium	700	ug/l	WHO	0		98	100	98	95	100	100	90	130	93	88	100	77
Beryllium	4	ug/l	USEPA	0	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron	1000	ug/l	UK DWS	7		210	250	310	250	270	270	230	16	200	210	180	210
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.2	0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.03
Calcium	N/A	mg/l	-	0	218.0	230	180	250	310	230	250	230	100	230	190	200	220
Chromium VI	3.4	ug/l	FEQS	0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium III	4.7	ug/l	FEQS	0		1.7	1.2	1.6	1	1.3	3.7	< 1.0	1.1	< 1.0	< 1.0	1.1	< 1.0
Chromium Total	50	ug/l	UK DWS	0	8.0	1.7	1.2	1.6	1	1.3	3.7	0.7	1.1	0.9	0.6	1.1	1
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	4.0	2.2		4	< 0.5	3.7	< 0.5	5.4	2.3	1.5	2	18	1
Iron	0.2	mg/l	UK DWS	9	0.018	0.039	< 0.004	0.024	< 0.004	< 0.004	0.046	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Lead	10	ug/l	UK DWS	0	< 1	0.7	< 0.2	0.5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.4	0.2
Magnesium	N/A	mg/l	-	0	13.0	11	6	5.2	4.7	4	5.3	5.4	1.9	5.1	4.7	4.2	4.3
Manganese (bioavailable)	50	ug/l	UK DWS	50	163.0	8.6	8.8	13	6.9	11	12	8.8	200	4.2	3	3.5	8.2
Mercury	1	ug/l	UK DWS	3	< 0.1	< 0.05	< 0.05	0.07	< 0.05	< 0.05	< 0.05	< 0.05	0.31	< 0.05	< 0.05	< 0.05	0.57
Molybdenum	70	ug/l	WHO	0		< 0.05	0.39	0.83	0.21	4.1	1.5	< 0.05	0.15	0.27	0.11	0.27	2.4
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	4	4.0	3	2.4	1.6	1.5	2.6	1.6	1	4.5	1.3	1.7	1.2	1.2
Potassium	N/A	mg/l	-	0	3.0	3.6	1.9	1.5	1.3	1.5	1.5	1.5	3.7	1.4	1.3	1	1.2
Selenium	10	ug/l	UK DWS	2	< 1	11	2.8	1.6	1.4	1.8	3.2	1.2	0.6	2.9	2.4	0.8	< 0.6
Sodium	50	mg/l	WHO	25	39.0	90	40	38	37	44	30	41	33	35	30	25	32
Vanadium	20	ug/l	FEQS	0	< 1	0.3	< 0.2	0.5	< 0.2	< 0.2	0.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.4
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	23.0	5.1	2.9	8.6	3.6	9.4	0.6	2.7	4.1	2.3	3.7	6.2	1.5
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes	30	ug/l	FEQS	0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum hydrocarbons															< 1.0		
TPH	N/A	ug/l	-	0	< 5												
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C21-C35 Aliphatics	300	ug/l	WHO	2	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	1		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
C5-C35 Aliphatics	N/A	ug/l	-	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C9 Aromatics	300	ug/l	WHO	0													
TPH >C9-C10 Aromatics	300	ug/l	WHO	0													
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12 Aromatics	90	ug/l	WHO	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aromatics	90	ug/l	WHO	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C16-C21 Aromatics	90	ug/l	WHO	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C21-C35 Aromatics	90	ug/l	WHO	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C35-C44 Aromatics	90	ug/l	WHO	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID						945423	962360	983107	1000277	1021410	1055394	1075118	1095807	1111111	1137546	1165091	1180862
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10
Client Sample ID						None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Depth to Top					31.09	None Supplied	None Supplied	None Supplied	27.38-50.58	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	48	None Supplied	None Supplied
Depth to Bottom						None Supplied	None Supplied									30.65-50.16	30.71-50.41
Date Sampled					17/05/17	18/04/2018	16/05/2018	15/06/2018	12/07/2018	10/08/2018	27/09/2018	24/10/2018	20/11/2018	06/12/2018	22/01/2019	26/02/2019	19/03/2019
Sample Type								None Supplied	1000	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
C5-C35 Aromatics	N/A	ug/l	-	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
C5-C35 Aromatics	N/A	ug/l	-	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	3	ug/l	UK DWS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	100	ug/l	UK DWS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	0.5	ug/l	UK DWS	15	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1 -Dichloroethane	3	ug/l	UK DWS	4	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	2.5	ug/l	FEQS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	3	ug/l	UK DWS	11	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	20	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	1	ug/l	UK DWS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	3	ug/l	UK DWS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	10	ug/l	UK DWS	24	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	100	ug/l	UK DWS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	100	ug/l	UK DWS	0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	40	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	100	ug/l	WHO	0	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	10	ug/l	UK DWS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylenes	30	ug/l	FEQS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	20	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	10	ug/l	Default	0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	30	ug/l	FEQS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	1	ug/l	UK DWS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Propylbenzene	1	ug/l	UK DWS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	1	ug/l	UK DWS	0	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID						945423	962360	983107	1000277	1021410	1055394	1075118	1095807	1111111	1137546	1165091	1180862
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10
Client Sample ID						None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Depth to Top					31.09	None Supplied	None Supplied	None Supplied	27.38-50.58	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	48	None Supplied	None Supplied
Depth to Bottom						None Supplied	None Supplied									30.65-50.16	30.71-50.41
Date Sampled					17/05/17	18/04/2018	16/05/2018	15/06/2018	12/07/2018	10/08/2018	27/09/2018	24/10/2018	20/11/2018	06/12/2018	22/01/2019	26/02/2019	19/03/2019
Sample Type								None Supplied	1000	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,6 Chloronitrotoluene	700	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4,2 Chloronitrotoluene	700	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4,3 Chloronitrotoluene	700	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4 Chloronitrotoluene	700	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,5 Chloronitrotoluene	700	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	100	ug/l	WHO	0	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane	20	ug/l	FEQS	0	< 5	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 3.0	< 3.0
Carbon disulphide	10	ug/l	Default	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	50	ug/l	FEQS	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	100	ug/l	FEQS	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachloroethane	40	ug/l	USEPA	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	1	ug/l	UK DWS	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	100	ug/l	FEQS	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Isophorone	7000	ug/l	USEPA	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	10	ug/l	Default	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	2	ug/l	FEQS	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chloronaphthalene	2	ug/l	FEQS	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dimethylphthalate	800	ug/l	FEQS	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenzofuran	2	ug/l	FEQS	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Diethyl phthalate	200	ug/l	FEQS	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	10	ug/l	Default	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	1	ug/l	USEPA	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	2	ug/l	FEQS	0		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Carbazole	2	ug/l	FEQS	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 81	25	ug/l	FEQS	0		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 105	25	ug/l	FEQS	0		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID						945423	962360	983107	1000277	1021410	1055394	1075118	1095807	1111111	1137546	1165091	1180862
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10
Client Sample ID						None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Depth to Top					31.09	None Supplied	None Supplied	None Supplied	27.38-50.58	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	48	None Supplied	None Supplied
Depth to Bottom						None Supplied	None Supplied									30.65-50.16	30.71-50.41
Date Sampled					17/05/17	18/04/2018	16/05/2018	15/06/2018	12/07/2018	10/08/2018	27/09/2018	24/10/2018	20/11/2018	06/12/2018	22/01/2019	26/02/2019	19/03/2019
Sample Type								None Supplied	1000	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
PCB Congener 114	25	ug/l	FEQS	0		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 118	25	ug/l	FEQS	0		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 123	25	ug/l	FEQS	0		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 126	25	ug/l	FEQS	0		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 156	25	ug/l	FEQS	0		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 157	25	ug/l	FEQS	0		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 167	25	ug/l	FEQS	0		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 169	25	ug/l	FEQS	0		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 189	25	ug/l	FEQS	0		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCBs	25	ug/l	FEQS	0		< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	0		0.09	0.18	0.06	0.08	0.15	0.19	0.14	< 0.05	0.1	0.17	0.15	0.09
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0		0.13	0.14	0.14	0.14	0.15	0.16	0.13	< 0.05	0.09	0.09	0.09	0.17
Metaldehyde	0.1	ug/l	UK DWS	6		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chlorbufam	0.1	ug/l	UK DWS	0	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.05	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenmedipham	0.1	ug/l	UK DWS	0	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Propham	0.1	ug/l	UK DWS	0	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dimefuron	0.1	ug/l	UK DWS	0	< 0.05	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Metoxuron	0.1	ug/l	UK DWS	0	< 0.05	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.2
Pencycuron	0.1	ug/l	UK DWS	0	< 0.05	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Diclofop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Ametryn	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Atrazine-methoxy	0.1	ug/l	UK DWS	0	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromacil	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	0.05		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Flamprop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Flamprop-isopropyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Prometon	0.1	ug/l	UK DWS	0	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Simetryn	0.1	ug/l	UK DWS	0	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Perylene	2	ug/l	FEQS	0		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0	< 100	< 20	< 20	< 20		< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Carbetamide	100	ng/l	UK DWS	0	< 100	< 20	< 20	< 20		< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 200.00
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	1	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total phthalates	N/A	mg/l	-	0													
Glycols																	
Ethylene Glycol	0.01	mg/l	Default	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Diethylene Glycol	0.01	mg/l	Default	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Propanediol	0.01	mg/l	Default	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID						945423	962360	983107	1000277	1021410	1055394	1075118	1095807	1111111	1137546	1165091	1180862
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10
Client Sample ID						None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Depth to Top					31.09	None Supplied	None Supplied	None Supplied	27.38-50.58	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	48	None Supplied	None Supplied
Depth to Bottom						None Supplied	None Supplied									30.65-50.16	30.71-50.41
Date Sampled					17/05/17	18/04/2018	16/05/2018	15/06/2018	12/07/2018	10/08/2018	27/09/2018	24/10/2018	20/11/2018	06/12/2018	22/01/2019	26/02/2019	19/03/2019
Sample Type								None Supplied	1000	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Rodenticides																	
Triazine Pesticides																	
Atrazine	0.1	ug/l	UK DWS	2	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Simazine	0.1	ug/l	UK DWS	0	< 0.1	0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Prometryn	0.1	ug/l	UK DWS	0	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Propazine	0.1	ug/l	UK DWS	0	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Terbuthylazine	0.1	ug/l	UK DWS	0	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Terbutryn	0.1	ug/l	UK DWS	0	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4-D butyl ester	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,4-D ethyl ester	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Benazolin	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Clopyralid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Ioxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4-D	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Dicamba	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Dichlorprop	0.1	ug/l	UK DWS	2	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
MCPA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
MCPB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Mecoprop	0.1	ug/l	UK DWS	29	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Picloram	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID						945423	962360	983107	1000277	1021410	1055394	1075118	1095807	1111111	1137546	1165091	1180862
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10
Client Sample ID						None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Depth to Top					31.09	None Supplied	None Supplied	None Supplied	27.38-50.58	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	48	None Supplied	None Supplied
Depth to Bottom						None Supplied	None Supplied									30.65-50.16	30.71-50.41
Date Sampled					17/05/17	18/04/2018	16/05/2018	15/06/2018	12/07/2018	10/08/2018	27/09/2018	24/10/2018	20/11/2018	06/12/2018	22/01/2019	26/02/2019	19/03/2019
Sample Type								None Supplied	1000	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Trifluralin	0.1	ug/l	UK DWS	0		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Triclorpyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos	0.1	ug/l	UK DWS	0		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos I	0.1	ug/l	UK DWS	0		< 0.01											
Chlorfenvinphos II	0.1	ug/l	UK DWS	0		< 0.01											
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0		< 0.01											
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chlortoluron	100	ng/l	UK DWS	0	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Diflubenzuron	100	ng/l	UK DWS	0	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Diuron	100	ng/l	UK DWS	13	< 50	< 10	< 10	< 10		< 10	< 10	< 10	210	< 10	< 10	< 10	< 10
Linuron	100	ng/l	UK DWS	0	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methabenzthiazuron	100	ng/l	UK DWS	0	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Monolinuron	100	ng/l	UK DWS	0	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Monuron	100	ng/l	UK DWS	4	< 50	< 10	< 10	< 10		< 10	< 10	< 10	57.000	< 10	< 10	< 10	< 10
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	I/S	< 10	< 10	< 10	< 10	< 10	< 100.0
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 11	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cypermethrin	100	ng/l	UK DWS	0	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Permethrin	0.1	ug/l	UK DWS	0		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Permethrin	0.1	ug/l	UK DWS	0		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	0	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chlorophenols																	

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID						945423	962360	983107	1000277	1021410	1055394	1075118	1095807	1111111	1137546	1165091	1180862
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10	ARP16-LF-BH10
Client Sample ID						None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Depth to Top					31.09	None Supplied	None Supplied	None Supplied	27.38-50.58	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	48	None Supplied	None Supplied
Depth to Bottom						None Supplied	None Supplied									30.65-50.16	30.71-50.41
Date Sampled					17/05/17	18/04/2018	16/05/2018	15/06/2018	12/07/2018	10/08/2018	27/09/2018	24/10/2018	20/11/2018	06/12/2018	22/01/2019	26/02/2019	19/03/2019
Sample Type								None Supplied	1000	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.001	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Others																	
Bromoform	0.1	mg/l	WHO	0	< 0.001												
Carbon Tetrachloride	0.003	mg/l	UK DWS	0													
Lambda-cyhalothrin	0.1	ug/l	UK DWS	0													
Methane	N/A	ug/l	-	0	< 2											< 0.1	< 0.1

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario: Water Abstraction: 1000

				Summary													
Lab Sample ID																19507771	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	GW203	GW203	GW203	GW204	GW204	GW204	GW205	GW205	GW205	GW206	GW206	GW206	GW207A
Client Sample ID																	
Depth to Top					41.54	42.5	42.22	44	42.2	43.25	45	42.47	43.39	42.25	43.32	43.68-	38.28
Depth to Bottom					63.28	63.53	64.45	44.0	63.82	64.0	45.0	62.83	62.84	57.78	57.78		61.6
Date Sampled					21/08/2018	11/09/2018	04/10/2018	09/08/2018	13/09/2018	11/10/2018	09/08/2018	13/09/2018	10/10/2018	14/01/2019	13/02/2019	07/03/2019	15/01/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-		7.63	7.37	7.68	7.34	7.15	6.93	7.27	7.04	7.19	6.95	6.88	6.95	6.86
Total Cyanide	50	ug/l	UK DWS	0	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Complex Cyanides	50	ug/l	UK DWS	0	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Free Cyanide	50	ug/l	UK DWS	0	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Thiocyanate as SCN	50	ug/l	UK DWS	2	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Sulphate as SO4	250000	ug/l	UK DWS	4	18300	18200	15900	28300	29300	25200	32700	30600	29800	64600	45000	41400	38400
Sulphide	250000	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	61.5	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloride	250	mg/l	UK DWS	4	108	112	119	144	147	137	122	125	123	361	220	202	251
Fluoride	1500	ug/l	UK DWS	0	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	513	< 500	< 500	< 500	< 500
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	18	913	977	1080	< 200	< 200	< 200	< 200	< 200	< 200	5930	2650	1560	3040
Nitrate as N	11.3	mg/l	UK DWS	8													
Nitrate as NO3	50	mg/l	UK DWS	9	0.634	< 0.3	< 0.3	1.25	1.89	1.17	1.9	0.786	1.2	5.69	4.38	3.69	0.338
Nitrite as N	160	ug/l	UK DWS	0													
Nitrite as NO2	500	ug/l	UK DWS	2	< 50	< 50	< 50	1040	< 50	109	124	< 50	86	< 50	63	59	< 50
Alkalinity	N/A	mg/l	-	0	415	285	260	525	720	550	575	510	469	865	2350	3290	685
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	30.2	12.3	13	39.5	45.9	28.8	33.2	32	25.3	56.6	35.1	506	-
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	9	0.152	< 0.1	< 0.1	0.599	0.434	0.297	0.468	0.192	0.298	1.3	1.01	0.852	< 0.1
Total Suspended Solids	N/A	mg/l	-	0	277	29.8	27	53.4	266	249	150	81.2	131	525	6360	3510	6.7
Hardness - Total	N/A	mg/l	-	0	735	389	371	897	377	1020	1080	1980	1870	1890	4030	3680	841
Bromide	N/A	mg/l	-	0	0.207	0.202	0.205	0.842	0.871	0.883	0.582	0.765	0.846	2.6	1.66	1.5	1.72
Bromate	0.01	mg/l	UK DWS	0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Phenols																	
Catechol	7.7	ug/l	FEQS	0													
Resorcinol	7.7	ug/l	FEQS	0													
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0													
Cresols	100	ug/l	FEQS	0	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Naphthols	7.7	ug/l	FEQS	0													
Isopropylphenol	7.7	ug/l	FEQS	0	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Phenol	7.7	ug/l	FEQS	0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Trimethylphenol	100	ug/l	FEQS	0	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	0.011	0.0133	< 0.01	< 0.01	0.0129	< 0.01	0.0208	0.312	0.0244	0.0193
Acenaphthylene	2	ug/l	FEQS	0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	< 0.005	< 0.005
Acenaphthene	2000	ug/l	USEPA	0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	< 0.005	< 0.005
Fluorene	2	ug/l	FEQS	0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00638	< 0.1	< 0.005	< 0.005
Phenanthrene	2	ug/l	FEQS	0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00982	0.181	0.0179	0.00787
Anthracene	0.1	ug/l	FEQS	0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	< 0.005	< 0.005
Fluoranthene	0.0063	ug/l	FEQS	8	< 0.005	< 0.005	< 0.005	0.0073	< 0.005	< 0.005	0.00513	0.00747	< 0.005	0.00582	< 0.1	0.015	< 0.005
Pyrene	2	ug/l	FEQS	0	0.0203	0.00731	0.00834	0.00666	< 0.005	< 0.005	< 0.005	0.0067	< 0.005	0.00843	< 0.1	0.0272	0.00637
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	< 0.005	< 0.005
Chrysene	2	ug/l	FEQS	0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	< 0.005	< 0.005
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	< 0.005	< 0.005
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	< 0.005	< 0.005
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.002	< 0.002	< 0.002	0.00408	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.04	< 0.002	< 0.002
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	< 0.005	< 0.005
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	< 0.005	< 0.005
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.1	< 0.005	< 0.005
Heavy metals and metalloids																	

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario: Water Abstraction: 1000

				Summary													
Lab Sample ID																19507771	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	GW203	GW203	GW203	GW204	GW204	GW204	GW205	GW205	GW205	GW206	GW206	GW206	GW207A
Client Sample ID																	
Depth to Top					41.54	42.5	42.22	44	42.2	43.25	45	42.47	43.39	42.25	43.32	43.68-	38.28
Depth to Bottom					63.28	63.53	64.45	44.0	63.82	64.0	45.0	62.83	62.84	57.78	57.78		61.6
Date Sampled					21/08/2018	11/09/2018	04/10/2018	09/08/2018	13/09/2018	11/10/2018	09/08/2018	13/09/2018	10/10/2018	14/01/2019	13/02/2019	07/03/2019	15/01/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Antimony	5	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Arsenic	10	ug/l	UK DWS	0	0.589	1.77	2.05	< 0.5	0.611	0.683	< 0.5	1.09	< 0.5	0.845	0.868	1.04	1.64
Barium	700	ug/l	WHO	0	126	150	155	271	248	241	180	179	164	652	322	227	443
Beryllium	4	ug/l	USEPA	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron	1000	ug/l	UK DWS	7	37.8	73.3	39.7	363	309	335	276	243	247	4060	1910	1250	899
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Calcium	N/A	mg/l	-	0	48.8	130	119	280	100	247	233	220	208	317	320	284	309
Chromium VI	3.4	ug/l	FEQS	0	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 0.03	< 30
Chromium III	4.7	ug/l	FEQS	0	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 0.03	< 30
Chromium Total	50	ug/l	UK DWS	0	6.52	7.06	6.28	< 1	8.24	6.13	< 1	6.5	8.73	< 1	6.54	7.2	14.2
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	0.715	< 0.3	< 0.3	< 0.3	1.04	< 0.3	< 0.3	1.39	0.683	1.94	1.23	< 0.3	< 0.3
Iron	0.2	mg/l	UK DWS	9	< 0.019	0.0629	0.105	< 0.019	0.0228	0.0835	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	0.679
Lead	10	ug/l	UK DWS	0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Magnesium	N/A	mg/l	-	0	1.75	2.07	1.87	4.32	3.89	3.78	3.29	3.01	2.78	14.2	10.5	8.98	11.4
Manganese (bioavailable)	50	ug/l	UK DWS	50	657	964	915	44.4	< 3	73.1	58.3	51.5	40.6	75.6	43.6	31.6	798
Mercury	1	ug/l	UK DWS	3	< 0.01	< 0.01	< 0.01	0.131	0.118	0.129	0.366	0.107	0.191	0.0974	0.245	0.207	
Molybdenum	70	ug/l	WHO	0	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	4	6.02	9.75	8.15	11.3	5.93	7.82	6.53	6.73	5.61	17.5	13.8	13	23.2
Potassium	N/A	mg/l	-	0	4.47	5.08	5.23	1.09	1.1	0.847	1.32	1.19	1.12	12.2	8.6	6.71	5.29
Selenium	10	ug/l	UK DWS	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50	mg/l	WHO	25	50.8	54.6	54.8	35.5	34.2	37.5	45.5	43.4	41.8	193	98.9	77.7	118
Vanadium	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	1.77	3.15	3.75	12.7	8.48	33.5	5.68	29.3	3.97	8.44	4.92	4.51	10.4
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	30	ug/l	FEQS	0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
MTBE	15	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0													
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	20	131	112	< 10
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	11	< 10	< 10	< 10	< 10	< 10	< 10	11	< 10	30	174	173	< 10
TPH >C21-C35 Aliphatics	300	ug/l	WHO	2	128	< 10	< 10	< 10	31	< 10	24	146	< 10	142	1050	1530	< 10
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	1	139	< 10	< 10	< 10	31	< 10	24	157	< 10	172	1220		< 10
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0													
C5-C35 Aliphatics	N/A	ug/l	-	0												1860	
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0													
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C8-C9 Aromatics	300	ug/l	WHO	0													
TPH >C9-C10 Aromatics	300	ug/l	WHO	0													
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	50	45	< 10
TPH >C35-C44 Aromatics	90	ug/l	WHO	0													

Appendix G

G8 Groundwater Beneath Landfill

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				Summary													
Lab Sample ID																19507771	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	GW203	GW203	GW203	GW204	GW204	GW204	GW205	GW205	GW205	GW206	GW206	GW206	GW207A
Client Sample ID																	
Depth to Top					41.54	42.5	42.22	44	42.2	43.25	45	42.47	43.39	42.25	43.32	43.68-	38.28
Depth to Bottom					63.28	63.53	64.45	44.0	63.82	64.0	45.0	62.83	62.84	57.78	57.78		61.6
Date Sampled					21/08/2018	11/09/2018	04/10/2018	09/08/2018	13/09/2018	11/10/2018	09/08/2018	13/09/2018	10/10/2018	14/01/2019	13/02/2019	07/03/2019	15/01/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
C5-C35 Aromatics	N/A	ug/l	-	0													
C5-C35 Aromatics	N/A	ug/l	-	0													
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Chloride	0.5	ug/l	UK DWS	15	< 1	< 1	< 1	1.27	1.43	2.69	1.58	1.67	1.69	6.95	3.14	1.86	< 1
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0													
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	1.26	1.83	7.95	6.36	8.07	7.28	6.82	7.9	31.1	15.6	8.11	< 1
MTBE	15	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1 -Dichloroethane	3	ug/l	UK DWS	4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	3	ug/l	UK DWS	11	< 1	< 1	< 1	7.44	6.28	7.41	6.28	4.84	5.68	< 1	< 1	< 1	< 1
1,1-Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3.28	2.23	1.23	< 1
Benzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloromethane	3	ug/l	UK DWS	0												< 1	
1,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	10	ug/l	UK DWS	24	< 1	< 1	< 1	4.44	3.62	7.35	4.4	3.81	5.99	11.2	10.3	6.09	< 1
Dibromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	100	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	30	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tribromomethane	10	ug/l	Default	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1
o-Xylene	30	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Propylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario: Water Abstraction: 1000

				Summary													
Lab Sample ID																19507771	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	GW203	GW203	GW203	GW204	GW204	GW204	GW205	GW205	GW205	GW206	GW206	GW206	GW207A
Client Sample ID																	
Depth to Top					41.54	42.5	42.22	44	42.2	43.25	45	42.47	43.39	42.25	43.32	43.68-	38.28
Depth to Bottom					63.28	63.53	64.45	44.0	63.82	64.0	45.0	62.83	62.84	57.78	57.78		61.6
Date Sampled					21/08/2018	11/09/2018	04/10/2018	09/08/2018	13/09/2018	11/10/2018	09/08/2018	13/09/2018	10/10/2018	14/01/2019	13/02/2019	07/03/2019	15/01/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,6 Chloronitrotoluene	700	ug/l	WHO	0													
4,2 Chloronitrotoluene	700	ug/l	WHO	0													
4,3 Chloronitrotoluene	700	ug/l	WHO	0													
2,4 Chloronitrotoluene	700	ug/l	WHO	0													
2,5 Chloronitrotoluene	700	ug/l	WHO	0													
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	100	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichloromethane	20	ug/l	FEQS	0	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Carbon disulphide	10	ug/l	Default	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	4.25	< 1	< 1	< 4	< 1	< 1
2-Chlorophenol	50	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0													
2-Methylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
Hexachloroethane	40	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
Nitrobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
4-Methylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
Isophorone	7000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
2-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
Bis(2-chloroethoxy)methane	10	ug/l	Default	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
2-Methylnaphthalene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
2-Chloronaphthalene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
Dimethylphthalate	800	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
Dibenzofuran	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
Diethyl phthalate	200	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
Bromophenyl phenyl ether	10	ug/l	Default	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
Hexachlorobenzene	1	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
Phenanthrene	2	ug/l	FEQS	0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00982	0.181	0.0179	0.00787
Carbazole	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 81	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 105	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015

Appendix G

G8 Groundwater Beneath Landfill

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				Summary													
Lab Sample ID																19507771	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	GW203	GW203	GW203	GW204	GW204	GW204	GW205	GW205	GW205	GW206	GW206	GW206	GW207A
Client Sample ID																	
Depth to Top					41.54	42.5	42.22	44	42.2	43.25	45	42.47	43.39	42.25	43.32	43.68-	38.28
Depth to Bottom					63.28	63.53	64.45	44.0	63.82	64.0	45.0	62.83	62.84	57.78	57.78		61.6
Date Sampled					21/08/2018	11/09/2018	04/10/2018	09/08/2018	13/09/2018	11/10/2018	09/08/2018	13/09/2018	10/10/2018	14/01/2019	13/02/2019	07/03/2019	15/01/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
PCB Congener 114	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 118	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 123	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 126	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 156	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 157	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 167	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 169	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCB Congener 189	25	ug/l	FEQS	0	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
PCBs	25	ug/l	FEQS	0													
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	0	0.00877	0.00786	0.00806	0.0159	0.0187	0.0175	0.0173	0.0174	0.0191		0.0164	0.0183	0.000833
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0	0.00424	0.00416	0.00439	0.00478	0.00519	0.00426	0.0161	0.0193	0.0184	0.0039	0.00427	0.00756	0.000745
Metaldehyde	0.1	ug/l	UK DWS	6													
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0													
Chlorbufam	0.1	ug/l	UK DWS	0													
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Phenmedipham	0.1	ug/l	UK DWS	0													
Propham	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dimefuron	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Metoxuron	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pencycuron	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Diclofop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.2	< 0.03
Fenvalerate	0.1	ug/l	UK DWS	0													
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Ametryn	0.1	ug/l	UK DWS	0													
Atrazine-methoxy	0.1	ug/l	UK DWS	0												< 0.01	
Bromacil	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Flamprop	0.1	ug/l	UK DWS	0													
Flamprop-isopropyl	0.1	ug/l	UK DWS	0													
Prometon	0.1	ug/l	UK DWS	0													
Simetryn	0.1	ug/l	UK DWS	0													
4-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
Perylene	2	ug/l	FEQS	0													
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 0.01	< 10
Carbetamide	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 0.01	< 10
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	1	< 2	< 2	< 2	< 2	< 2	2.09	< 2	< 2	< 2	< 2	< 8	< 2	< 2
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20	< 5	< 5
Total phthalates	N/A	mg/l	-	0													
Glycols																	
Ethylene Glycol	0.01	mg/l	Default	0													
Diethylene Glycol	0.01	mg/l	Default	0													
1,2-Propanediol	0.01	mg/l	Default	0													

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction 1000

				Summary													
Lab Sample ID																19507771	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	GW203	GW203	GW203	GW204	GW204	GW204	GW205	GW205	GW205	GW206	GW206	GW206	GW207A
Client Sample ID																	
Depth to Top					41.54	42.5	42.22	44	42.2	43.25	45	42.47	43.39	42.25	43.32	43.68-	38.28
Depth to Bottom					63.28	63.53	64.45	44.0	63.82	64.0	45.0	62.83	62.84	57.78	57.78		61.6
Date Sampled					21/08/2018	11/09/2018	04/10/2018	09/08/2018	13/09/2018	11/10/2018	09/08/2018	13/09/2018	10/10/2018	14/01/2019	13/02/2019	07/03/2019	15/01/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Rodenticides																	
Triazine Pesticides																	
Atrazine	0.1	ug/l	UK DWS	2	0.0875	0.102	0.0771	< 0.01	0.0962	< 0.01	0.0399	0.155	0.037	< 0.01	< 0.01	< 0.01	< 0.01
Simazine	0.1	ug/l	UK DWS	0	0.038	0.0387	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	0.0377	< 0.01	< 0.01	< 0.01	< 0.01
Prometryn	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Propazine	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Terbuthylazine	0.1	ug/l	UK DWS	0													
Terbutryn	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0													
2,4-D butyl ester	0.1	ug/l	UK DWS	0													
2,4-D ethyl ester	0.1	ug/l	UK DWS	0													
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0													
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0													
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 5	< 10	< 1
Benazolin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	< 0.02
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 0.05
Clopyralid	0.1	ug/l	UK DWS	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.3	< 0.01
Ioxynil	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 0.02
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 0.1
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 0.05	< 0.1	< 0.01
2,4-D	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 0.01
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.2	< 0.01
Dicamba	0.1	ug/l	UK DWS	1	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.3	< 0.01
Dichlorprop	0.1	ug/l	UK DWS	2	0.035	0.043	0.028	0.015	0.052	< 0.01	< 0.01	< 0.01	< 0.01	0.066	0.33	0.457	< 0.01
MCPA	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 0.2
MCPB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.052	0.081	< 0.02	< 0.02	< 0.02	< 0.2	0.016
Mecoprop	0.1	ug/l	UK DWS	29	0.102	0.332	0.164	0.207	0.212	0.211	0.813	0.645	0.841	0.117	0.492	0.564	< 0.01
Picloram	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.2	< 0.02	< 0.02	< 0.2	< 0.02	< 0.2	< 0.02	< 0.2	< 0.2
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0													
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.06
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.04	< 0.02
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario | Water Abstraction | 1000

				Summary													
Lab Sample ID																19507771	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	GW203	GW203	GW203	GW204	GW204	GW204	GW205	GW205	GW205	GW206	GW206	GW206	GW207A
Client Sample ID																	
Depth to Top					41.54	42.5	42.22	44	42.2	43.25	45	42.47	43.39	42.25	43.32	43.68-	38.28
Depth to Bottom					63.28	63.53	64.45	44.0	63.82	64.0	45.0	62.83	62.84	57.78	57.78		61.6
Date Sampled					21/08/2018	11/09/2018	04/10/2018	09/08/2018	13/09/2018	11/10/2018	09/08/2018	13/09/2018	10/10/2018	14/01/2019	13/02/2019	07/03/2019	15/01/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Trifluralin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 0.2
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.2	< 0.02	< 0.02	< 0.2	< 0.2	< 0.02	< 0.2	< 0.03
Triclorpyr	0.1	ug/l	UK DWS	0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.3	< 0.03
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.04	< 0.02	< 0.02	< 0.04	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.08	< 0.02	< 0.02	< 0.08	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos I	0.1	ug/l	UK DWS	0													
Chlorfenvinphos II	0.1	ug/l	UK DWS	0													
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0													
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 0.01	< 10
Chlortoluron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 0.01	< 10
Diflubenzuron	100	ng/l	UK DWS	0	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 0.02	< 20
Diuron	100	ng/l	UK DWS	13	72	76	81	< 10	< 10	16	16	17	16	< 10	< 10	<10	< 10
Linuron	100	ng/l	UK DWS	0	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 0.02	< 20
Methabenzthiazuron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 0.01	< 10
Monolinuron	100	ng/l	UK DWS	0	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 0.02	< 20
Monuron	100	ng/l	UK DWS	4	63	90	77	24	25	< 20	21	< 20	20	< 20	< 20	<20	< 20
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Cypermethrin	100	ng/l	UK DWS	0	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 0.05	< 50
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	0	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5
Chlorophenols																	

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction 1000

				Summary													
Lab Sample ID																19507771	
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	GW203	GW203	GW203	GW204	GW204	GW204	GW205	GW205	GW205	GW206	GW206	GW206	GW207A
Client Sample ID																	
Depth to Top					41.54	42.5	42.22	44	42.2	43.25	45	42.47	43.39	42.25	43.32	43.68-	38.28
Depth to Bottom					63.28	63.53	64.45	44.0	63.82	64.0	45.0	62.83	62.84	57.78	57.78		61.6
Date Sampled					21/08/2018	11/09/2018	04/10/2018	09/08/2018	13/09/2018	11/10/2018	09/08/2018	13/09/2018	10/10/2018	14/01/2019	13/02/2019	07/03/2019	15/01/2019
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.004	< 1	< 0.001
Others																	
Bromoform	0.1	mg/l	WHO	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 1	< 0.001
Carbon Tetrachloride	0.003	mg/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001
Lambda-cyhalothrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05
Methane	N/A	ug/l	-	0	14.1	368	278	< 2.2	< 2.21	50.6	< 2.2	8.81	3.03	247	< 2.15	49.3	40.5

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary		
Lab Sample ID						19500444
Client Sample No					GW207A	GW207A
Client Sample ID						
Depth to Top					39.99	39.81-
Depth to Bottom					61.6	
Date Sampled					07/02/2019	06/03/2019
Sample Type					None Supplied	None Supplied
Inorganics						
Organics						
General inorganics						
pH	N/A	pH units	-		7.37	6.82
Total Cyanide	50	ug/l	UK DWS	0	< 50	< 50
Complex Cyanides	50	ug/l	UK DWS	0	< 50	< 50
Free Cyanide	50	ug/l	UK DWS	0	< 50	< 50
Thiocyanate as SCN	50	ug/l	UK DWS	2	< 50	< 50
Sulphate as SO4	250000	ug/l	UK DWS	4	31700	19400
Sulphide	250000	ug/l	UK DWS	0	< 10	< 10
Chloride	250	mg/l	UK DWS	4	169	236
Fluoride	1500	ug/l	UK DWS	0	< 500	< 500
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	18	491	1140
Nitrate as N	11.3	mg/l	UK DWS	8		
Nitrate as NO3	50	mg/l	UK DWS	9	3.46	< 0.3
Nitrite as N	160	ug/l	UK DWS	0		
Nitrite as NO2	500	ug/l	UK DWS	2	< 50	< 50
Alkalinity	N/A	mg/l	-	0	565	685
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	21.9	24.2
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	< 1	< 1
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	9	0.794	< 0.1
Total Suspended Solids	N/A	mg/l	-	0	13	17.7
Hardness - Total	N/A	mg/l	-	0	823	1010
Bromide	N/A	mg/l	-	0	1.09	1.57
Bromate	0.01	mg/l	UK DWS	0	< 0.005	< 0.005
Phenols						
Catechol	7.7	ug/l	FEQS	0		
Resorcinol	7.7	ug/l	FEQS	0		
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0		
Cresols	100	ug/l	FEQS	0	< 6	< 6
Naphthols	7.7	ug/l	FEQS	0		
Isopropylphenol	7.7	ug/l	FEQS	0	< 6	< 6
Phenol	7.7	ug/l	FEQS	0	< 2	< 2
Trimethylphenol	100	ug/l	FEQS	0	< 3	< 3
Speciated PAHs						
Naphthalene	2	ug/l	FEQS	0	0.016	0.0175
Acenaphthylene	2	ug/l	FEQS	0	< 0.005	< 0.005
Acenaphthene	2000	ug/l	USEPA	0	< 0.005	< 0.005
Fluorene	2	ug/l	FEQS	0	< 0.005	0.00642
Phenanthrene	2	ug/l	FEQS	0	0.00803	0.0101
Anthracene	0.1	ug/l	FEQS	0	< 0.005	< 0.005
Fluoranthene	0.0063	ug/l	FEQS	8	< 0.005	0.00904
Pyrene	2	ug/l	FEQS	0	< 0.005	0.0101
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.005	< 0.005
Chrysene	2	ug/l	FEQS	0	< 0.005	< 0.005
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.005	< 0.005
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.005	< 0.005
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.002	0.00313
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.005	< 0.005
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.005	< 0.005
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.005	< 0.005
Heavy metals and metalloids						

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary		
Lab Sample ID						19500444
Client Sample No					GW207A	GW207A
Client Sample ID						
Depth to Top					39.99	39.81-
Depth to Bottom					61.6	
Date Sampled					07/02/2019	06/03/2019
Sample Type	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	None Supplied	None Supplied
Antimony	5	ug/l	UK DWS	0	< 1	< 1
Arsenic	10	ug/l	UK DWS	0	0.644	2.06
Barium	700	ug/l	WHO	0	202	382
Beryllium	4	ug/l	USEPA	0	< 0.1	< 0.1
Boron	1000	ug/l	UK DWS	7	511	806
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.08	< 0.08
Calcium	N/A	mg/l	-	0	258	315
Chromium VI	3.4	ug/l	FEQS	0	< 30	< 0.03
Chromium III	4.7	ug/l	FEQS	0	< 30	< 0.03
Chromium Total	50	ug/l	UK DWS	0	< 1	15.2
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	< 0.3	0.683
Iron	0.2	mg/l	UK DWS	9	0.0719	0.177
Lead	10	ug/l	UK DWS	0	0.204	< 0.2
Magnesium	N/A	mg/l	-	0	6.28	8.73
Manganese (bioavailable)	50	ug/l	UK DWS	50	177	370
Mercury	1	ug/l	UK DWS	3	0.371	< 0.01
Molybdenum	70	ug/l	WHO	0	< 3	< 3
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	4	8.6	15.6
Potassium	N/A	mg/l	-	0	3.01	2.7
Selenium	10	ug/l	UK DWS	2	< 1	< 1
Sodium	50	mg/l	WHO	25	69.5	107
Vanadium	20	ug/l	FEQS	0	< 1	< 1
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	7.64	5.29
Monoaromatics						
Benzene	1	ug/l	UK DWS	0	< 1	< 1
Toluene	74	ug/l	FEQS	0	< 1	< 1
Ethylbenzene	20	ug/l	FEQS	0	< 1	< 1
Xylenes	30	ug/l	FEQS	0	< 2	< 2
MTBE	15	ug/l	WHO	0	< 1	< 1
Petroleum hydrocarbons						
TPH	N/A	ug/l	-	0		
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 10	< 10
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 10	< 10
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 10	< 10
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 10	< 10
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 10	< 10
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 10	< 10
TPH >C21-C35 Aliphatics	300	ug/l	WHO	2	< 10	< 10
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	1	< 10	
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0		
C5-C35 Aliphatics	N/A	ug/l	-	0		< 10
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0		
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 10	< 10
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 10	< 10
TPH >C8-C9 Aromatics	300	ug/l	WHO	0		
TPH >C9-C10 Aromatics	300	ug/l	WHO	0		
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 10	<10
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 10	< 10
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 10	< 10
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 10	< 10
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 10	< 10
TPH >C35-C44 Aromatics	90	ug/l	WHO	0		

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G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary		
Lab Sample ID						19500444
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	GW207A	GW207A
Client Sample ID						
Depth to Top					39.99	39.81-
Depth to Bottom					61.6	
Date Sampled					07/02/2019	06/03/2019
Sample Type					None Supplied	None Supplied
C5-C35 Aromatics	N/A	ug/l	-	0		
C5-C35 Aromatics	N/A	ug/l	-	0		
VOCs						
Chloromethane	20	ug/l	FEQS	0	< 1	< 1
Chloroethane	3	ug/l	UK DWS	0	< 1	< 1
Bromomethane	100	ug/l	UK DWS	0	< 1	< 1
Vinyl Chloride	0.5	ug/l	UK DWS	15	< 1	< 1
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1	< 1
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0		
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1
MTBE	15	ug/l	WHO	0	< 1	< 1
1,1 -Dichloroethane	3	ug/l	UK DWS	4	< 1	< 1
2,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1
Trichloromethane	2.5	ug/l	FEQS	0	< 1	< 1
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1	< 1
1,2-Dichloroethane	3	ug/l	UK DWS	11	< 1	< 1
1,1-Dichloropropene	20	ug/l	WHO	0	< 1	< 1
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1
Benzene	1	ug/l	UK DWS	0	< 1	< 1
Tetrachloromethane	3	ug/l	UK DWS	0		< 1
1,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1
Trichloroethene	10	ug/l	UK DWS	24	< 1	< 1
Dibromomethane	100	ug/l	UK DWS	0	< 1	< 1
Bromodichloromethane	100	ug/l	UK DWS	0	< 1	< 1
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1
Toluene	74	ug/l	FEQS	0	< 1	< 1
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1	< 1
1,3-Dichloropropane	40	ug/l	WHO	0	< 1	< 1
Dibromochloromethane	100	ug/l	WHO	0	< 1	< 1
Tetrachloroethene	10	ug/l	UK DWS	0	< 1	< 1
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1	< 1
Chlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1
Ethylbenzene	20	ug/l	FEQS	0	< 1	< 1
m,p-Xylenes	30	ug/l	FEQS	0	< 1	< 1
Styrene	20	ug/l	WHO	0	< 1	< 1
Tribromomethane	10	ug/l	Default	0	< 1	
o-Xylene	30	ug/l	FEQS	0	< 1	< 1
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1	< 1
Bromobenzene	1	ug/l	UK DWS	0	< 1	< 1
Propylbenzene	1	ug/l	UK DWS	0	< 1	< 1
2-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1
4-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1	< 1
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1	< 1

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G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary		
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**		19500444
Client Sample No					GW207A	GW207A
Client Sample ID						
Depth to Top					39.99	39.81-
Depth to Bottom					61.6	
Date Sampled					07/02/2019	06/03/2019
Sample Type					None Supplied	None Supplied
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1	< 1
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1	< 1
n-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1	< 1
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1	< 1
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1	< 1
2,6 Chloronitrotoluene	700	ug/l	WHO	0		
4,2 Chloronitrotoluene	700	ug/l	WHO	0		
4,3 Chloronitrotoluene	700	ug/l	WHO	0		
2,4 Chloronitrotoluene	700	ug/l	WHO	0		
2,5 Chloronitrotoluene	700	ug/l	WHO	0		
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1	< 1
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1
Bromochloromethane	100	ug/l	WHO	0	< 1	< 1
Dichloromethane	20	ug/l	FEQS	0	< 3	< 3
Carbon disulphide	10	ug/l	Default	0	< 1	< 1
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1	< 1
SVOCs						
Phenol	7.7	ug/l	FEQS	0	< 1	< 1
2-Chlorophenol	50	ug/l	FEQS	0	< 1	< 1
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 1	< 1
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0		
2-Methylphenol	100	ug/l	FEQS	0	< 1	< 1
Hexachloroethane	40	ug/l	USEPA	0	< 1	< 1
Nitrobenzene	1	ug/l	UK DWS	0	< 1	< 1
4-Methylphenol	100	ug/l	FEQS	0	< 1	< 1
Isophorone	7000	ug/l	USEPA	0	< 1	< 1
2-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 1	< 1
Bis(2-chloroethoxy)methane	10	ug/l	Default	0	< 1	< 1
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 1	< 1
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 1	< 1
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 1	< 1
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 1	< 1
2-Methylnaphthalene	2	ug/l	FEQS	0	< 1	< 1
2-Chloronaphthalene	2	ug/l	FEQS	0	< 1	< 1
Dimethylphthalate	800	ug/l	FEQS	0	< 1	< 1
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1
Dibenzofuran	2	ug/l	FEQS	0	< 1	< 1
Diethyl phthalate	200	ug/l	FEQS	0	< 1	< 1
Bromophenyl phenyl ether	10	ug/l	Default	0	< 1	< 1
Hexachlorobenzene	1	ug/l	USEPA	0	< 1	< 1
Phenanthrene	2	ug/l	FEQS	0	0.00803	0.0101
Carbazole	2	ug/l	FEQS	0	< 1	< 1
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 1	< 1
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 1	< 1
PCBs by GC-ECD - WHO 12						
PCB Congener 77	25	ug/l	FEQS	0	< 0.015	< 0.015
PCB Congener 81	25	ug/l	FEQS	0	< 0.015	< 0.015
PCB Congener 105	25	ug/l	FEQS	0	< 0.015	< 0.015

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary		
Lab Sample ID						19500444
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	GW207A	GW207A
Client Sample ID						
Depth to Top					39.99	39.81-
Depth to Bottom					61.6	
Date Sampled					07/02/2019	06/03/2019
Sample Type					None Supplied	None Supplied
PCB Congener 114	25	ug/l	FEQS	0	< 0.015	< 0.015
PCB Congener 118	25	ug/l	FEQS	0	< 0.015	< 0.015
PCB Congener 123	25	ug/l	FEQS	0	< 0.015	< 0.015
PCB Congener 126	25	ug/l	FEQS	0	< 0.015	< 0.015
PCB Congener 156	25	ug/l	FEQS	0	< 0.015	< 0.015
PCB Congener 157	25	ug/l	FEQS	0	< 0.015	< 0.015
PCB Congener 167	25	ug/l	FEQS	0	< 0.015	< 0.015
PCB Congener 169	25	ug/l	FEQS	0	< 0.015	< 0.015
PCB Congener 189	25	ug/l	FEQS	0	< 0.015	< 0.015
PCBs	25	ug/l	FEQS	0		
Environmental Forensics						
PFOS	0.3	ug/l	DWS	0	0.00584	0.00219
PFOS	0.3	ug/l	DWS	0		
PFOA	0.3	ug/l	DWS	0	0.00193	0.00135
Metaldehyde	0.1	ug/l	UK DWS	6		
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0		
Chlorbufam	0.1	ug/l	UK DWS	0		
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.05	< 0.05
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.02	< 0.02
Phenmedipham	0.1	ug/l	UK DWS	0		
Propham	0.1	ug/l	UK DWS	0	< 0.05	< 0.05
Dimefuron	0.1	ug/l	UK DWS	0	< 0.02	< 0.02
Metoxuron	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Pencycuron	0.1	ug/l	UK DWS	0	< 0.02	< 0.02
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Diclofop	0.1	ug/l	UK DWS	0	< 0.02	< 0.2
Fenvalerate	0.1	ug/l	UK DWS	0		
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05
Ametryn	0.1	ug/l	UK DWS	0		
Atrazine-methoxy	0.1	ug/l	UK DWS	0		< 0.01
Bromacil	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Flamprop	0.1	ug/l	UK DWS	0		
Flamprop-isopropyl	0.1	ug/l	UK DWS	0		
Prometon	0.1	ug/l	UK DWS	0		
Simetryn	0.1	ug/l	UK DWS	0		
4-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1
Perylene	2	ug/l	FEQS	0		
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1
Carbamates						
Pirimicarb	100	ng/l	UK DWS	0	< 10	< 0.01
Carbetamide	100	ng/l	UK DWS	0	< 10	< 0.01
Phthalates						
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	1	< 2	< 2
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 5	< 5
Total phthalates	N/A	mg/l	-	0		
Glycols						
Ethylene Glycol	0.01	mg/l	Default	0		
Diethylene Glycol	0.01	mg/l	Default	0		
1,2-Propanediol	0.01	mg/l	Default	0		

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary		
Lab Sample ID						19500444
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	GW207A	GW207A
Client Sample ID						
Depth to Top					39.99	39.81-
Depth to Bottom					61.6	
Date Sampled					07/02/2019	06/03/2019
Sample Type					None Supplied	None Supplied
Rodenticides						
Triazine Pesticides						
Atrazine	0.1	ug/l	UK DWS	2	< 0.01	< 0.01
Simazine	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Prometryn	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Propazine	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Terbuthylazine	0.1	ug/l	UK DWS	0		
Terbutryn	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Acid herbicides esters						
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0		
2,4-D butyl ester	0.1	ug/l	UK DWS	0		
2,4-D ethyl ester	0.1	ug/l	UK DWS	0		
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0		
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0		
Acid Herbicides						
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 1	< 10
Benazolin	0.1	ug/l	UK DWS	0	< 0.05	< 0.5
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.01	< 0.1
Clopyralid	0.1	ug/l	UK DWS	0	< 0.03	< 0.3
Ioxynil	0.1	ug/l	UK DWS	0	< 0.01	< 0.1
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.01	< 0.1
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.1	< 0.1
2,4-D	0.1	ug/l	UK DWS	0	< 0.01	< 0.1
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02	< 0.2
Dicamba	0.1	ug/l	UK DWS	1	< 0.03	< 0.3
Dichlorprop	0.1	ug/l	UK DWS	2	< 0.01	< 0.1
MCPA	0.1	ug/l	UK DWS	0	< 0.01	< 0.1
MCPB	0.1	ug/l	UK DWS	0	< 0.02	< 0.2
Mecoprop	0.1	ug/l	UK DWS	29	0.013	< 0.1
Picloram	0.1	ug/l	UK DWS	0	< 0.02	< 0.2
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0		
Organochlorine Pesticides						
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.02	< 0.02
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.02	< 0.02
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary		
Lab Sample ID						19500444
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	GW207A	GW207A
Client Sample ID						
Depth to Top					39.99	39.81-
Depth to Bottom					61.6	
Date Sampled					07/02/2019	06/03/2019
Sample Type					None Supplied	None Supplied
Trifluralin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Organonitrogen pesticides						
Bentazone	0.1	ug/l	UK DWS	0	< 0.01	< 0.1
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.2
Triclorpyr	0.1	ug/l	UK DWS	0	< 0.03	< 0.3
Organophosphorous pesticides						
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Chlorfenvinphos I	0.1	ug/l	UK DWS	0		
Chlorfenvinphos II	0.1	ug/l	UK DWS	0		
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0		
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Phenylurea herbicides						
Isoproturon	100	ng/l	UK DWS	0	< 10	< 0.01
Chlortoluron	100	ng/l	UK DWS	0	< 10	< 0.01
Diflubenzuron	100	ng/l	UK DWS	0	< 20	< 0.02
Diuron	100	ng/l	UK DWS	13	< 10	<10
Linuron	100	ng/l	UK DWS	0	< 20	< 0.02
Methabenzthiazuron	100	ng/l	UK DWS	0	< 10	< 0.01
Monolinuron	100	ng/l	UK DWS	0	< 20	< 0.02
Monuron	100	ng/l	UK DWS	4	< 20	<20
VFAs						
Acetic acid	0.01	mg/l	Default	0	< 10	< 10
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10
Butyric acid	0.01	mg/l	Default	0	< 10	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 11	< 11
Pyrethroids						
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05
Cypermethrin	100	ng/l	UK DWS	0	< 50	< 0.05
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.05	< 0.05
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01
Organotins						
Tributyltin compounds	0.2	ng/l	FEQS	0	< 1	< 1
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 1	< 1
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	0	< 5	< 5
Chlorophenols						

Appendix G

G8 Groundwater Beneath Landfill

Assessment Senario Water Abstraction

				Summary		
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**		19500444
Client Sample No					GW207A	GW207A
Client Sample ID						
Depth to Top					39.99	39.81-
Depth to Bottom					61.6	
Date Sampled					07/02/2019	06/03/2019
Sample Type					None Supplied	None Supplied
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.001	< 1
Others						
Bromoform	0.1	mg/l	WHO	0	< 0.001	< 1
Carbon Tetrachloride	0.003	mg/l	UK DWS	0	< 0.001	
Lambda-cyhalothrin	0.1	ug/l	UK DWS	0	< 0.05	
Methane	N/A	ug/l	-	0	20.2	< 2.25

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID													944697	961488	979300	1020257	1052136
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH11	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12
Client Sample ID													None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					23.00	27.90	28.35	28.35	29.00	28.96	28.89	29.76	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Bottom													None Supplied	None Supplied			
Date Sampled					03/02/17	30/11/16	16/11/16	22/11/16	03/02/17	07/03/17	04/04/17	17/05/17	17/04/2018	15/05/2018	11/06/2018	08/08/2018	24/09/2018
Sample Type															None Supplied	None Supplied	None Supplied
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-										6.8	6.8	6.9	6.9	6.9
Total Cyanide	50	ug/l	UK DWS	0	< 5			< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10
Complex Cyanides	50	ug/l	UK DWS	0				< 5					< 10	< 10	< 10	< 10	< 10
Free Cyanide	50	ug/l	UK DWS	0				< 5					< 10	< 10	< 10	< 10	< 10
Thiocyanate as SCN	50	ug/l	UK DWS	0									< 200	< 200	< 200	< 200	< 200
Sulphate as SO4	250000	ug/l	UK DWS	0	60000				27000	30000	31000	30000	53000	41100	48200	34600	29200
Sulphide	250000	ug/l	UK DWS	0	< 100				< 100	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloride	250	mg/l	UK DWS	0	103				41.92	42.88	43.25	44	72	66	69	71	57
Fluoride	1500	ug/l	UK DWS	0	< 100				< 100	160	140	280	120	120	130	120	69
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	22	2490				< 20	< 20	< 20	30	220	< 15	32	160	220
Nitrate as N	11.3	mg/l	UK DWS	1									7.63	6.06	6.25	5.03	3.8
Nitrate as NO3	50	mg/l	UK DWS	2	34.37				15.2	14.69	4.37	16.15	33.8	26.9	27.7	22.3	16.8
Nitrite as N	160	ug/l	UK DWS	4									6.4	28	23	31	17
Nitrite as NO2	500	ug/l	UK DWS	4	420				< 100	< 100	< 100	< 100	21	93	74	100	56
Alkalinity	N/A	mg/l	-	0	405				329	351	341	302	490	640	620	610	690
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0				10					3.9	6.1	18	15	7.1
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0				1					< 1.0	I/S	< 1.0	< 1.0	< 1.0
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	2	7.9				3.5	3.3	1	3.6	7.6	6.1	6.3	5.1	3.8
Total Suspended Solids	N/A	mg/l	-	0	2353				3612	863	1821	164	60	58	56	150	78
Hardness - Total	N/A	mg/l	-	0	397				408	422	430	413	475	444	440	450	386
Bromide	N/A	mg/l	-	0									0.38	0.34	0.35	0.41	0.37
Bromate	0.01	mg/l	UK DWS	0									< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Phenols																	
Catechol	7.7	ug/l	FEQS	0									< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Resorcinol	7.7	ug/l	FEQS	0				< 10					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0									< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Cresols	100	ug/l	FEQS	0				< 10					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Naphthols	7.7	ug/l	FEQS	0									< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Isopropylphenol	7.7	ug/l	FEQS	0									< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Phenol	7.7	ug/l	FEQS	0				< 10					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trimethylphenol	100	ug/l	FEQS	0									< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	< 0.01	< 1		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	< 0.01	< 1		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 1		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	2	ug/l	FEQS	0	< 0.01	< 1		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 1		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	0.1	ug/l	FEQS	0	< 0.01	< 1		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	0.0063	ug/l	FEQS	0	< 0.01	< 1		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	2	ug/l	FEQS	0	< 0.01	< 1		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 1		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	2	ug/l	FEQS	0	< 0.01	< 1		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 1		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 1		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01	< 1		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.01	< 1		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 1		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.01	< 1		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Heavy metals and metalloids																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID													944697	961488	979300	1020257	1052136
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH11	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12
Client Sample ID													None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					23.00	27.90	28.35	28.35	29.00	28.96	28.89	29.76	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Bottom													None Supplied	None Supplied			
Date Sampled					03/02/17	30/11/16	16/11/16	22/11/16	03/02/17	07/03/17	04/04/17	17/05/17	17/04/2018	15/05/2018	11/06/2018	08/08/2018	24/09/2018
Sample Type															None Supplied	None Supplied	None Supplied
Antimony	5	ug/l	UK DWS	0	< 1				< 1	< 1	< 1	< 1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Arsenic	10	ug/l	UK DWS	0	< 1			< 1	< 1	< 1	< 1	< 1	0.31	0.33	< 0.15	0.43	0.76
Barium	700	ug/l	WHO	0				134					190	190	160	180	160
Beryllium	4	ug/l	USEPA	0	< 1			< 1	< 1	< 1	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron	1000	ug/l	UK DWS	1				158					270	240	270	250	180
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.2			< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Calcium	N/A	mg/l	-	0	153				160	165	168	162	190	170	170	180	150
Chromium VI	3.4	ug/l	FEQS	2				< 10					< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium III	4.7	ug/l	FEQS	0									1.6	1.2	< 1.0	1.3	1
Chromium Total	50	ug/l	UK DWS	0	10			< 1	< 1	< 1	< 1	7	1.6	1.2	0.9	1.3	1
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	3			< 1	< 1	< 1	< 1	< 1	4.8		1.6	9	2.2
Iron	0.2	mg/l	UK DWS	2	0.152				0.022	< 0.01	< 0.01	< 0.01	< 0.004	< 0.004	< 0.004	< 0.004	0.008
Lead	10	ug/l	UK DWS	0	2			< 1	< 1	< 1	< 1	< 1	< 0.2	< 0.2	0.2	< 0.2	< 0.2
Magnesium	N/A	mg/l	-	0	4				2	2	2	2	3	2.6	3.1	2.3	2.2
Manganese (bioavailable)	50	ug/l	UK DWS	26	48				25	21	13	12	13	17	17	52	47
Mercury	1	ug/l	UK DWS	2	< 0.1			< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.56	0.27	0.58	< 0.05	0.23
Molybdenum	70	ug/l	WHO	0									0.18	< 0.05	0.05	1.1	0.09
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	2	4			2	2	2	2	2	6.3	2.3	1.8	6	3.1
Potassium	N/A	mg/l	-	0	3				1	<1	1	2	1.2	1.1	1.3	1.3	1.2
Selenium	10	ug/l	UK DWS	0	1			< 1	< 1	< 1	< 1	< 1	1.6	1.5	3.4	1.4	1.6
Sodium	50	mg/l	WHO	26	44				22	22	23	23	36	38	39	36	27
Vanadium	20	ug/l	FEQS	0	1			< 1	< 1	< 1	< 1	< 1	0.4	0.4	0.4	0.4	0.8
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	18			7	9	2	9	18	2.5	1.7	2.5	4.5	3.8
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes	30	ug/l	FEQS	0									< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0				< 1					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0				< 5					< 1.0				
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0				< 1					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0				1					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0				< 1					< 10	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0				< 5					< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0				< 5					< 10	< 10	< 10	< 10	< 10
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0				< 5					< 10	< 10	< 10	< 10	< 10
TPH >C21-C35 Aliphatics	300	ug/l	WHO	0				< 5					< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	0									< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0									< 10	< 10	< 10	< 10	< 10
C5-C35 Aliphatics	N/A	ug/l	-	0									< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0									< 10	< 10	< 10	< 10	< 10
TPH >C5-C6 Aromatics	10	ug/l	WHO	0				< 1					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C7-C8 Aromatics	700	ug/l	WHO	0				< 1					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C9 Aromatics	300	ug/l	WHO	0				< 1									
TPH >C9-C10 Aromatics	300	ug/l	WHO	0				< 1									
TPH >C8-C10 Aromatics	300	ug/l	WHO	0									< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 5			< 5					< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 5			< 5					< 10	< 10	< 10	< 10	< 10
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 5			< 5					< 10	< 10	< 10	< 10	< 10
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 5			< 5					< 10	< 10	< 10	< 10	< 10
TPH >C35-C44 Aromatics	90	ug/l	WHO	0	< 5								< 10	< 10	< 10	< 10	< 10

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID													944697	961488	979300	1020257	1052136
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH11	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12
Client Sample ID													None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					23.00	27.90	28.35	28.35	29.00	28.96	28.89	29.76	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Bottom													None Supplied	None Supplied			
Date Sampled					03/02/17	30/11/16	16/11/16	22/11/16	03/02/17	07/03/17	04/04/17	17/05/17	17/04/2018	15/05/2018	11/06/2018	08/08/2018	24/09/2018
Sample Type															None Supplied	None Supplied	None Supplied
C5-C35 Aromatics	N/A	ug/l	-	0									< 10	< 10	< 10	< 10	< 10
C5-C35 Aromatics	N/A	ug/l	-	0									< 10	< 10	< 10	< 10	< 10
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 10			< 10	< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	3	ug/l	UK DWS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	100	ug/l	UK DWS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0									< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0				< 1					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1 -Dichloroethane	3	ug/l	UK DWS	0	< 1			1	1	1	1	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	40	ug/l	WHO	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	2.5	ug/l	FEQS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1			< 1	1	1	1	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 2			< 2	< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	20	ug/l	WHO	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	1	ug/l	UK DWS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	3	ug/l	UK DWS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	40	ug/l	WHO	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	10	ug/l	UK DWS	2	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	100	ug/l	UK DWS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	100	ug/l	UK DWS	0	< 10			< 10	< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0									< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	40	ug/l	WHO	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	100	ug/l	WHO	0	< 3			< 3	< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	10	ug/l	UK DWS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	0.4	ug/l	FEQS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0									< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylenes	30	ug/l	FEQS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	20	ug/l	WHO	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	#######	ug/l	Default	0									< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	30	ug/l	FEQS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	1	ug/l	UK DWS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Propylbenzene	1	ug/l	UK DWS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	700	ug/l	WHO	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	700	ug/l	WHO	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	1	ug/l	UK DWS	0	< 2			< 2	< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID													944697	961488	979300	1020257	1052136
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH11	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12
Client Sample ID													None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					23.00	27.90	28.35	28.35	29.00	28.96	28.89	29.76	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Bottom													None Supplied	None Supplied			
Date Sampled					03/02/17	30/11/16	16/11/16	22/11/16	03/02/17	07/03/17	04/04/17	17/05/17	17/04/2018	15/05/2018	11/06/2018	08/08/2018	24/09/2018
Sample Type															None Supplied	None Supplied	None Supplied
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Butylbenzene	1	ug/l	UK DWS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 2			< 2	< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 3	< 1		< 3	< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,6 Chloronitrotoluene	700	ug/l	WHO	0									< 1	< 1	< 1	< 1	< 1
4,2 Chloronitrotoluene	700	ug/l	WHO	0									< 1	< 1	< 1	< 1	< 1
4,3 Chloronitrotoluene	700	ug/l	WHO	0									< 1	< 1	< 1	< 1	< 1
2,4 Chloronitrotoluene	700	ug/l	WHO	0									< 1	< 1	< 1	< 1	< 1
2,5 Chloronitrotoluene	700	ug/l	WHO	0									< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 3			< 3	< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0									< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	100	ug/l	WHO	0	< 5			< 5	< 5	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane	20	ug/l	FEQS	0	< 5			< 5	< 5	< 5	< 5	< 5	< 100	< 100	< 100	< 100	< 100
Carbon disulphide	#######	ug/l	Default	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	50	ug/l	FEQS	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	100	ug/l	FEQS	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachloroethane	40	ug/l	USEPA	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	1	ug/l	UK DWS	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	100	ug/l	FEQS	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Isophorone	7000	ug/l	USEPA	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	#######	ug/l	Default	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	2	ug/l	FEQS	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chloronaphthalene	2	ug/l	FEQS	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dimethylphthalate	800	ug/l	FEQS	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenzofuran	2	ug/l	FEQS	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Diethyl phthalate	200	ug/l	FEQS	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	#######	ug/l	Default	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	1	ug/l	USEPA	0	< 0.01		< 1	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	2	ug/l	FEQS	0									< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Carbazole	2	ug/l	FEQS	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 1	< 1			< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0		< 0.001							< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 81	25	ug/l	FEQS	0		< 0.001							< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 105	25	ug/l	FEQS	0		< 0.001							< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 114	25	ug/l	FEQS	0		< 0.001							< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 118	25	ug/l	FEQS	0		< 0.002							< 0.020	< 0.020	< 0.020	< 0.020	< 0.020

Appendix G

G9 Groundwater Downgradient

Assessment Senario: Water Abstraction

				Summary													
Lab Sample ID													944697	961488	979300	1020257	1052136
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH11	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12
Client Sample ID													None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					23.00	27.90	28.35	28.35	29.00	28.96	28.89	29.76	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Bottom													None Supplied	None Supplied			
Date Sampled					03/02/17	30/11/16	16/11/16	22/11/16	03/02/17	07/03/17	04/04/17	17/05/17	17/04/2018	15/05/2018	11/06/2018	08/08/2018	24/09/2018
Sample Type															None Supplied	None Supplied	None Supplied
PCB Congener 123	25	ug/l	FEQS	0		< 0.001							< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 126	25	ug/l	FEQS	0		< 0.001							< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 156	25	ug/l	FEQS	0		< 0.001							< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 157	25	ug/l	FEQS	0		< 0.001							< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 167	25	ug/l	FEQS	0		< 0.001							< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 169	25	ug/l	FEQS	0		< 0.001							< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 189	25	ug/l	FEQS	0		< 0.001							< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCBs	25	ug/l	FEQS	0									< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	1									0.28	0.33	0.25	0.19	0.28
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0									0.14	0.14	0.14	0.13	0.1
Metaldehyde	0.1	ug/l	UK DWS	20									< 0.1	0.2	0.2	< 0.1	< 0.1
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0									< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chlorbufam	0.1	ug/l	UK DWS	0			< 1.0						< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chloroxuron	0.1	ug/l	UK DWS	0			< 0.1						< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chlorpropham	0.1	ug/l	UK DWS	0			< 1.0						< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Ethiofencarb	0.1	ug/l	UK DWS	0			< 0.1						< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenmedipham	0.1	ug/l	UK DWS	0			< 0.1						< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Propham	0.1	ug/l	UK DWS	0			< 0.1						< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dimefuron	0.1	ug/l	UK DWS	0			< 0.1						< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Metoxuron	0.1	ug/l	UK DWS	1			< 0.1						< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pencycuron	0.1	ug/l	UK DWS	0			< 0.1						< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
o,p-Methoxychlor	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0									< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Diclofop	0.1	ug/l	UK DWS	0			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0			< 0.1						< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cyhalothrin	0.1	ug/l	UK DWS	0			< 0.1						< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Ametryn	0.1	ug/l	UK DWS	0	< 0.1				< 0.1				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Atrazine-methoxy	0.1	ug/l	UK DWS	0			< 0.1						< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromacil	0.1	ug/l	UK DWS	0	< 0.02				< 0.02				< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Flamprop	0.1	ug/l	UK DWS	0			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Flamprop-isopropyl	0.1	ug/l	UK DWS	0			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Prometon	0.1	ug/l	UK DWS	0			< 0.1						< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Simetryn	0.1	ug/l	UK DWS	0			< 0.1						< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Perylene	2	ug/l	FEQS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0			< 0.1						< 20	< 20	< 20	< 20	< 20
Carbetamide	100	ng/l	UK DWS	0			< 0.1						< 20	< 20	< 20	< 20	< 20
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	0	< 2	< 2			< 2	< 2	< 2	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 10	< 10			< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total phthalates	N/A	mg/l	-	0												< 3.5	
Glycols																	
Ethylene Glycol	ISSUE	mg/l	Default	0									< 10	< 10	< 10	< 10	< 10
Diethylene Glycol	ISSUE	mg/l	Default	0									< 10	< 10	< 10	< 10	< 10
1,2-Propanediol	ISSUE	mg/l	Default	0									< 10	< 10	< 10	< 10	< 10
Rodenticides																	
Triazine Pesticides																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID													944697	961488	979300	1020257	1052136
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH11	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12
Client Sample ID													None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					23.00	27.90	28.35	28.35	29.00	28.96	28.89	29.76	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Bottom													None Supplied	None Supplied			
Date Sampled					03/02/17	30/11/16	16/11/16	22/11/16	03/02/17	07/03/17	04/04/17	17/05/17	17/04/2018	15/05/2018	11/06/2018	08/08/2018	24/09/2018
Sample Type															None Supplied	None Supplied	None Supplied
Atrazine	0.1	ug/l	UK DWS	18			< 0.1						< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Simazine	0.1	ug/l	UK DWS	0			< 0.1						< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Prometryn	0.1	ug/l	UK DWS	0			< 0.1						< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Propazine	0.1	ug/l	UK DWS	0			< 0.1						< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Terbuthylazine	0.1	ug/l	UK DWS	0			< 0.1						< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Terbutryn	0.1	ug/l	UK DWS	0			< 0.1						< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0									< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4-D butyl ester	0.1	ug/l	UK DWS	0									< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,4-D ethyl ester	0.1	ug/l	UK DWS	0									< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0									< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0									< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Benazolin	0.1	ug/l	UK DWS	0			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Bromoxynil	0.1	ug/l	UK DWS	0			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Clopyralid	0.1	ug/l	UK DWS	0			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Ioxynil	0.1	ug/l	UK DWS	0			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-T	0.1	ug/l	UK DWS	0			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-TP	0.1	ug/l	UK DWS	0			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4-D	0.1	ug/l	UK DWS	1			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4-DB	0.1	ug/l	UK DWS	0			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Dicamba	0.1	ug/l	UK DWS	1			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Dichlorprop	0.1	ug/l	UK DWS	0			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
MCPA	0.1	ug/l	UK DWS	0			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
MCPB	0.1	ug/l	UK DWS	0			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Mecoprop	0.1	ug/l	UK DWS	15			< 0.02						< 0.02	< 0.02	0.02	0.12	0.04
Picloram	0.1	ug/l	UK DWS	0			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0									< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dieldrin	0.03	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan Sulphate	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endrin	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Trifluralin	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	1			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID													944697	961488	979300	1020257	1052136
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH11	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12
Client Sample ID													None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					23.00	27.90	28.35	28.35	29.00	28.96	28.89	29.76	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Bottom													None Supplied	None Supplied			
Date Sampled					03/02/17	30/11/16	16/11/16	22/11/16	03/02/17	07/03/17	04/04/17	17/05/17	17/04/2018	15/05/2018	11/06/2018	08/08/2018	24/09/2018
Sample Type															None Supplied	None Supplied	None Supplied
Fluroxypyr	0.1	ug/l	UK DWS	0			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Triclorpyr	0.1	ug/l	UK DWS	1			< 0.02						< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Azinphos-methyl	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos I	0.1	ug/l	UK DWS	0									< 0.01				
Chlorfenvinphos II	0.1	ug/l	UK DWS	0									< 0.01				
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0			< 0.01						< 0.01				
Diazinon	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Malathion	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0			< 100						< 10	< 10	< 10	< 10	< 10
Chlortoluron	100	ng/l	UK DWS	0			< 100						< 10	< 10	< 10	< 10	< 10
Diflubenzuron	100	ng/l	UK DWS	0			< 100						< 10	< 10	< 10	< 10	< 10
Diuron	100	ng/l	UK DWS	11			< 100						< 10	27	30	42	30
Linuron	100	ng/l	UK DWS	0			< 100						< 10	< 10	< 10	< 10	< 10
Methabenzthiazuron	100	ng/l	UK DWS	0			< 100						< 10	< 10	< 10	< 10	< 10
Monolinuron	100	ng/l	UK DWS	0			< 100						< 10	< 10	< 10	< 10	< 10
Monuron	100	ng/l	UK DWS	0			< 100						< 10	14.000	< 10	14.000	17.000
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Propanoic acid	0.01	mg/l	Default	0	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Butyric acid	0.01	mg/l	Default	0	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 11				< 11	< 11	< 11	< 11	< 10	< 10	< 10	I/S	< 10
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0			< 0.1						< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cypermethrin	100	ng/l	UK DWS	0			< 100						< 10	< 10	< 10	< 10	< 10
Deltramethrin	0.1	ug/l	UK DWS	0			< 0.1						< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Permethrin	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Permethrin	0.1	ug/l	UK DWS	0			< 0.01						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0			<10						< 10	< 10	< 10	< 10	< 10
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0			<10						< 10	< 10	< 10	< 10	< 10
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	2			<10						< 10	< 10	< 10	< 10	< 10
Chlorophenols																	
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.00002		< 0.001	< 0.001	< 0.00002	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Others																	
Chlordane	0.0001	mg/l	UK DWS	0			< 0.00001										
Chlorothalonil	0.0001	mg/l	UK DWS	0			< 0.00001										

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID													944697	961488	979300	1020257	1052136
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH11	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12
Client Sample ID													None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					23.00	27.90	28.35	28.35	29.00	28.96	28.89	29.76	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Bottom													None Supplied	None Supplied			
Date Sampled					03/02/17	30/11/16	16/11/16	22/11/16	03/02/17	07/03/17	04/04/17	17/05/17	17/04/2018	15/05/2018	11/06/2018	08/08/2018	24/09/2018
Sample Type															None Supplied	None Supplied	None Supplied
Chlorpyrifos	0.0001	mg/l	UK DWS	0			< 0.00001										
Pendimethalin	0.0001	mg/l	UK DWS	0			< 0.00001										
Bromoform	0.1	mg/l	WHO	0	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001	< 0.001					
Methane	N/A	ug/l	-	0	2				1	< 1	< 2	< 1					

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary														
Lab Sample ID					1074201	1096401	1106499	1133262	1163626	1182058						944696	961487
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied								None Supplied	None Supplied
Depth to Top					None Supplied	None Supplied	None Supplied	35.00	None Supplied	None Supplied	19/01/1900	21/01/1900	22/01/1900	22/01/1900	23/01/1900	None Supplied	None Supplied
Depth to Bottom									None Supplied	29.62-40.31						None Supplied	None Supplied
Date Sampled					23/10/2018	21/11/2018	03/12/2018	16/01/2019	25/02/2019	20/03/2019	16/11/16	30/11/16	07/03/17	04/04/17	17/05/17	17/04/2018	15/05/2018
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied									
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-		6.9	6.9	6.9	7	7	7.3						6.7	6.7
Total Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 5		< 5	< 5	< 5	< 10	< 10
Complex Cyanides	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 5		< 5	< 5	< 5	< 10	< 10
Free Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 5		< 5	< 5	< 5	< 10	< 10
Thiocyanate as SCN	50	ug/l	UK DWS	0	< 200	< 200	< 200	< 200	< 200	< 200			< 100	< 100	< 100	< 200	< 200
Sulphate as SO4	250000	ug/l	UK DWS	0	28600	28300	30700	26300	23300	26100			49000	47000	67000	41100	43800
Sulphide	250000	ug/l	UK DWS	0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0			< 100	< 100	< 100	< 5.0	< 5.0
Chloride	250	mg/l	UK DWS	0	70	56	48	52	55	54			35.22	20.65	77	150	120
Fluoride	1500	ug/l	UK DWS	0	170	160	130	110	130	140			140	110	280	120	140
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	22	370	260	170	170	260	410			410	40	980	4800	3800
Nitrate as N	11.3	mg/l	UK DWS	1	2.66	0.2	3.42	3.11	2.7	3.27						3.73	5.43
Nitrate as NO3	50	mg/l	UK DWS	2	11.8	0.91	15.1	13.8	12	14.5			50.69	22.66	32.49	16.5	24
Nitrite as N	160	ug/l	UK DWS	4	2	3.8	44	7.8	< 1.0	36						21	21
Nitrite as NO2	500	ug/l	UK DWS	4	6.5	12	140	26	< 5.0	120			270	160	340	69	68
Alkalinity	N/A	mg/l	-	0	420	400	130	460	340	640			357	313	388	780	760
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	< 2.0	4.4	14	11	12	12	7		<6	<6	19	27	21
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	< 1.0	1.9	< 1.0	< 1.0	3.8	1.1	<1		<1	1	5	1.2	< 1.0
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	2	2.7	< 0.3	3.5	3.1	2.7	3.3			11.5	5.2	7.4	3.8	5.4
Total Suspended Solids	N/A	mg/l	-	0	84	280	75	61	< 2.0	< 2.0			1255	2680	139	17	33
Hardness - Total	N/A	mg/l	-	0	427	473	522	411	484	347			415	366	478	342	425
Bromide	N/A	mg/l	-	0	0.57	0.43	0.57	0.26	0.33	0.28						1.3	0.91
Bromate	0.01	mg/l	UK DWS	0	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002						< 0.002	< 0.002
Phenols																	
Catechol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5						< 0.5	< 0.5
Resorcinol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10		< 10	< 10	< 10	< 0.5	< 0.5
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5						< 0.5	< 0.5
Cresols	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10		< 10	< 10	< 10	< 0.5	< 0.5
Naphthols	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5						< 0.5	< 0.5
Isopropylphenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5						< 0.5	< 0.5
Phenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10		< 10	< 10	< 10	< 0.5	< 0.5
Trimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5						< 0.5	< 0.5
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.02	< 0.01	0.03	< 0.01	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 1	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	0.1	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	0.0063	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.02	< 0.01	0.01	< 0.01	< 0.01
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01	< 1	< 0.02	< 0.01	< 0.01	< 0.001	< 0.001
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01	< 1	< 0.02	< 0.01	< 0.01	< 0.001	< 0.001
Heavy metals and metalloids																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary														
Lab Sample ID					1074201	1096401	1106499	1133262	1163626	1182058						944696	961487
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied								None Supplied	None Supplied
Depth to Top					None Supplied	None Supplied	None Supplied	35.00	None Supplied	None Supplied	19/01/1900	21/01/1900	22/01/1900	22/01/1900	23/01/1900	None Supplied	None Supplied
Depth to Bottom									None Supplied	29.62-40.31						None Supplied	None Supplied
Date Sampled					23/10/2018	21/11/2018	03/12/2018	16/01/2019	25/02/2019	20/03/2019	16/11/16	30/11/16	07/03/17	04/04/17	17/05/17	17/04/2018	15/05/2018
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied									
Antimony	5	ug/l	UK DWS	0	< 0.4	< 0.4	0.6	0.6	< 0.4	< 0.4			< 1	< 1	< 1	< 0.4	< 0.4
Arsenic	10	ug/l	UK DWS	0	0.36	0.18	0.19	0.22	0.26	0.49	< 1		< 1	< 1	< 1	0.65	0.61
Barium	700	ug/l	WHO	0	150	150	150	140	150	110	200					200	190
Beryllium	4	ug/l	USEPA	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 1		< 1	< 1	< 1	< 0.1	< 0.1
Boron	1000	ug/l	UK DWS	1	220	170	170	140	160	170	622					1000	790
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.2		< 0.2	< 0.2	< 0.2	0.06	0.04
Calcium	N/A	mg/l	-	0	170	190	200	160	190	140			160	142	184	130	160
Chromium VI	3.4	ug/l	FEQS	2	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10		< 10	< 10	< 10	< 5.0	< 5.0
Chromium III	4.7	ug/l	FEQS	0	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0						2	1.1
Chromium Total	50	ug/l	UK DWS	0	1	< 0.2	1	0.8	0.9	0.9	< 1		10	< 1	10	2	1.1
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	1.8	< 0.5	1.6	3.6	3.8	1.8	3		1	< 1	3	4.8	
Iron	0.2	mg/l	UK DWS	2	< 0.004	0.026	< 0.004	< 0.004	0.057	0.006			0.01	< 0.01	0.014	0.18	0.015
Lead	10	ug/l	UK DWS	0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 1		< 1	< 1	< 1	1.2	< 0.2
Magnesium	N/A	mg/l	-	0	2.6	2.5	2.6	2.4	2	2.4			4	3	4	5.1	4.4
Manganese (bioavailable)	50	ug/l	UK DWS	26	82	51	47	63	99	53			26	1	145	540	330
Mercury	1	ug/l	UK DWS	2	0.41	0.41	< 0.05	0.96	< 0.05	0.42	< 0.1		< 0.1	< 0.1	< 0.1	< 0.05	< 0.05
Molybdenum	70	ug/l	WHO	0	0.13	< 0.05	0.2	0.38	0.14	1.3						0.4	0.17
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	2	4	2.2	2.8	3.6	3.5	2.9	11		3	< 1	13	23	18
Potassium	N/A	mg/l	-	0	1.6	1.4	1.5	1.4	1.4	1.6			2	3	4	3.9	3.4
Selenium	10	ug/l	UK DWS	0	0.8	2.2	1.5	1.6	< 0.6	1.3	< 1		2	2	< 1	3.4	3.4
Sodium	50	mg/l	WHO	26	32	27	31	24	28	26			34	17	102	100	120
Vanadium	20	ug/l	FEQS	0	0.4	0.3	0.3	0.4	0.4	0.3	< 1		< 1	< 1	< 1	0.9	0.5
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	5.5	< 0.5	2.7	3.2	3.8	1.2	4		< 1	4	11	4.3	2.8
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0						< 1.0	< 1.0
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0							< 5		< 5	< 5	< 5	< 1.0	
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 10	< 1.0
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 5		< 5	< 5	< 5	< 10	< 10
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 5		< 5	< 5	< 5	< 10	< 10
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 5		< 5	< 5	< 5	< 10	< 10
TPH >C21-C35 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 5		< 5	< 5	< 5	< 10	< 10
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10						< 10	< 10
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10			< 5	< 5	< 5	< 10	< 10
C5-C35 Aliphatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10						< 10	< 10
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10						< 10	< 10
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
TPH >C8-C9 Aromatics	300	ug/l	WHO	0							2		< 1	< 1	< 1		
TPH >C9-C10 Aromatics	300	ug/l	WHO	0							< 1		< 1	< 1	< 1		
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0						< 1.0	< 1.0
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10						< 10	< 10
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10						< 10	< 10
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10						< 10	< 10
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10						< 10	< 10
TPH >C35-C44 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10						< 10	< 10

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary														
Lab Sample ID					1074201	1096401	1106499	1133262	1163626	1182058						944696	961487
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied								None Supplied	None Supplied
Depth to Top					None Supplied	None Supplied	None Supplied	35.00	None Supplied	None Supplied	19/01/1900	21/01/1900	22/01/1900	22/01/1900	23/01/1900	None Supplied	None Supplied
Depth to Bottom									None Supplied	29.62-40.31						None Supplied	None Supplied
Date Sampled					23/10/2018	21/11/2018	03/12/2018	16/01/2019	25/02/2019	20/03/2019	16/11/16	30/11/16	07/03/17	04/04/17	17/05/17	17/04/2018	15/05/2018
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied									
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10						< 10	< 10
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10						< 10	< 10
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10		< 10	< 10	< 10	< 1.0	< 1.0
Chloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Bromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0						< 1.0	< 1.0
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
1,1 -Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
2,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Trichloromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2		< 2	< 2	< 2	< 1.0	< 1.0
1,1-Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Tetrachloromethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	1	< 1.0	< 1.0
1,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Trichloroethene	10	ug/l	UK DWS	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Dibromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Bromodichloromethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10		< 10	< 10	< 10	< 1.0	< 1.0
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0						< 1.0	< 1.0
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
1,3-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Dibromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3		< 3	< 3	< 3	< 1.0	< 1.0
Tetrachloroethene	10	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Chlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0						< 1.0	< 1.0
m,p-Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Styrene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Tribromomethane	#######	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0						< 1.0	< 1.0
o-Xylene	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Bromobenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
2-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
4-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2		< 2	< 2	< 2	< 1.0	< 1.0
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary														
Lab Sample ID					1074201	1096401	1106499	1133262	1163626	1182058						944696	961487
Client Sample No					ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied								None Supplied	None Supplied
Depth to Top					None Supplied	None Supplied	None Supplied	35.00	None Supplied	None Supplied	19/01/1900	21/01/1900	22/01/1900	22/01/1900	23/01/1900	None Supplied	None Supplied
Depth to Bottom									None Supplied	29.62-40.31						None Supplied	None Supplied
Date Sampled					23/10/2018	21/11/2018	03/12/2018	16/01/2019	25/02/2019	20/03/2019	16/11/16	30/11/16	07/03/17	04/04/17	17/05/17	17/04/2018	15/05/2018
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied									
	Screening value	**Units**	**Screening standard**	**Number of Exceedances**													
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0
n-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2		< 2	< 2	< 2	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 1	< 3	< 3	< 3	< 1.0	< 1.0
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0
2,6 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1						< 1	< 1
4,2 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1						< 1	< 1
4,3 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1						< 1	< 1
2,4 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1						< 1	< 1
2,5 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1						< 1	< 1
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3		< 3	< 3	< 3	< 1.0	< 1.0
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0						< 1.0	< 1.0
Bromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5		< 5	< 5	< 5	< 1.0	< 1.0
Dichloromethane	20	ug/l	FEQS	0	< 100	< 100	< 100	< 100	< 3.0	< 3.0	< 5		< 5	< 5	< 5	< 100	< 100
Carbon disulphide	########	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1.0	< 1.0
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
2-Chlorophenol	50	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
2-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
Hexachloroethane	40	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
Nitrobenzene	1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
4-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
Isophorone	7000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
2-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	########	ug/l	Default	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
2-Methylnaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
2-Chloronaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
Dimethylphthalate	800	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
Dibenzofuran	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
Diethyl phthalate	200	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
Bromophenyl phenyl ether	########	ug/l	Default	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
Hexachlorobenzene	1	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1		< 0.01		< 0.05	< 0.05
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01						< 0.01	< 0.01
Carbazole	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 0.05	< 0.05
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020				< 0.001		< 0.020	< 0.020
PCB Congener 81	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020				< 0.001		< 0.020	< 0.020
PCB Congener 105	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020				< 0.001		< 0.020	< 0.020
PCB Congener 114	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020				< 0.001		< 0.020	< 0.020
PCB Congener 118	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020				< 0.002		< 0.020	< 0.020

Appendix G

G9 Groundwater Downgradient

Assessment Senario: Water Abstraction

				Summary														
Lab Sample ID					1074201	1096401	1106499	1133262	1163626	1182058						944696	961487
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied								None Supplied	None Supplied
Depth to Top					None Supplied	None Supplied	None Supplied	35.00	None Supplied	None Supplied	19/01/1900	21/01/1900	22/01/1900	22/01/1900	23/01/1900	None Supplied	None Supplied
Depth to Bottom									None Supplied	29.62-40.31						None Supplied	None Supplied
Date Sampled					23/10/2018	21/11/2018	03/12/2018	16/01/2019	25/02/2019	20/03/2019	16/11/16	30/11/16	07/03/17	04/04/17	17/05/17	17/04/2018	15/05/2018
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied									
PCB Congener 123	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020				< 0.001		< 0.020	< 0.020
PCB Congener 126	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020				< 0.001		< 0.020	< 0.020
PCB Congener 156	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020				< 0.001		< 0.020	< 0.020
PCB Congener 157	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020				< 0.001		< 0.020	< 0.020
PCB Congener 167	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020				< 0.001		< 0.020	< 0.020
PCB Congener 169	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020				< 0.001		< 0.020	< 0.020
PCB Congener 189	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020				< 0.001		< 0.020	< 0.020
PCBs	25	ug/l	FEQS	0	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300						< 0.300	< 0.300
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	1	0.17	0.11	0.26	0.2	0.14	0.28						0.06	0.06
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0	0.11	0.08	0.13	0.09	0.14	0.13						< 0.05	< 0.05
Metaldehyde	0.1	ug/l	UK DWS	20	0.1	< 0.1	< 0.1	0.2	< 0.1	< 0.2						0.4	1
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1						< 0.1	< 0.1
Chlorbufam	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1	< 0.10	< 0.10
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.05	< 0.10	< 0.10
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1	< 0.10	< 0.10
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1	< 0.10	< 0.10
Phenmedipham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1	< 0.10	< 0.10
Propham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1	< 0.10	< 0.10
Dimefuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.05	< 0.10	< 0.10
Metoxuron	0.1	ug/l	UK DWS	1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.2			< 0.1	< 0.1	< 0.05	< 0.10	< 0.10
Pencycuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.05	< 0.10	< 0.10
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10						< 0.10	< 0.10
Diclofop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1	< 0.10	< 0.10
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1	< 0.10	< 0.10
Ametryn	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1		< 0.1		< 0.10	< 0.10
Atrazine-methoxy	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1	< 0.10	< 0.10
Bromacil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		< 0.02	< 0.02
Flamprop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Flamprop-isopropyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Prometon	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1	< 0.10	< 0.10
Simetryn	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1	< 0.10	< 0.10
4-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
Perylene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0	< 20	< 20	< 20	< 20	< 20	< 20			< 0.1	< 0.1	< 0.1	< 20	< 20
Carbetamide	100	ng/l	UK DWS	0	< 20	< 100.00	< 200.00	< 20	< 20	< 200.00			< 0.1	< 0.1	< 0.1	< 20	< 20
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.8		< 2	< 2	< 2	< 10	< 1.0	< 1.0
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 10	< 10	< 10	< 10	< 1.0	< 1.0
Total phthalates	N/A	mg/l	-	0													
Glycols																	
Ethylene Glycol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10						< 10	< 10
Diethylene Glycol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10						< 10	< 10
1,2-Propanediol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10						< 10	< 10
Rodenticides																	
Triazine Pesticides																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary														
Lab Sample ID					1074201	1096401	1106499	1133262	1163626	1182058						944696	961487
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied								None Supplied	None Supplied
Depth to Top					None Supplied	None Supplied	None Supplied	35.00	None Supplied	None Supplied	19/01/1900	21/01/1900	22/01/1900	22/01/1900	23/01/1900	None Supplied	None Supplied
Depth to Bottom									None Supplied	29.62-40.31						None Supplied	None Supplied
Date Sampled					23/10/2018	21/11/2018	03/12/2018	16/01/2019	25/02/2019	20/03/2019	16/11/16	30/11/16	07/03/17	04/04/17	17/05/17	17/04/2018	15/05/2018
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied									
Atrazine	0.1	ug/l	UK DWS	18	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 0.1	< 0.1	< 0.1	< 0.05	< 0.05
Simazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			0.1	< 0.1	< 0.1	< 0.05	0.06
Prometryn	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 0.1	< 0.1	< 0.1	< 0.05	< 0.05
Propazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 0.1	< 0.1	< 0.1	< 0.05	< 0.05
Terbuthylazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 0.1	< 0.1	< 0.1	< 0.05	< 0.05
Terbutryn	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 0.1	< 0.1	< 0.1	< 0.05	< 0.05
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02						< 0.02	< 0.02
2,4-D butyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10						< 0.10	< 0.10
2,4-D ethyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10						< 0.10	< 0.10
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10						< 0.10	< 0.10
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10						< 0.10	< 0.10
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Benazolin	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Clopyralid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.20	< 0.20	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Ioxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4-D	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Dicamba	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.040			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Dichlorprop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
MCPA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
MCPB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Mecoprop	0.1	ug/l	UK DWS	15	0.07	0.06	0.04	0.05	0.05	0.06			< 0.02	< 0.02	< 0.02	0.33	0.24
Picloram	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01						< 0.01	< 0.01
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01						< 0.01	< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.02	< 0.01	< 0.01	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.02	< 0.01	< 0.01	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Trifluralin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01						< 0.01	< 0.01
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary														
Lab Sample ID					1074201	1096401	1106499	1133262	1163626	1182058						944696	961487
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied								None Supplied	None Supplied
Depth to Top					None Supplied	None Supplied	None Supplied	35.00	None Supplied	None Supplied	19/01/1900	21/01/1900	22/01/1900	22/01/1900	23/01/1900	None Supplied	None Supplied
Depth to Bottom									None Supplied	29.62-40.31						None Supplied	None Supplied
Date Sampled					23/10/2018	21/11/2018	03/12/2018	16/01/2019	25/02/2019	20/03/2019	16/11/16	30/11/16	07/03/17	04/04/17	17/05/17	17/04/2018	15/05/2018
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied									
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Triclorpyr	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	0.04	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01						< 0.01	< 0.01
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01						< 0.01	< 0.01
Chlorfenvinphos I	0.1	ug/l	UK DWS	0												< 0.01	
Chlorfenvinphos II	0.1	ug/l	UK DWS	0												< 0.01	
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0												< 0.01	
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01						< 0.01	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01						< 0.01	< 0.01
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10			< 100	< 100	< 50	< 10	< 10
Chlortoluron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10			< 100	< 100	< 50	< 10	< 10
Diflubenzuron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10			< 100	< 100	< 50	< 10	< 10
Diuron	100	ng/l	UK DWS	11	28	29	26	30	29	33			< 100	< 100	< 50	< 10	12
Linuron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10			< 100	< 100	< 50	< 10	< 10
Methabenzthiazuron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10			< 100	< 100	< 50	< 10	< 10
Monolinuron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10			< 100	< 100	< 50	< 10	< 10
Monuron	100	ng/l	UK DWS	0	21.000	29.000	21.000	25.000	27.000	39.000			< 100	< 100	< 50	< 10	< 10
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 20	< 10	< 10	< 50			< 10	< 10	< 10	< 10	< 10
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 20	< 10	< 10	< 10			< 10	< 10	< 10	< 10	< 10
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 20	< 10	< 10	< 10			< 10	< 10	< 10	< 10	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 20	< 10	< 10	< 10			< 10	< 10	< 10	< 10	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10			< 11	< 11	< 11	< 10	< 10
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1			< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cypermethrin	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10			< 100	< 100	< 100	< 10	< 10
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1			< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01						< 0.01	< 0.01
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01						< 0.01	< 0.01
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 10			<10	<10	<10	< 10	< 10
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 10			<10	<10	<10	< 10	< 10
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	2	< 10	< 10	< 10	< 10	< 10	< 10			15	<10	<10	< 10	< 10
Chlorophenols																	
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.001	< 0.00002		< 0.00002		< 0.05	< 0.05
Others																	
Chlordane	0.0001	mg/l	UK DWS	0													
Chlorothalonil	0.0001	mg/l	UK DWS	0													

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary														
Lab Sample ID					1074201	1096401	1106499	1133262	1163626	1182058						944696	961487
Client Sample No					ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-CP-BH12	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied								None Supplied	None Supplied
Depth to Top					None Supplied	None Supplied	None Supplied	35.00	None Supplied	None Supplied	19/01/1900	21/01/1900	22/01/1900	22/01/1900	23/01/1900	None Supplied	None Supplied
Depth to Bottom									None Supplied	29.62-40.31						None Supplied	None Supplied
Date Sampled					23/10/2018	21/11/2018	03/12/2018	16/01/2019	25/02/2019	20/03/2019	16/11/16	30/11/16	07/03/17	04/04/17	17/05/17	17/04/2018	15/05/2018
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied									
Chlorpyrifos	0.0001	mg/l	UK DWS	0													
Pendimethalin	0.0001	mg/l	UK DWS	0													
Bromoform	0.1	mg/l	WHO	0							< 0.001		< 0.001	< 0.001	< 0.001		
Methane	N/A	ug/l	-	0					< 0.1	< 0.1			2	< 2	3		

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					980065	999567	1020258	1055395	1102001								944698
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied								None Supplied
Depth to Top					None Supplied	19.22-34.52	None Supplied	None Supplied	30.45-50.28	29/01/1900	29/01/1900	29/01/1900	30/01/1900	30/01/1900	30/01/1900	30/01/1900	None Supplied
Depth to Bottom																	None Supplied
Date Sampled					12/06/2018	10/07/2018	08/08/2018	27/09/2018	26/11/2018	16/11/16	23/11/16	30/11/16	03/02/17	07/03/17	04/04/17	17/05/17	17/04/2018
Sample Type					None Supplied	0940	None Supplied	None Supplied	1503								
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-		6.8	7.6	6.8	6.7	6.7								6.8
Total Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 5			< 5	< 5	< 5	< 5	< 10
Complex Cyanides	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 5							< 10
Free Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 5							< 10
Thiocyanate as SCN	50	ug/l	UK DWS	0	< 200	< 200	< 200	< 200	< 200								< 200
Sulphate as SO4	250000	ug/l	UK DWS	0	48800	39000	40600	54800	26200				30000	29000	29000	27000	35300
Sulphide	250000	ug/l	UK DWS	0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0				< 100	< 100	< 100	< 100	< 5.0
Chloride	250	mg/l	UK DWS	0	98	44	66	200	56				60.4	44.22	56.46	56	110
Fluoride	1500	ug/l	UK DWS	0	120	140	140	90	110				< 100	150	140	320	120
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	22	2400	520	1600	7200	100				< 20	< 20	< 20	< 20	1200
Nitrate as N	11.3	mg/l	UK DWS	1	6.35	8.9	8.54	1.89	0.4								2.85
Nitrate as NO3	50	mg/l	UK DWS	2	28.1	39.4	37.8	8.37	1.76				22.15	20.79	9.26	19.46	12.6
Nitrite as N	160	ug/l	UK DWS	4	27	190	480	45	< 1.0								7.6
Nitrite as NO2	500	ug/l	UK DWS	4	87	640	1600	150	< 5.0				< 100	< 100	< 100	< 100	25
Alkalinity	N/A	mg/l	-	0	730	640	650	620	320				340	353	337	298	610
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	22	7.8	20	37	< 2.0	<6							14
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	< 1.0	4.8	6.1	I/S	1.5	<1							< 1.0
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	2	6.4	9.1	9	1.9	0.4				5	4.7	2.1	4.4	2.9
Total Suspended Solids	N/A	mg/l	-	0	8	160	360	180	440				814	356	243	437	25
Hardness - Total	N/A	mg/l	-	0	403	327	390	525	509				423	460	400	495	466
Bromide	N/A	mg/l	-	0	0.88	0.32	0.55	2	1.2								0.7
Bromate	0.01	mg/l	UK DWS	0	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002								< 0.002
Phenols																	
Catechol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5								< 0.5
Resorcinol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10							< 0.5
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5								< 0.5
Cresols	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10							< 0.5
Naphthols	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5								< 0.5
Isopropylphenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5								< 0.5
Phenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10							< 0.5
Trimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5								< 0.5
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	0.1	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	0.0063	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.001
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.001
Heavy metals and metalloids																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					980065	999567	1020258	1055395	1102001								944698
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied								None Supplied
Depth to Top					None Supplied	19.22-34.52	None Supplied	None Supplied	30.45-50.28	29/01/1900	29/01/1900	29/01/1900	30/01/1900	30/01/1900	30/01/1900	30/01/1900	None Supplied
Depth to Bottom																	None Supplied
Date Sampled					12/06/2018	10/07/2018	08/08/2018	27/09/2018	26/11/2018	16/11/16	23/11/16	30/11/16	03/02/17	07/03/17	04/04/17	17/05/17	17/04/2018
Sample Type					None Supplied	0940	None Supplied	None Supplied	1503								
Antimony	5	ug/l	UK DWS	0	0.4	< 0.4	< 0.4	< 0.4	0.6				< 1	< 1	< 1	< 1	< 0.4
Arsenic	10	ug/l	UK DWS	0	0.78	0.31	0.62	1.37	0.19	< 1			< 1	< 1	< 1	< 1	0.49
Barium	700	ug/l	WHO	0	160	96	140	290	170	151							190
Beryllium	4	ug/l	USEPA	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 1			< 1	< 1	< 1	< 1	< 0.1
Boron	1000	ug/l	UK DWS	1	680	340	430	1100	19	194							420
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	0.04	< 0.02	< 0.02	0.02	< 0.02	< 0.2			< 0.2	< 0.2	< 0.2	< 0.2	< 0.02
Calcium	N/A	mg/l	-	0	150	130	150	200	190				165	180	157	193	180
Chromium VI	3.4	ug/l	FEQS	2	< 5.0	< 5.0	6.4	< 5.0	< 5.0	< 10							< 5.0
Chromium III	4.7	ug/l	FEQS	0	1.5	1.8	< 1.0	< 1.0	1.5								1.8
Chromium Total	50	ug/l	UK DWS	0	1.5	1.8	1.7	0.5	1.5	< 1			< 1	< 1	< 1	8	1.8
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	3.3	1.7	6.1	4.9	1.5	1			< 1	< 1	< 1	< 1	3.6
Iron	0.2	mg/l	UK DWS	2	0.015	< 0.004	< 0.004	0.057	0.12				< 0.01	< 0.01	< 0.01	< 0.01	0.055
Lead	10	ug/l	UK DWS	0	< 0.2	< 0.2	0.3	0.4	< 0.2	< 1			< 1	< 1	< 1	< 1	< 0.2
Magnesium	N/A	mg/l	-	0	4.5	3.1	3.1	6.8	5.6				2	2	2	3	3.2
Manganese (bioavailable)	50	ug/l	UK DWS	26	170	54	150	950	4.1				7	5	6	72	140
Mercury	1	ug/l	UK DWS	2	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1			0.2	< 0.1	0.2	< 0.1	0.27
Molybdenum	70	ug/l	WHO	0	0.54	0.26	0.88	0.66	0.28								0.21
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	2	13	6.8	13	30	1.5	2			3	2	2	5	9
Potassium	N/A	mg/l	-	0	3.3	2.2	2.5	5.8	3.7				1	1	<1	2	1.7
Selenium	10	ug/l	UK DWS	0	2.1	1.9	2	8.4	1.7	< 1			< 1	< 1	< 1	< 1	2.3
Sodium	50	mg/l	WHO	26	110	55	71	120	15				29	29	26	46	58
Vanadium	20	ug/l	FEQS	0	0.9	0.6	0.7	0.7	0.3	< 1			< 1	< 1	< 1	< 1	0.5
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	3.5	7.3	8.6	6.8	1.4	6			7	6	2	26	4.2
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0								< 1.0
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1							< 1.0
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0						< 5							< 1.0
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1							< 1.0
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1							< 1.0
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1							< 10
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 5							< 10
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 5							< 10
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 5							< 10
TPH >C21-C35 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 5							< 10
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10								< 10
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10								< 10
C5-C35 Aliphatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10								< 10
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10								< 10
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1							< 1.0
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1							< 1.0
TPH >C8-C9 Aromatics	300	ug/l	WHO	0						< 1							
TPH >C9-C10 Aromatics	300	ug/l	WHO	0						< 1							
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0								< 1.0
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10		< 5						< 10
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10		< 5						< 10
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10		< 5						< 10
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10		< 5						< 10
TPH >C35-C44 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10								< 10

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					980065	999567	1020258	1055395	1102001								944698
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied								None Supplied
Depth to Top					None Supplied	19.22-34.52	None Supplied	None Supplied	30.45-50.28	29/01/1900	29/01/1900	29/01/1900	30/01/1900	30/01/1900	30/01/1900	30/01/1900	None Supplied
Depth to Bottom																	None Supplied
Date Sampled					12/06/2018	10/07/2018	08/08/2018	27/09/2018	26/11/2018	16/11/16	23/11/16	30/11/16	03/02/17	07/03/17	04/04/17	17/05/17	17/04/2018
Sample Type					None Supplied	0940	None Supplied	None Supplied	1503								
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10								< 10
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10								< 10
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10			< 10	< 10	< 10	< 10	< 1.0
Chloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Bromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0								< 1.0
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	1	< 1	< 1.0
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1							< 1.0
1,1 -Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
2,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Trichloromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2			< 2	< 2	< 2	< 2	< 1.0
1,1-Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Tetrachloromethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
1,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Trichloroethene	10	ug/l	UK DWS	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1			1	1	1	1	< 1.0
Dibromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Bromodichloromethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10			< 10	< 10	< 10	< 10	< 1.0
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0								< 1.0
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
1,3-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Dibromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3			< 3	< 3	< 3	< 3	< 1.0
Tetrachloroethene	10	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Chlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0								< 1.0
m,p-Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Styrene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Tribromomethane	########	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0								< 1.0
o-Xylene	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Bromobenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
2-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
4-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2			< 2	< 2	< 2	< 2	< 1.0
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1	< 1	< 1.0
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1	< 1	< 1.0

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					980065	999567	1020258	1055395	1102001								944698
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied								None Supplied
Depth to Top					None Supplied	19.22-34.52	None Supplied	None Supplied	30.45-50.28	29/01/1900	29/01/1900	29/01/1900	30/01/1900	30/01/1900	30/01/1900	30/01/1900	None Supplied
Depth to Bottom																	None Supplied
Date Sampled					12/06/2018	10/07/2018	08/08/2018	27/09/2018	26/11/2018	16/11/16	23/11/16	30/11/16	03/02/17	07/03/17	04/04/17	17/05/17	17/04/2018
Sample Type					None Supplied	0940	None Supplied	None Supplied	1503								
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1	< 1	< 1.0
n-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2			< 2	< 2	< 2	< 2	< 1.0
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3		< 1	< 3	< 3	< 3	< 3	< 1.0
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1	< 1	< 1.0
2,6 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1								< 1
4,2 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1								< 1
4,3 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1								< 1
2,4 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1								< 1
2,5 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1								< 1
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3			< 3	< 3	< 3	< 3	< 1.0
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0								< 1.0
Bromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5			< 5	< 5	< 5	< 5	< 1.0
Dichloromethane	20	ug/l	FEQS	0	< 100	< 100	< 100	< 100	< 100	< 5			< 5	< 5	< 5	< 5	< 100
Carbon disulphide	#######	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
2-Chlorophenol	50	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
2-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
Hexachloroethane	40	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
Nitrobenzene	1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
4-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
Isophorone	7000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
2-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
Bis(2-chloroethoxy)methane	#######	ug/l	Default	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
2-Methylnaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
2-Chloronaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
Dimethylphthalate	800	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
Dibenzofuran	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
Diethyl phthalate	200	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
Bromophenyl phenyl ether	#######	ug/l	Default	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
Hexachlorobenzene	1	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1		< 1	< 1	< 1	< 0.01	< 0.05
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01								< 0.01
Carbazole	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020
PCB Congener 81	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020
PCB Congener 105	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020
PCB Congener 114	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020
PCB Congener 118	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.002					< 0.020

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					980065	999567	1020258	1055395	1102001								944698
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied								None Supplied
Depth to Top					None Supplied	19.22-34.52	None Supplied	None Supplied	30.45-50.28	29/01/1900	29/01/1900	29/01/1900	30/01/1900	30/01/1900	30/01/1900	30/01/1900	None Supplied
Depth to Bottom																	None Supplied
Date Sampled					12/06/2018	10/07/2018	08/08/2018	27/09/2018	26/11/2018	16/11/16	23/11/16	30/11/16	03/02/17	07/03/17	04/04/17	17/05/17	17/04/2018
Sample Type					None Supplied	0940	None Supplied	None Supplied	1503								
PCB Congener 123	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020
PCB Congener 126	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020
PCB Congener 156	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020
PCB Congener 157	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020
PCB Congener 167	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020
PCB Congener 169	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020
PCB Congener 189	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020
PCBs	25	ug/l	FEQS	0	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300								< 0.300
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	1	0.09	< 0.05	0.05	0.15	0.12								0.1
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0	0.06	< 0.05	< 0.05	< 0.05	0.11								0.07
Metaldehyde	0.1	ug/l	UK DWS	20	1	< 0.1	0.2	0.8	< 0.1								0.2
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1								< 0.1
Chlorbufam	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10		< 1.0						< 0.10
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10		< 0.1						< 0.10
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10		< 1.0						< 0.10
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10		< 0.1						< 0.10
Phenmedipham	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10		< 0.1						< 0.10
Propham	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10		< 0.1						< 0.10
Dimefuron	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10		< 0.1						< 0.10
Metoxuron	0.1	ug/l	UK DWS	1	< 0.10		< 0.10	< 0.10	< 0.10		< 0.1						< 0.10
Pencycuron	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10		< 0.1						< 0.10
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10								< 0.10
Diclofop	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1						< 0.10
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1						< 0.10
Ametryn	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10							< 0.1	< 0.10
Atrazine-methoxy	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10		< 0.1						< 0.10
Bromacil	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02							< 0.02	< 0.02
Flamprop	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
Flamprop-isopropyl	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
Prometon	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10		< 0.1						< 0.10
Simetryn	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10		< 0.1						< 0.10
4-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1
Perylene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1	< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0	< 20		< 20	< 20	< 20		< 0.1						< 20
Carbetamide	100	ng/l	UK DWS	0	< 20		< 20	< 20	< 100.00		< 0.1						< 20
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			< 2	< 2	< 2	< 2	< 10	< 1.0
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			< 10	< 10	< 10	< 10	< 10	< 1.0
Total phthalates	N/A	mg/l	-	0			< 3.5										
Glycols																	
Ethylene Glycol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10								< 10
Diethylene Glycol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10								< 10
1,2-Propanediol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10								< 10
Rodenticides																	
Triazine Pesticides																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					980065	999567	1020258	1055395	1102001								944698
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied								None Supplied
Depth to Top					None Supplied	19.22-34.52	None Supplied	None Supplied	30.45-50.28	29/01/1900	29/01/1900	29/01/1900	30/01/1900	30/01/1900	30/01/1900	30/01/1900	None Supplied
Depth to Bottom																	None Supplied
Date Sampled					12/06/2018	10/07/2018	08/08/2018	27/09/2018	26/11/2018	16/11/16	23/11/16	30/11/16	03/02/17	07/03/17	04/04/17	17/05/17	17/04/2018
Sample Type					None Supplied	0940	None Supplied	None Supplied	1503								
Atrazine	0.1	ug/l	UK DWS	18	< 0.05		< 0.05	< 0.05	< 0.05		< 0.1						0.07
Simazine	0.1	ug/l	UK DWS	0	< 0.05		0.06	< 0.05	< 0.05		< 0.1						< 0.05
Prometryn	0.1	ug/l	UK DWS	0	< 0.05		< 0.05	< 0.05	< 0.05		< 0.1						< 0.05
Propazine	0.1	ug/l	UK DWS	0	< 0.05		< 0.05	< 0.05	< 0.05		< 0.1						< 0.05
Terbuthylazine	0.1	ug/l	UK DWS	0	< 0.05		< 0.05	< 0.05	< 0.05		< 0.1						< 0.05
Terbutryn	0.1	ug/l	UK DWS	0	< 0.05		< 0.05	< 0.05	< 0.05		< 0.1						< 0.05
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02								< 0.02
2,4-D butyl ester	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10								< 0.10
2,4-D ethyl ester	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10								< 0.10
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10								< 0.10
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10								< 0.10
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
Benazolin	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
Clopyralid	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
Ioxynil	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
2,4-D	0.1	ug/l	UK DWS	1	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
Dicamba	0.1	ug/l	UK DWS	1	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
Dichlorprop	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	0.02	< 0.02		< 0.02						< 0.02
MCPA	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
MCPB	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
Mecoprop	0.1	ug/l	UK DWS	15	0.17		< 0.02	0.49	< 0.02		< 0.02						0.13
Picloram	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01								< 0.01
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.01		< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Isodrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Trifluralin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	1	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					980065	999567	1020258	1055395	1102001								944698
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied								None Supplied
Depth to Top					None Supplied	19.22-34.52	None Supplied	None Supplied	30.45-50.28	29/01/1900	29/01/1900	29/01/1900	30/01/1900	30/01/1900	30/01/1900	30/01/1900	None Supplied
Depth to Bottom																	None Supplied
Date Sampled					12/06/2018	10/07/2018	08/08/2018	27/09/2018	26/11/2018	16/11/16	23/11/16	30/11/16	03/02/17	07/03/17	04/04/17	17/05/17	17/04/2018
Sample Type					None Supplied	0940	None Supplied	None Supplied	1503								
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
Triclorpyr	0.1	ug/l	UK DWS	1	< 0.02		< 0.02	< 0.02	< 0.02		< 0.02						< 0.02
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.01		< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01		< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Chlorfenvinphos I	0.1	ug/l	UK DWS	0													< 0.01
Chlorfenvinphos II	0.1	ug/l	UK DWS	0													< 0.01
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0							< 0.01						< 0.01
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01		< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Fenthion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0	< 10		< 10	< 10	< 10		< 100						< 10
Chlortoluron	100	ng/l	UK DWS	0	< 10		< 10	< 10	< 10		< 100						< 10
Diflubenzuron	100	ng/l	UK DWS	0	< 10		< 10	< 10	< 10		< 100						< 10
Diuron	100	ng/l	UK DWS	11	< 10		< 10	16	< 10		< 100						< 10
Linuron	100	ng/l	UK DWS	0	< 10		< 10	< 10	< 10		< 100						< 10
Methabenzthiazuron	100	ng/l	UK DWS	0	< 10		< 10	< 10	< 10		< 100						< 10
Monolinuron	100	ng/l	UK DWS	0	< 10		< 10	< 10	< 10		< 100						< 10
Monuron	100	ng/l	UK DWS	0	< 10		< 10	< 10	< 10		< 100						< 10
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	I/S	< 50				< 10	< 10	< 10	< 10	< 10
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 20				< 10	< 10	< 10	< 10	< 10
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 20				< 10	< 10	< 10	< 10	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 20				< 10	< 10	< 10	< 10	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10				< 10	< 10	< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10				< 10	< 10	< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10				< 10	< 10	< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10				< 11	< 11	< 11	< 11	< 10
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1						< 0.1
Cypermethrin	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10		< 100						< 10
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1						< 0.1
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0	< 10	< 10	< 10	< 10	< 10		<10						< 10
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 10	< 10	< 10	< 10	< 10		<10						< 10
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	2	< 10	< 10	< 10	< 10	< 10		<10						< 10
Chlorophenols																	
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.00002	< 0.05
Others																	
Chlordane	0.0001	mg/l	UK DWS	0							< 0.00001						
Chlorothalonil	0.0001	mg/l	UK DWS	0							< 0.00001						

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G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					980065	999567	1020258	1055395	1102001								944698
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-LF-BH13	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied								None Supplied
Depth to Top					None Supplied	19.22-34.52	None Supplied	None Supplied	30.45-50.28	29/01/1900	29/01/1900	29/01/1900	30/01/1900	30/01/1900	30/01/1900	30/01/1900	None Supplied
Depth to Bottom																	None Supplied
Date Sampled					12/06/2018	10/07/2018	08/08/2018	27/09/2018	26/11/2018	16/11/16	23/11/16	30/11/16	03/02/17	07/03/17	04/04/17	17/05/17	17/04/2018
Sample Type					None Supplied	0940	None Supplied	None Supplied	1503								
Chlorpyrifos	0.0001	mg/l	UK DWS	0							< 0.00001						
Pendimethalin	0.0001	mg/l	UK DWS	0							< 0.00001						
Bromoform	0.1	mg/l	WHO	0						< 0.001			< 0.001	< 0.001	< 0.001	< 0.001	
Methane	N/A	ug/l	-	0									7	1	< 2	1	

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G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	961489	979301	997698	1020259	1052137	1074202	1096403	1106500	1133260	1163627	1182059		
Client Sample No					ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH27	ARP16-CP-BH27
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	None Supplied	26.96-41.86	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	37.00	None Supplied	None Supplied	10/02/1900	10/02/1900
Depth to Bottom					None Supplied									None Supplied	30.77-42.11		
Date Sampled					15/05/2018	11/06/2018	09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018	16/01/2019	25/02/2019	20/03/2019	16/11/16	22/11/16
Sample Type						None Supplied	1320	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-		7	6.9	6.8	6.9	6.9	6.8	6.8	6.9	6.9	6.9	7		
Total Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	
Complex Cyanides	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	
Free Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	
Thiocyanate as SCN	50	ug/l	UK DWS	0	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200		
Sulphate as SO4	250000	ug/l	UK DWS	0	26500	41800	39100	32200	31600	36200	31400	32700	29800	27400	27700		
Sulphide	250000	ug/l	UK DWS	0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		
Chloride	250	mg/l	UK DWS	0	56	120	120	110	110	120	110	97	90	93	93		
Fluoride	1500	ug/l	UK DWS	0	130	130	120	130	87	170	130	140	87	140	150		
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	22	< 15	890	740	640	700	900	700	820	470	530	1000		
Nitrate as N	11.3	mg/l	UK DWS	1	5.14	3.07	3.56	3.69	2.89	2.35	0.11	2.7	2.9	2.96	2.65		
Nitrate as NO3	50	mg/l	UK DWS	2	22.8	13.6	15.8	16.4	12.8	10.4	0.48	12	12.8	13.1	11.7		
Nitrite as N	160	ug/l	UK DWS	4	14	17	17	2.7	7.8	5.9	1.5	1000	5.7	< 1.0	30		
Nitrite as NO2	500	ug/l	UK DWS	4	45	55	56	9	26	19	< 5.0	3300	19	< 5.0	98		
Alkalinity	N/A	mg/l	-	0	560	650	680	640	760	490	380	190	700	370	550		
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	< 2.0	17	5.8	9.1	16	9.9	3.4	15	12	10	15	<6	
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	< 1.0	< 1.0	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.8	5	< 1.0	<1	
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	2	5.2	3.1	3.6	3.7	2.9	2.4	< 0.3	3.7	2.9	3	2.7		
Total Suspended Solids	N/A	mg/l	-	0	4	36	64	280	160	120	24	24	13	49	29		
Hardness - Total	N/A	mg/l	-	0	346	477	521	463	419	489	520	613	462	549	542		
Bromide	N/A	mg/l	-	0	0.31	0.74	0.63	0.71	0.79	1.2	0.88	1.3	0.58	0.62	0.71		
Bromate	0.01	mg/l	UK DWS	0	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002		
Phenols																	
Catechol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Resorcinol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Cresols	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	
Naphthols	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Isopropylphenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Phenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	
Trimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Acenaphthylene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Fluorene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Anthracene	0.1	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Fluoranthene	0.0063	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Pyrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Chrysene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01	
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01	
Heavy metals and metalloids																	

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G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					961489	979301	997698	1020259	1052137	1074202	1096403	1106500	1133260	1163627	1182059		
Client Sample No					ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH27	ARP16-CP-BH27
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	None Supplied	26.96-41.86	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	37.00	None Supplied	None Supplied	10/02/1900	10/02/1900
Depth to Bottom					None Supplied									None Supplied	30.77-42.11		
Date Sampled					15/05/2018	11/06/2018	09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018	16/01/2019	25/02/2019	20/03/2019	16/11/16	22/11/16
Sample Type						None Supplied	1320	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
	Screening value	**Units**	**Screening standard**	**Number of Exceedances**													
Antimony	5	ug/l	UK DWS	0	< 0.4	< 0.4	< 0.4	0.4	< 0.4	< 0.4	< 0.4	< 0.4	0.6	< 0.4	< 0.4		
Arsenic	10	ug/l	UK DWS	0	0.38	0.2	0.62	0.26	0.74	0.5	0.27	0.34	0.21	0.33	0.28	< 1	
Barium	700	ug/l	WHO	0	170	180	170	200	190	190	180	190	180	190	150	104	
Beryllium	4	ug/l	USEPA	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 1	
Boron	1000	ug/l	UK DWS	1	170	520	460	410	370	490	360	400	310	340	370	43	
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.02	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02	< 0.02	< 0.02	< 0.2	
Calcium	N/A	mg/l	-	0	130	180	200	180	160	190	200	240	180	220	210		
Chromium VI	3.4	ug/l	FEQS	2	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	
Chromium III	4.7	ug/l	FEQS	0	1.1	1	1.5	1.7	2.9	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 1.0		
Chromium Total	50	ug/l	UK DWS	0	1.1	1	1.5	1.7	2.9	1	< 0.2	0.7	1.2	0.7	0.3	< 1	
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0		2	1.9	3.2	3.3	3.3	< 0.5	2.3	2.9	9.7	1.9	< 1	
Iron	0.2	mg/l	UK DWS	2	< 0.004	0.065	0.04	< 0.004	0.005	< 0.004	0.057	0.056	< 0.004	0.066	0.005		
Lead	10	ug/l	UK DWS	0	< 0.2	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.4	< 0.2	< 1	
Magnesium	N/A	mg/l	-	0	2.3	3.7	3.7	2.6	2.7	3.3	2.9	3.1	2.9	2.5	3		
Manganese (bioavailable)	50	ug/l	UK DWS	26	6.4	110	92	91	86	100	80	93	71	85	71		
Mercury	1	ug/l	UK DWS	2	0.4	0.44	0.19	0.22	0.44	0.2	0.34	< 0.05	0.12	< 0.05	0.17	< 0.1	
Molybdenum	70	ug/l	WHO	0	0.76	< 0.05	0.14	0.32	0.32	0.3	< 0.05	0.12	0.24	0.13	0.77		
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	2	2.3	7	6.3	7.6	7.1	8.6	4.8	6.9	5.8	6	6.6	2	
Potassium	N/A	mg/l	-	0	1.1	1.9	1.6	1.6	1.3	1.9	1.6	1.7	1.6	1.4	1.8		
Selenium	10	ug/l	UK DWS	0	1.5	2.1	1.6	2	2.6	1.3	3.9	3	3	< 0.6	2.5	< 1	
Sodium	50	mg/l	WHO	26	28	70	73	55	51	64	56	62	45	54	58		
Vanadium	20	ug/l	FEQS	0	0.5	0.5	0.7	0.4	0.8	0.5	0.4	0.4	0.5	0.4	0.4	< 1	
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	3	2.6	2	4.8	11	2.4	< 0.5	2.5	2.3	7.8	1.7	14	
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0												< 5	
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	
TPH >C21-C35 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
C5-C35 Aliphatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
TPH >C8-C9 Aromatics	300	ug/l	WHO	0												< 1	
TPH >C9-C10 Aromatics	300	ug/l	WHO	0												< 1	
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 5
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 5
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 5
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 5
TPH >C35-C44 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					961489	979301	997698	1020259	1052137	1074202	1096403	1106500	1133260	1163627	1182059		
Client Sample No					ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH27	ARP16-CP-BH27
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	None Supplied	26.96-41.86	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	37.00	None Supplied	None Supplied	10/02/1900	10/02/1900
Depth to Bottom					None Supplied									None Supplied	30.77-42.11		
Date Sampled					15/05/2018	11/06/2018	09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018	16/01/2019	25/02/2019	20/03/2019	16/11/16	22/11/16
Sample Type						None Supplied	1320	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	
Chloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Bromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.1	< 1.0	< 1.0	< 1.0	< 1	
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
1,1 -Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
2,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Trichloromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2	
1,1-Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Tetrachloromethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
1,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Trichloroethene	10	ug/l	UK DWS	2	< 1.0	< 1.0	3.4	< 1.0	< 1.0	< 1.0	< 1.0	3.1	< 1.0	< 1.0	< 1.0	< 1	
Dibromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Bromodichloromethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
1,3-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Dibromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3	
Tetrachloroethene	10	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Chlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
m,p-Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Styrene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Tribromomethane	########	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
o-Xylene	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Bromobenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
2-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
4-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2	
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					961489	979301	997698	1020259	1052137	1074202	1096403	1106500	1133260	1163627	1182059		
Client Sample No					ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH27	ARP16-CP-BH27
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	None Supplied	26.96-41.86	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	37.00	None Supplied	None Supplied	10/02/1900	10/02/1900
Depth to Bottom					None Supplied									None Supplied	30.77-42.11		
Date Sampled					15/05/2018	11/06/2018	09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018	16/01/2019	25/02/2019	20/03/2019	16/11/16	22/11/16
Sample Type						None Supplied	1320	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
n-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2	
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3	
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
2,6 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
4,2 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
4,3 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
2,4 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
2,5 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3	
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
Bromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5	
Dichloromethane	20	ug/l	FEQS	0	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 3.0	< 3.0	< 5	
Carbon disulphide	#######	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
2-Chlorophenol	50	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
2-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
Hexachloroethane	40	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
Nitrobenzene	1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
4-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
Isophorone	7000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
2-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
Bis(2-chloroethoxy)methane	#######	ug/l	Default	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
2-Methylnaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
2-Chloronaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
Dimethylphthalate	800	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
Dibenzofuran	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
Diethyl phthalate	200	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
Bromophenyl phenyl ether	#######	ug/l	Default	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
Hexachlorobenzene	1	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		
Carbazole	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 81	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 105	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 114	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 118	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					961489	979301	997698	1020259	1052137	1074202	1096403	1106500	1133260	1163627	1182059		
Client Sample No					ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH27	ARP16-CP-BH27
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	None Supplied	26.96-41.86	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	37.00	None Supplied	None Supplied	10/02/1900	10/02/1900
Depth to Bottom					None Supplied									None Supplied	30.77-42.11		
Date Sampled					15/05/2018	11/06/2018	09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018	16/01/2019	25/02/2019	20/03/2019	16/11/16	22/11/16
Sample Type						None Supplied	1320	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
PCB Congener 123	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 126	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 156	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 157	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 167	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 169	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCB Congener 189	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		
PCBs	25	ug/l	FEQS	0	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300		
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	1	0.12	0.1	0.12	0.1	0.14	0.09	0.09	0.11	0.09	0.1	0.07		
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0	0.08	0.09	0.1	0.1	0.08	0.08	0.08	0.08	0.06	0.1	0.05		
Metaldehyde	0.1	ug/l	UK DWS	20	0.2	0.6	< 0.1	0.2	0.2	0.3	0.2	< 0.1	0.4	0.2	< 0.2		
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		
Chlorbufam	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 1.0
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 1.0
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1
Phenmedipham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1
Propham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1
Dimefuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1
Metoxuron	0.1	ug/l	UK DWS	1	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.2		< 0.1
Pencycuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		
Diclofop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1
Ametryn	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		
Atrazine-methoxy	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1
Bromacil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		
Flamprop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	0.04	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02
Flamprop-isopropyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02
Prometon	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1
Simetryn	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1
4-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Perylene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0	< 20	< 20		< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20		< 0.1
Carbetamide	100	ng/l	UK DWS	0	< 20	< 20		< 20	< 20	< 20	< 100.00	< 200.00	< 20	< 20	< 200.00		< 0.1
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
Total phthalates	N/A	mg/l	-	0				< 3.5									
Glycols																	
Ethylene Glycol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Diethylene Glycol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
1,2-Propanediol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Rodenticides																	
Triazine Pesticides																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					961489	979301	997698	1020259	1052137	1074202	1096403	1106500	1133260	1163627	1182059		
Client Sample No					ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH27	ARP16-CP-BH27
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	None Supplied	26.96-41.86	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	37.00	None Supplied	None Supplied	10/02/1900	10/02/1900
Depth to Bottom					None Supplied									None Supplied	30.77-42.11		
Date Sampled					15/05/2018	11/06/2018	09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018	16/01/2019	25/02/2019	20/03/2019	16/11/16	22/11/16
Sample Type						None Supplied	1320	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Atrazine	0.1	ug/l	UK DWS	18	< 0.05	0.07		0.05	0.06	0.09	0.07	0.05	0.06	0.06	0.07		< 0.1
Simazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1
Prometryn	0.1	ug/l	UK DWS	0	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1
Propazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1
Terbuthylazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1
Terbutryn	0.1	ug/l	UK DWS	0	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		
2,4-D butyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		
2,4-D ethyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02
Benazolin	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02
Clopyralid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.20	< 0.20	< 0.02		< 0.02
Ioxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02
2,4-D	0.1	ug/l	UK DWS	1	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02	< 0.02	< 0.02		< 0.02
Dicamba	0.1	ug/l	UK DWS	1	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	0.060	< 0.02	< 0.02	0.120		< 0.02
Dichlorprop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02
MCPA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02
MCPB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02
Mecoprop	0.1	ug/l	UK DWS	15	< 0.02	0.15		0.05	0.15	0.21	0.14	0.14	0.11	0.1	0.14		< 0.02
Picloram	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Isodrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Trifluralin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	1	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					961489	979301	997698	1020259	1052137	1074202	1096403	1106500	1133260	1163627	1182059		
Client Sample No					ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH27	ARP16-CP-BH27
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	None Supplied	26.96-41.86	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	37.00	None Supplied	None Supplied	10/02/1900	10/02/1900
Depth to Bottom					None Supplied									None Supplied	30.77-42.11		
Date Sampled					15/05/2018	11/06/2018	09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018	16/01/2019	25/02/2019	20/03/2019	16/11/16	22/11/16
Sample Type						None Supplied	1320	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02
Triclorpyr	0.1	ug/l	UK DWS	1	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Chlorfenvinphos I	0.1	ug/l	UK DWS	0													
Chlorfenvinphos II	0.1	ug/l	UK DWS	0													
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0													< 0.01
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Fenthion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100
Chlortoluron	100	ng/l	UK DWS	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100
Diflubenzuron	100	ng/l	UK DWS	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100
Diuron	100	ng/l	UK DWS	11	15	< 10		29	21	25	29	19	22	19	27		< 100
Linuron	100	ng/l	UK DWS	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100
Methabenzthiazuron	100	ng/l	UK DWS	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100
Monolinuron	100	ng/l	UK DWS	0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100
Monuron	100	ng/l	UK DWS	0	19.000	< 10		12.000	19.000	23.000	32.000	21.000	21.000	26.000	32.000		< 100
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 50		
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10		
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10		
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10		
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Heptanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1
Cypermethrin	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		<10
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		<10
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		<10
Chlorophenols																	
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.001	< 0.001
Others																	
Chlordane	0.0001	mg/l	UK DWS	0													< 0.00001
Chlorothalonil	0.0001	mg/l	UK DWS	0													< 0.00001

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	961489	979301	997698	1020259	1052137	1074202	1096403	1106500	1133260	1163627	1182059		
Client Sample No					ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH24	ARP16-CP-BH27	ARP16-CP-BH27
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Depth to Top					None Supplied	None Supplied	26.96-41.86	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	37.00	None Supplied	None Supplied	10/02/1900	10/02/1900
Depth to Bottom					None Supplied									None Supplied	30.77-42.11		
Date Sampled					15/05/2018	11/06/2018	09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018	16/01/2019	25/02/2019	20/03/2019	16/11/16	22/11/16
Sample Type						None Supplied	1320	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Chlorpyrifos	0.0001	mg/l	UK DWS	0													< 0.00001
Pendimethalin	0.0001	mg/l	UK DWS	0													< 0.00001
Bromoform	0.1	mg/l	WHO	0												< 0.001	
Methane	N/A	ug/l	-	0										< 0.1	< 0.1		

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID										951127	962361	980066	999561	1020260	1053168	1075120	1099108
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					10/02/1900	12/02/1900	11/02/1900	11/02/1900	12/02/1900	None Supplied	None Supplied	None Supplied	39.22-53.57	None Supplied	None Supplied	None Supplied	5.00-5.00
Depth to Bottom										None Supplied	None Supplied						
Date Sampled					30/11/16	03/02/17	07/03/17	04/04/17	17/05/17	26/04/2018	16/05/2018	12/06/2018	11/07/2018	09/08/2018	25/09/2018	24/10/2018	22/11/2018
Sample Type										None Supplied		None Supplied	0900	None Supplied	None Supplied	None Supplied	None Supplied
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-							7.3	7.3	7.4	7.3	7.3	7.3	7.3	7.3
Total Cyanide	50	ug/l	UK DWS	0		< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Complex Cyanides	50	ug/l	UK DWS	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Free Cyanide	50	ug/l	UK DWS	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thiocyanate as SCN	50	ug/l	UK DWS	0						< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Sulphate as SO4	250000	ug/l	UK DWS	0		30000	29000	29000	27000	26300	18000	28500	26400	24700	28000	30500	22500
Sulphide	250000	ug/l	UK DWS	0		< 100	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloride	250	mg/l	UK DWS	0		25.99	28.41	25.48	25	25	24	23	24	30	25	21	25
Fluoride	1500	ug/l	UK DWS	0		100	170	160	320	160	210	170	180	150	260	310	220
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	22		< 20	< 20	< 20	< 20	150	< 15	57	36	< 15	< 15	37	79
Nitrate as N	11.3	mg/l	UK DWS	1						9.41	9.67	8.53	9.38	9.89	9.71	8.99	9.34
Nitrate as NO3	50	mg/l	UK DWS	2		47.8	39.56	24.78	39.29	41.7	42.8	37.8	41.6	43.8	43	39.8	41.4
Nitrite as N	160	ug/l	UK DWS	4						< 1.0	18	5.7	2.3	2	14	91	6.1
Nitrite as NO2	500	ug/l	UK DWS	4		< 100	< 100	< 100	< 100	< 5.0	59	19	7.6	6.5	47	300	20
Alkalinity	N/A	mg/l	-	0		236	255	210	211	410	420	400	420	420	470	380	130
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0						< 2.0	5.2	5.3	< 2.0	4	22	8.1	17
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0						1.2	< 1.0	1.2	1.2	1.5	1.3	1.2	1.6
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	2		10.8	8.9	5.6	8.9	9.4	9.7	8.5	9.4	9.9	9.7	9.1	9.3
Total Suspended Solids	N/A	mg/l	-	0		837	6807	605	632	110	400	150	350	1800	920	870	320
Hardness - Total	N/A	mg/l	-	0		291	338	317	334	291	256	273	230	278	300	316	252
Bromide	N/A	mg/l	-	0						0.073	0.062	0.075	0.074	0.083	0.079	0.076	0.07
Bromate	0.01	mg/l	UK DWS	0						< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Phenols																	
Catechol	7.7	ug/l	FEQS	0						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Resorcinol	7.7	ug/l	FEQS	0						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Cresols	100	ug/l	FEQS	0						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Naphthols	7.7	ug/l	FEQS	0						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Isopropylphenol	7.7	ug/l	FEQS	0						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Phenol	7.7	ug/l	FEQS	0						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trimethylphenol	100	ug/l	FEQS	0						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	< 1	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	< 1	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	2000	ug/l	USEPA	0	< 1	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	2	ug/l	FEQS	0	< 1	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	2	ug/l	FEQS	0	< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	0.1	ug/l	FEQS	0	< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	0.0063	ug/l	FEQS	0	< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	2	ug/l	FEQS	0	< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	2	ug/l	FEQS	0	< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	2	ug/l	FEQS	0	< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Heavy metals and metalloids																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID										951127	962361	980066	999561	1020260	1053168	1075120	1099108
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					10/02/1900	12/02/1900	11/02/1900	11/02/1900	12/02/1900	None Supplied	None Supplied	None Supplied	39.22-53.57	None Supplied	None Supplied	None Supplied	5.00-5.00
Depth to Bottom										None Supplied	None Supplied						
Date Sampled					30/11/16	03/02/17	07/03/17	04/04/17	17/05/17	26/04/2018	16/05/2018	12/06/2018	11/07/2018	09/08/2018	25/09/2018	24/10/2018	22/11/2018
Sample Type										None Supplied		None Supplied	0900	None Supplied	None Supplied	None Supplied	None Supplied
Antimony	5	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 0.4	< 0.4	< 0.4	< 0.4	0.4	< 0.4	< 0.4	0.4
Arsenic	10	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	0.25	< 0.15	0.58	0.56	0.26	< 0.15	< 0.15	0.25
Barium	700	ug/l	WHO	0						90	85	79	75	96	76	73	84
Beryllium	4	ug/l	USEPA	0		< 1	< 1	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron	1000	ug/l	UK DWS	1						41	18	41	69	59	40	41	< 10
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0		< 0.2	< 0.2	< 0.2	< 0.2	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Calcium	N/A	mg/l	-	0		114	131	124	131	110	100	110	89	110	120	120	98
Chromium VI	3.4	ug/l	FEQS	2						< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium III	4.7	ug/l	FEQS	0						1.7	1.1	2.4	2.7	1.8	1.7	1.1	1.1
Chromium Total	50	ug/l	UK DWS	0		< 1	6	< 1	1	1.7	1.1	2.4	2.7	1.8	1.7	1.1	1.1
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	2.7		< 0.5	3.8	12	1.1	1.4	< 0.5
Iron	0.2	mg/l	UK DWS	2		0.014	0.011	< 0.01	0.014	0.024	0.043	< 0.004	0.024	< 0.004	0.029	< 0.004	0.004
Lead	10	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.3
Magnesium	N/A	mg/l	-	0		2	2	2	2	2	1.7	1.9	1.8	1.7	1.9	2	1.8
Manganese (bioavailable)	50	ug/l	UK DWS	26		5	2	1	4	1.9	1.4	4	6.4	3.4	0.45	0.73	0.49
Mercury	1	ug/l	UK DWS	2		< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	0.1	< 0.05	< 0.05	< 0.05	< 0.05
Molybdenum	70	ug/l	WHO	0						< 0.05	0.14	0.19	0.1	0.69	< 0.05	< 0.05	0.15
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	2		< 1	< 1	< 1	1	1.2	0.7	0.5	0.8	1.5	0.7	< 0.5	< 0.5
Potassium	N/A	mg/l	-	0		<1	2	5	1	0.74	0.59	0.68	0.64	0.64	0.61	0.86	0.52
Selenium	10	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	0.7	0.7	< 0.6	< 0.6	0.7	1	< 0.6	0.9
Sodium	50	mg/l	WHO	26		11	11	11	11	13	9.7	11	10	10	10	12	7.9
Vanadium	20	ug/l	FEQS	0		< 1	< 1	< 1	< 1	0.3	0.3	0.6	0.6	0.4	0.3	0.3	< 0.2
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0		6	2	2	12	3.9	1.6	1.5	5.2	3.6	0.9	1.2	1.3
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes	30	ug/l	FEQS	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0													
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C21-C35 Aliphatics	300	ug/l	WHO	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
C5-C35 Aliphatics	N/A	ug/l	-	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C5-C6 Aromatics	10	ug/l	WHO	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C7-C8 Aromatics	700	ug/l	WHO	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C9 Aromatics	300	ug/l	WHO	0													
TPH >C9-C10 Aromatics	300	ug/l	WHO	0													
TPH >C8-C10 Aromatics	300	ug/l	WHO	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12 Aromatics	90	ug/l	WHO	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aromatics	90	ug/l	WHO	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C16-C21 Aromatics	90	ug/l	WHO	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C21-C35 Aromatics	90	ug/l	WHO	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C35-C44 Aromatics	90	ug/l	WHO	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID										951127	962361	980066	999561	1020260	1053168	1075120	1099108
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					10/02/1900	12/02/1900	11/02/1900	11/02/1900	12/02/1900	None Supplied	None Supplied	None Supplied	39.22-53.57	None Supplied	None Supplied	None Supplied	5.00-5.00
Depth to Bottom										None Supplied	None Supplied						
Date Sampled					30/11/16	03/02/17	07/03/17	04/04/17	17/05/17	26/04/2018	16/05/2018	12/06/2018	11/07/2018	09/08/2018	25/09/2018	24/10/2018	22/11/2018
Sample Type										None Supplied		None Supplied	0900	None Supplied	None Supplied	None Supplied	None Supplied
C5-C35 Aromatics	N/A	ug/l	-	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
C5-C35 Aromatics	N/A	ug/l	-	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs																	
Chloromethane	20	ug/l	FEQS	0		< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	3	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	100	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	0.5	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	2.5	ug/l	FEQS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	7	ug/l	USEPA	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2 Dichloroethene	50	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1 -Dichloroethane	3	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	40	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	2.5	ug/l	FEQS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	100	ug/l	FEQS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	3	ug/l	UK DWS	0		< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	20	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2 Dichloroethene	50	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	1	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	3	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	40	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	10	ug/l	UK DWS	2		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	100	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	100	ug/l	UK DWS	0		< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3 Dichloropropene	20	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3 Dichloropropene	20	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	400	ug/l	FEQS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	40	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	100	ug/l	WHO	0		< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	10	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	0.4	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	0.4	ug/l	FEQS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylenes	30	ug/l	FEQS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	20	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	########	ug/l	Default	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	30	ug/l	FEQS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Iso-propylbenzene	1	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	1	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Propylbenzene	1	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	700	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	700	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	1	ug/l	UK DWS	0		< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	1	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	74	ug/l	FEQS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID										951127	962361	980066	999561	1020260	1053168	1075120	1099108
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					10/02/1900	12/02/1900	11/02/1900	11/02/1900	12/02/1900	None Supplied	None Supplied	None Supplied	39.22-53.57	None Supplied	None Supplied	None Supplied	5.00-5.00
Depth to Bottom										None Supplied	None Supplied						
Date Sampled					30/11/16	03/02/17	07/03/17	04/04/17	17/05/17	26/04/2018	16/05/2018	12/06/2018	11/07/2018	09/08/2018	25/09/2018	24/10/2018	22/11/2018
Sample Type										None Supplied		None Supplied	0900	None Supplied	None Supplied	None Supplied	None Supplied
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Butylbenzene	1	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0		< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1	< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,6 Chloronitrotoluene	700	ug/l	WHO	0						< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4,2 Chloronitrotoluene	700	ug/l	WHO	0						< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4,3 Chloronitrotoluene	700	ug/l	WHO	0						< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4 Chloronitrotoluene	700	ug/l	WHO	0						< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,5 Chloronitrotoluene	700	ug/l	WHO	0						< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0		< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	40	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	100	ug/l	WHO	0		< 5	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane	20	ug/l	FEQS	0		< 5	< 5	< 5	< 5	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Carbon disulphide	#######	ug/l	Default	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	20	ug/l	FEQS	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	50	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachloroethane	40	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Isophorone	7000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	#######	ug/l	Default	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chloronaphthalene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dimethylphthalate	800	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenzofuran	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Diethyl phthalate	200	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	#######	ug/l	Default	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	1	ug/l	USEPA	0		< 1	< 1	< 1	< 0.01	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	2	ug/l	FEQS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Carbazole	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0	< 0.001					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 81	25	ug/l	FEQS	0	< 0.001					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 105	25	ug/l	FEQS	0	< 0.001					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 114	25	ug/l	FEQS	0	< 0.001					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 118	25	ug/l	FEQS	0	< 0.002					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID										951127	962361	980066	999561	1020260	1053168	1075120	1099108
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					10/02/1900	12/02/1900	11/02/1900	11/02/1900	12/02/1900	None Supplied	None Supplied	None Supplied	39.22-53.57	None Supplied	None Supplied	None Supplied	5.00-5.00
Depth to Bottom										None Supplied	None Supplied						
Date Sampled					30/11/16	03/02/17	07/03/17	04/04/17	17/05/17	26/04/2018	16/05/2018	12/06/2018	11/07/2018	09/08/2018	25/09/2018	24/10/2018	22/11/2018
Sample Type										None Supplied		None Supplied	0900	None Supplied	None Supplied	None Supplied	None Supplied
PCB Congener 123	25	ug/l	FEQS	0	< 0.001					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 126	25	ug/l	FEQS	0	< 0.001					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 156	25	ug/l	FEQS	0	< 0.001					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 157	25	ug/l	FEQS	0	< 0.001					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 167	25	ug/l	FEQS	0	< 0.001					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 169	25	ug/l	FEQS	0	< 0.001					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 189	25	ug/l	FEQS	0	< 0.001					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCBs	25	ug/l	FEQS	0						< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	1						< 0.05	< 0.05	0.06	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0						< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Metaldehyde	0.1	ug/l	UK DWS	20						< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0						< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chlorbufam	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Chloroxuron	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Chlorpropham	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Ethiofencarb	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Phenmedipham	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Propham	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Dimefuron	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Metoxuron	0.1	ug/l	UK DWS	1						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Pencycuron	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
o,p-Methoxychlor	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Diclofop	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cyhalothrin	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Ametryn	0.1	ug/l	UK DWS	0					< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Atrazine-methoxy	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Bromacil	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Flamprop	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Flamprop-isopropyl	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Prometon	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Simetryn	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
4-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Perylene	2	ug/l	FEQS	0		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0						< 20	< 20	< 20		< 20	< 20	< 20	< 20
Carbetamide	100	ng/l	UK DWS	0						< 20	< 20	< 20		< 20	< 20	< 20	< 100.00
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	0	< 2	< 2	< 2	< 2	< 10	< 1.0	5.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total phthalates	N/A	mg/l	-	0										< 3.5			
Glycols																	
Ethylene Glycol	ISSUE	mg/l	Default	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Diethylene Glycol	ISSUE	mg/l	Default	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Propanediol	ISSUE	mg/l	Default	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Rodenticides																	
Triazine Pesticides																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID										951127	962361	980066	999561	1020260	1053168	1075120	1099108
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					10/02/1900	12/02/1900	11/02/1900	11/02/1900	12/02/1900	None Supplied	None Supplied	None Supplied	39.22-53.57	None Supplied	None Supplied	None Supplied	5.00-5.00
Depth to Bottom										None Supplied	None Supplied						
Date Sampled					30/11/16	03/02/17	07/03/17	04/04/17	17/05/17	26/04/2018	16/05/2018	12/06/2018	11/07/2018	09/08/2018	25/09/2018	24/10/2018	22/11/2018
Sample Type										None Supplied		None Supplied	0900	None Supplied	None Supplied	None Supplied	None Supplied
Atrazine	0.1	ug/l	UK DWS	18						< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05
Simazine	0.1	ug/l	UK DWS	0						< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05
Prometryn	0.1	ug/l	UK DWS	0						< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05
Propazine	0.1	ug/l	UK DWS	0						< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05
Terbuthylazine	0.1	ug/l	UK DWS	0						< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05
Terbutryn	0.1	ug/l	UK DWS	0						< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
2,4-D butyl ester	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
2,4-D ethyl ester	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Benazolin	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Bromoxynil	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Clopyralid	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Ioxynil	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-T	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-TP	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
2,4-D	0.1	ug/l	UK DWS	1						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
2,4-DB	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Dicamba	0.1	ug/l	UK DWS	1						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Dichlorprop	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
MCPA	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
MCPB	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Mecoprop	0.1	ug/l	UK DWS	15						< 0.02	< 0.02	< 0.02		0.12	< 0.02	< 0.02	< 0.02
Picloram	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dieldrin	0.03	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan Sulphate	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Endrin	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Trifluralin	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	1						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID										951127	962361	980066	999561	1020260	1053168	1075120	1099108
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					10/02/1900	12/02/1900	11/02/1900	11/02/1900	12/02/1900	None Supplied	None Supplied	None Supplied	39.22-53.57	None Supplied	None Supplied	None Supplied	5.00-5.00
Depth to Bottom										None Supplied	None Supplied						
Date Sampled					30/11/16	03/02/17	07/03/17	04/04/17	17/05/17	26/04/2018	16/05/2018	12/06/2018	11/07/2018	09/08/2018	25/09/2018	24/10/2018	22/11/2018
Sample Type										None Supplied		None Supplied	0900	None Supplied	None Supplied	None Supplied	None Supplied
Fluroxypyr	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	0.020		< 0.02	< 0.02	< 0.02	< 0.02
Triclorpyr	0.1	ug/l	UK DWS	1						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Azinphos-methyl	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos I	0.1	ug/l	UK DWS	0													
Chlorfenvinphos II	0.1	ug/l	UK DWS	0													
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0													
Diazinon	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Malathion	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0						< 10	< 10	< 10		< 10	< 10	< 10	< 10
Chlortoluron	100	ng/l	UK DWS	0						< 10	< 10	< 10		< 10	< 10	< 10	< 10
Diflubenzuron	100	ng/l	UK DWS	0						< 10	< 10	< 10		< 10	< 10	< 10	< 10
Diuron	100	ng/l	UK DWS	11						< 10	< 10	< 10		< 10	< 10	< 10	< 10
Linuron	100	ng/l	UK DWS	0						< 10	< 10	< 10		< 10	< 10	< 10	< 10
Methabenzthiazuron	100	ng/l	UK DWS	0						< 10	< 10	< 10		< 10	< 10	< 10	< 10
Monolinuron	100	ng/l	UK DWS	0						< 10	< 10	< 10		< 10	< 10	< 10	< 10
Monuron	100	ng/l	UK DWS	0						< 10	< 10	< 10		< 10	< 10	< 10	< 10
VFAs																	
Acetic acid	0.01	mg/l	Default	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
Propanoic acid	0.01	mg/l	Default	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
Butyric acid	0.01	mg/l	Default	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
Isobutyric acid	0.01	mg/l	Default	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
Pentanoic acid	0.01	mg/l	Default	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0		< 11	< 11	< 11	< 11	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0						< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cypermethrin	100	ng/l	UK DWS	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Deltramethrin	0.1	ug/l	UK DWS	0						< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Permethrin	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Permethrin	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	2						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chlorophenols																	
Pentachlorophenol	0.0004	mg/l	FEQS	0		< 0.001	< 0.001	< 0.001	< 0.00002	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Others																	
Chlordane	0.0001	mg/l	UK DWS	0													
Chlorothalonil	0.0001	mg/l	UK DWS	0													

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**						951127	962361	980066	999561	1020260	1053168	1075120	1099108
Client Sample No					ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					10/02/1900	12/02/1900	11/02/1900	11/02/1900	12/02/1900	None Supplied	None Supplied	None Supplied	39.22-53.57	None Supplied	None Supplied	None Supplied	5.00-5.00
Depth to Bottom										None Supplied	None Supplied						
Date Sampled					30/11/16	03/02/17	07/03/17	04/04/17	17/05/17	26/04/2018	16/05/2018	12/06/2018	11/07/2018	09/08/2018	25/09/2018	24/10/2018	22/11/2018
Sample Type										None Supplied		None Supplied	0900	None Supplied	None Supplied	None Supplied	None Supplied
Chlorpyrifos	0.0001	mg/l	UK DWS	0													
Pendimethalin	0.0001	mg/l	UK DWS	0													
Bromoform	0.1	mg/l	WHO	0		< 0.001	< 0.001	< 0.001	< 0.001								
Methane	N/A	ug/l	-	0		1	< 1	< 2	1								

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary														
Lab Sample ID					1107475	1134169	1160660	1180863									951128	962362
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29
Client Sample ID					None Supplied	None Supplied											None Supplied	None Supplied
Depth to Top					None Supplied	4.90	None Supplied	None Supplied	02/02/1900	02/02/1900	02/02/1900	03/02/1900	03/02/1900	03/02/1900	03/02/1900		None Supplied	None Supplied
Depth to Bottom							None Supplied	43.33-54.18									None Supplied	None Supplied
Date Sampled					04/12/2018	17/01/2019	20/02/2019	19/03/2019	16/11/16	22/11/16	30/11/16	03/02/17	07/03/17	04/04/17	17/05/17		26/04/2018	16/05/2018
Sample Type					None Supplied	None Supplied											None Supplied	
Inorganics																		
Organics																		
General inorganics																		
pH	N/A	pH units	-		7.3	7.3	7.3	7.4									7.3	7.2
Total Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 5			< 5	< 5	< 5	< 5		< 10	< 10
Complex Cyanides	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 5								< 10	< 10
Free Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 5								< 10	< 10
Thiocyanate as SCN	50	ug/l	UK DWS	0	< 200	< 200	< 200	< 200									< 200	< 200
Sulphate as SO4	250000	ug/l	UK DWS	0	25400	25500	26400	27100				10000	10000	11000	9000		17500	12600
Sulphide	250000	ug/l	UK DWS	0	< 5.0	< 5.0	< 5.0	< 5.0				< 100	< 100	< 100	< 100		< 5.0	< 5.0
Chloride	250	mg/l	UK DWS	0	23	23	24	23				22.19	20.96	22.47	22		27	24
Fluoride	1500	ug/l	UK DWS	0	270	180	360	200				110	180	160	290		160	170
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	22	110	100	< 15	27				< 20	< 20	40	20		120	66
Nitrate as N	11.3	mg/l	UK DWS	1	9.23	9.81	9.36	9.64									9.27	9.88
Nitrate as NO3	50	mg/l	UK DWS	2	40.9	43.5	41.5	42.7				32.43	28.87	22.77	30.43		41	43.7
Nitrite as N	160	ug/l	UK DWS	4	26	23	18	20									< 1.0	28
Nitrite as NO2	500	ug/l	UK DWS	4	85	74	59	66				< 100	< 100	< 100	< 100		< 5.0	93
Alkalinity	N/A	mg/l	-	0	200	320	390	350				275	291	244	240		450	450
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	17	11	< 2.0	34	<6								< 2.0	5.2
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	< 1.0	1.5	< 1.0	< 1.0	<1								< 1.0	< 1.0
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	2	9.3	9.8	9.4	9.7				7.3	6.5	5.2	6.9		9.3	9.9
Total Suspended Solids	N/A	mg/l	-	0	790	15	1800	520				8943	198	7530	1896		43	540
Hardness - Total	N/A	mg/l	-	0	266	284	340	312				317	339	332	335		305	251
Bromide	N/A	mg/l	-	0	0.14	0.058	0.067	0.065									0.086	0.069
Bromate	0.01	mg/l	UK DWS	0	< 0.002	< 0.002	< 0.002	< 0.002									< 0.002	< 0.002
Phenols																		
Catechol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5									< 0.5	< 0.5
Resorcinol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 10								< 0.5	< 0.5
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5									< 0.5	< 0.5
Cresols	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 10								< 0.5	< 0.5
Naphthols	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5									< 0.5	< 0.5
Isopropylphenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5									< 0.5	< 0.5
Phenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 10								< 0.5	< 0.5
Trimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5									< 0.5	< 0.5
Speciated PAHs																		
Naphthalene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Fluorene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Anthracene	0.1	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Fluoranthene	0.0063	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Pyrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Chrysene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01		< 0.001	< 0.001
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01		< 0.001	< 0.001
Heavy metals and metalloids																		

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary														
Lab Sample ID					1107475	1134169	1160660	1180863									951128	962362
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29
Client Sample ID					None Supplied	None Supplied											None Supplied	None Supplied
Depth to Top					None Supplied	4.90	None Supplied	None Supplied	02/02/1900	02/02/1900	02/02/1900	03/02/1900	03/02/1900	03/02/1900	03/02/1900		None Supplied	None Supplied
Depth to Bottom							None Supplied	43.33-54.18									None Supplied	None Supplied
Date Sampled					04/12/2018	17/01/2019	20/02/2019	19/03/2019	16/11/16	22/11/16	30/11/16	03/02/17	07/03/17	04/04/17	17/05/17		26/04/2018	16/05/2018
Sample Type					None Supplied	None Supplied											None Supplied	
Antimony	5	ug/l	UK DWS	0	< 0.4	0.7	< 0.4	< 0.4				< 1	< 1	< 1	< 1		< 0.4	< 0.4
Arsenic	10	ug/l	UK DWS	0	< 0.15	< 0.15	< 0.15	0.3	< 1			< 1	< 1	< 1	< 1		0.31	0.21
Barium	700	ug/l	WHO	0	73	69	76	63	188								180	130
Beryllium	4	ug/l	USEPA	0	< 0.1	< 0.1	< 0.1	< 0.1	< 1			< 1	< 1	< 1	< 1		< 0.1	< 0.1
Boron	1000	ug/l	UK DWS	1	27	14	51	38	17								< 10	< 10
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.2			< 0.2	< 0.2	< 0.2	< 0.2		0.03	< 0.02
Calcium	N/A	mg/l	-	0	100	110	130	120				123	132	130	130		120	96
Chromium VI	3.4	ug/l	FEQS	2	< 5.0	< 5.0	< 5.0	< 5.0	< 10								< 5.0	< 5.0
Chromium III	4.7	ug/l	FEQS	0	1.8	1.2	1.4	1.5									1.4	1.5
Chromium Total	50	ug/l	UK DWS	0	1.8	1.2	1.4	1.5	< 1			< 1	< 1	< 1	< 1		1.4	1.5
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	1.3	< 0.5	1	2.1	< 1			1	< 1	< 1	< 1		1.1	
Iron	0.2	mg/l	UK DWS	2	< 0.004	< 0.004	0.01	< 0.004				0.022	< 0.01	< 0.01	0.011		0.013	0.054
Lead	10	ug/l	UK DWS	0	< 0.2	< 0.2	< 0.2	< 0.2	< 1			< 1	< 1	< 1	< 1		< 0.2	0.6
Magnesium	N/A	mg/l	-	0	1.7	2	2.8	1.9				2	2	2	2		3.1	2.5
Manganese (bioavailable)	50	ug/l	UK DWS	26	0.54	0.57	< 0.05	2.2				4	1	1	3		1.4	21
Mercury	1	ug/l	UK DWS	2	< 0.05	< 0.05	< 0.05	0.24	< 0.1			< 0.1	< 0.1	< 0.1	< 0.1		< 0.05	< 0.05
Molybdenum	70	ug/l	WHO	0	0.44	0.31	0.15	0.62									< 0.05	< 0.05
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	2	0.9	0.75	0.6	0.8	< 1			< 1	< 1	< 1	< 1		0.5	0.7
Potassium	N/A	mg/l	-	0	0.72	0.8	4.2	0.7				<1	<1	<1	<1		0.82	0.59
Selenium	10	ug/l	UK DWS	0	0.7	9.8	< 0.6	< 0.6	< 1			< 1	< 1	< 1	< 1		0.9	< 0.6
Sodium	50	mg/l	WHO	26	9.7	0.2	36	11				7	6	6	6		8.2	7
Vanadium	20	ug/l	FEQS	0	0.2		< 0.2	0.4	< 1			< 1	< 1	< 1	< 1		0.2	0.6
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	2.3	1.1	2	3.5	3			13	2	3	5		4.3	0.6
Monoaromatics																		
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0									< 1.0	< 1.0
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1								< 1.0	< 1.0
Petroleum hydrocarbons																		
TPH	N/A	ug/l	-	0					< 5									
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1								< 1.0	< 1.0
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1								< 1.0	< 1.0
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1								< 1.0	< 1.0
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 5								< 10	< 10
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 5								< 10	< 10
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 5								< 10	< 10
TPH >C21-C35 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 5								< 10	< 10
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	0	< 10	< 10	< 10	< 10									< 10	< 10
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0	< 10	< 10	< 10	< 10									< 10	< 10
C5-C35 Aliphatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10									< 10	< 10
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0	< 10	< 10	< 10	< 10									< 10	< 10
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1								< 1.0	< 1.0
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1								< 1.0	< 1.0
TPH >C8-C9 Aromatics	300	ug/l	WHO	0					< 1									
TPH >C9-C10 Aromatics	300	ug/l	WHO	0					< 1									
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0									< 1.0	< 1.0
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10						< 5			< 10	< 10
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10						< 5			< 10	< 10
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10						< 5			< 10	< 10
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10						< 5			< 10	< 10
TPH >C35-C44 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10									< 10	< 10

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary														
Lab Sample ID					1107475	1134169	1160660	1180863									951128	962362
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29
Client Sample ID					None Supplied	None Supplied											None Supplied	None Supplied
Depth to Top					None Supplied	4.90	None Supplied	None Supplied	02/02/1900	02/02/1900	02/02/1900	03/02/1900	03/02/1900	03/02/1900	03/02/1900		None Supplied	None Supplied
Depth to Bottom							None Supplied	43.33-54.18									None Supplied	None Supplied
Date Sampled					04/12/2018	17/01/2019	20/02/2019	19/03/2019	16/11/16	22/11/16	30/11/16	03/02/17	07/03/17	04/04/17	17/05/17		26/04/2018	16/05/2018
Sample Type					None Supplied	None Supplied											None Supplied	
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10									< 10	< 10
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10									< 10	< 10
VOCs																		
Chloromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 10			< 10	< 10	< 10	< 10		< 1.0	< 1.0
Chloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Bromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0									< 1.0	< 1.0
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1								< 1.0	< 1.0
1,1 -Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
2,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Trichloromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 2			< 2	< 2	< 2	< 2		< 1.0	< 1.0
1,1-Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Tetrachloromethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
1,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Trichloroethene	10	ug/l	UK DWS	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Dibromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Bromodichloromethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 10			< 10	< 10	< 10	< 10		< 1.0	< 1.0
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0									< 1.0	< 1.0
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
1,3-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Dibromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 3			< 3	< 3	< 3	< 3		< 1.0	< 1.0
Tetrachloroethene	10	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Chlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0									< 1.0	< 1.0
m,p-Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Styrene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Tribromomethane	#######	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1.0									< 1.0	< 1.0
o-Xylene	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Bromobenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
2-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
4-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 2			< 2	< 2	< 2	< 2		< 1.0	< 1.0
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1	< 1		< 1.0	< 1.0
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1	< 1		< 1.0	< 1.0

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary														
Lab Sample ID					1107475	1134169	1160660	1180863									951128	962362
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29
Client Sample ID					None Supplied	None Supplied											None Supplied	None Supplied
Depth to Top					None Supplied	4.90	None Supplied	None Supplied	02/02/1900	02/02/1900	02/02/1900	03/02/1900	03/02/1900	03/02/1900	03/02/1900		None Supplied	None Supplied
Depth to Bottom							None Supplied	43.33-54.18									None Supplied	None Supplied
Date Sampled					04/12/2018	17/01/2019	20/02/2019	19/03/2019	16/11/16	22/11/16	30/11/16	03/02/17	07/03/17	04/04/17	17/05/17		26/04/2018	16/05/2018
Sample Type					None Supplied	None Supplied											None Supplied	
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1	< 1		< 1.0	< 1.0
n-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 2			< 2	< 2	< 2	< 2		< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 3		< 1	< 3	< 3	< 3	< 3		< 1.0	< 1.0
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1	< 1		< 1.0	< 1.0
2,6 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1									< 1	< 1
4,2 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1									< 1	< 1
4,3 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1									< 1	< 1
2,4 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1									< 1	< 1
2,5 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1									< 1	< 1
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 3			< 3	< 3	< 3	< 3		< 1.0	< 1.0
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0									< 1.0	< 1.0
Bromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 5			< 5	< 5	< 5	< 5		< 1.0	< 1.0
Dichloromethane	20	ug/l	FEQS	0	< 100	< 100	< 3.0	< 3.0	< 5			< 5	< 5	< 5	< 5		< 100	< 100
Carbon disulphide	#######	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1		< 1.0	< 1.0
SVOCs																		
Phenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
2-Chlorophenol	50	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
2-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
Hexachloroethane	40	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
Nitrobenzene	1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
4-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
Isophorone	7000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
2-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
Bis(2-chloroethoxy)methane	#######	ug/l	Default	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
2-Methylnaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
2-Chloronaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
Dimethylphthalate	800	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
Dibenzofuran	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
Diethyl phthalate	200	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
Bromophenyl phenyl ether	#######	ug/l	Default	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
Hexachlorobenzene	1	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1		< 1	< 1	< 1	< 1		< 0.05	< 0.05
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01									< 0.01	< 0.01
Carbazole	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1		< 0.05	< 0.05
PCBs by GC-ECD - WHO 12																		
PCB Congener 77	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001						< 0.020	< 0.020
PCB Congener 81	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001						< 0.020	< 0.020
PCB Congener 105	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001						< 0.020	< 0.020
PCB Congener 114	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001						< 0.020	< 0.020
PCB Congener 118	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020			< 0.002						< 0.020	< 0.020

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary														
Lab Sample ID					1107475	1134169	1160660	1180863									951128	962362
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29
Client Sample ID					None Supplied	None Supplied											None Supplied	None Supplied
Depth to Top					None Supplied	4.90	None Supplied	None Supplied	02/02/1900	02/02/1900	02/02/1900	03/02/1900	03/02/1900	03/02/1900	03/02/1900		None Supplied	None Supplied
Depth to Bottom							None Supplied	43.33-54.18									None Supplied	None Supplied
Date Sampled					04/12/2018	17/01/2019	20/02/2019	19/03/2019	16/11/16	22/11/16	30/11/16	03/02/17	07/03/17	04/04/17	17/05/17		26/04/2018	16/05/2018
Sample Type					None Supplied	None Supplied											None Supplied	
PCB Congener 123	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001						< 0.020	< 0.020
PCB Congener 126	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001						< 0.020	< 0.020
PCB Congener 156	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001						< 0.020	< 0.020
PCB Congener 157	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001						< 0.020	< 0.020
PCB Congener 167	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001						< 0.020	< 0.020
PCB Congener 169	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001						< 0.020	< 0.020
PCB Congener 189	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001						< 0.020	< 0.020
PCBs	25	ug/l	FEQS	0	< 0.300	< 0.300	< 0.300	< 0.300									< 0.300	< 0.300
Environmental Forensics																		
PFOS	0.3	ug/l	DWS	1	< 0.05	< 0.05	< 0.05	< 0.05									< 0.05	< 0.05
PFOS	0.3	ug/l	DWS	0														
PFOA	0.3	ug/l	DWS	0	< 0.05	< 0.05	< 0.05	< 0.05									< 0.05	< 0.05
Metaldehyde	0.1	ug/l	UK DWS	20	< 0.1	< 0.1	< 0.1	< 0.2									< 0.1	< 0.1
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0	< 0.1	< 0.1	< 0.1	< 0.1									< 0.1	< 0.1
Chlorbufam	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10		< 1.0							< 0.10	< 0.10
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1							< 0.10	< 0.10
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10		< 1.0							< 0.10	< 0.10
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1							< 0.10	< 0.10
Phenmedipham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1							< 0.10	< 0.10
Propham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1							< 0.10	< 0.10
Dimefuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1							< 0.10	< 0.10
Metoxuron	0.1	ug/l	UK DWS	1	< 0.10	< 0.10	< 0.10	< 0.2		< 0.1							< 0.10	< 0.10
Pencycuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1							< 0.10	< 0.10
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10									< 0.10	< 0.10
Diclofop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1							< 0.10	< 0.10
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1							< 0.10	< 0.10
Ametryn	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10									< 0.10	< 0.10
Atrazine-methoxy	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1							< 0.10	< 0.10
Bromacil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02									< 0.02	< 0.02
Flamprop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
Flamprop-isopropyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
Prometon	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1							< 0.10	< 0.10
Simetryn	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1							< 0.10	< 0.10
4-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Perylene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbamates																		
Pirimicarb	100	ng/l	UK DWS	0	< 20	< 20	< 20	< 20		< 0.1							< 20	< 20
Carbetamide	100	ng/l	UK DWS	0	< 20	< 20	< 20	< 200.00		< 0.1							< 20	< 20
Phthalates																		
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0			< 2	< 2	< 2	< 2	< 10		< 1.0	< 1.0
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0			< 10	< 10	< 10	< 10	< 10		< 1.0	< 1.0
Total phthalates	N/A	mg/l	-	0														
Glycols																		
Ethylene Glycol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10									< 10	< 10
Diethylene Glycol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10									< 10	< 10
1,2-Propanediol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10									< 10	< 10
Rodenticides																		
Triazine Pesticides																		

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary														
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1107475	1134169	1160660	1180863									951128	962362
Client Sample No					ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29
Client Sample ID					None Supplied	None Supplied											None Supplied	None Supplied
Depth to Top					None Supplied	4.90	None Supplied	None Supplied	02/02/1900	02/02/1900	02/02/1900	03/02/1900	03/02/1900	03/02/1900	03/02/1900		None Supplied	None Supplied
Depth to Bottom							None Supplied	43.33-54.18									None Supplied	None Supplied
Date Sampled					04/12/2018	17/01/2019	20/02/2019	19/03/2019	16/11/16	22/11/16	30/11/16	03/02/17	07/03/17	04/04/17	17/05/17		26/04/2018	16/05/2018
Sample Type					None Supplied	None Supplied											None Supplied	
Atrazine	0.1	ug/l	UK DWS	18	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1							0.12	0.09
Simazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1							< 0.05	< 0.05
Prometryn	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1							< 0.05	< 0.05
Propazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1							< 0.05	< 0.05
Terbuthylazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1							< 0.05	< 0.05
Terbutryn	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1							< 0.05	< 0.05
Acid herbicides esters																		
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02									< 0.02	< 0.02
2,4-D butyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10									< 0.10	< 0.10
2,4-D ethyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10									< 0.10	< 0.10
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10									< 0.10	< 0.10
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10									< 0.10	< 0.10
Acid Herbicides																		
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
Benazolin	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
Clopyralid	0.1	ug/l	UK DWS	0	< 0.02	< 0.20	< 0.20 **	< 0.02		< 0.02							< 0.02	< 0.02
Ioxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
2,4-D	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
Dicamba	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
Dichlorprop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
MCPA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
MCPB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
Mecoprop	0.1	ug/l	UK DWS	15	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
Picloram	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
Organochlorine Pesticides																		
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01									< 0.01	< 0.01
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Trifluralin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Organonitrogen pesticides																		
Bentazone	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary														
Lab Sample ID					1107475	1134169	1160660	1180863									951128	962362
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29
Client Sample ID					None Supplied	None Supplied											None Supplied	None Supplied
Depth to Top					None Supplied	4.90	None Supplied	None Supplied	02/02/1900	02/02/1900	02/02/1900	03/02/1900	03/02/1900	03/02/1900	03/02/1900		None Supplied	None Supplied
Depth to Bottom							None Supplied	43.33-54.18									None Supplied	None Supplied
Date Sampled					04/12/2018	17/01/2019	20/02/2019	19/03/2019	16/11/16	22/11/16	30/11/16	03/02/17	07/03/17	04/04/17	17/05/17		26/04/2018	16/05/2018
Sample Type					None Supplied	None Supplied											None Supplied	
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
Triclorpyr	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02							< 0.02	< 0.02
Organophosphorous pesticides																		
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Chlorfenvinphos I	0.1	ug/l	UK DWS	0														
Chlorfenvinphos II	0.1	ug/l	UK DWS	0														
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0						< 0.01								
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Phenylurea herbicides																		
Isoproturon	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10		< 100							< 10	< 10
Chlortoluron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10		< 100							< 10	< 10
Diflubenzuron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10		< 100							< 10	< 10
Diuron	100	ng/l	UK DWS	11	< 10	< 10	< 10	< 10		< 100							46	33
Linuron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10		< 100							< 10	< 10
Methabenzthiazuron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10		< 100							< 10	< 10
Monolinuron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10		< 100							< 10	< 10
Monuron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10		< 100							< 10	< 10
VFAs																		
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 100.0				< 10	< 10	< 10	< 10		< 10	< 10
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10				< 10	< 10	< 10	< 10		< 10	< 10
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10				< 10	< 10	< 10	< 10		< 10	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10				< 10	< 10	< 10	< 10		< 10	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10				< 10	< 10	< 10	< 10		< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10				< 10	< 10	< 10	< 10		< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10				< 10	< 10	< 10	< 10		< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10				< 11	< 11	< 11	< 11		< 10	< 10
Pyrethroids																		
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1							< 0.1	< 0.1
Cypermethrin	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10		< 100							< 10	< 10
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1							< 0.1	< 0.1
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01							< 0.01	< 0.01
Organotins																		
Tributyltin compounds	0.2	ng/l	FEQS	0	< 10	< 10	< 10	< 10		<10							< 10	< 10
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 10	< 10	< 10	< 10		<10							< 10	< 10
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	2	< 10	< 10	< 10	< 10		<10							< 10	< 10
Chlorophenols																		
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001		< 0.05	< 0.05
Others																		
Chlordane	0.0001	mg/l	UK DWS	0						< 0.00001								
Chlorothalonil	0.0001	mg/l	UK DWS	0						< 0.00001								

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary														
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1107475	1134169	1160660	1180863									951128	962362
Client Sample No					ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH27	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29
Client Sample ID					None Supplied	None Supplied											None Supplied	None Supplied
Depth to Top					None Supplied	4.90	None Supplied	None Supplied	02/02/1900	02/02/1900	02/02/1900	03/02/1900	03/02/1900	03/02/1900	03/02/1900		None Supplied	None Supplied
Depth to Bottom							None Supplied	43.33-54.18									None Supplied	None Supplied
Date Sampled					04/12/2018	17/01/2019	20/02/2019	19/03/2019	16/11/16	22/11/16	30/11/16	03/02/17	07/03/17	04/04/17	17/05/17		26/04/2018	16/05/2018
Sample Type					None Supplied	None Supplied											None Supplied	
Chlorpyrifos	0.0001	mg/l	UK DWS	0						< 0.00001								
Pendimethalin	0.0001	mg/l	UK DWS	0						< 0.00001								
Bromoform	0.1	mg/l	WHO	0					< 0.001			< 0.001	< 0.001	< 0.001	< 0.001			
Methane	N/A	ug/l	-	0			< 0.1	< 0.1				1	< 1	< 2	< 2			

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					981284	998639	1020261	1053169	1074203	1099110	1107476	1133265	1163628	1180864			
Client Sample No					ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied					
Depth to Top					None Supplied	30.80-44.11	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	39.00	None Supplied	None Supplied	27/01/1900	27/01/1900	26/01/1900
Depth to Bottom													None Supplied	34.99-43.52			
Date Sampled					13/06/2018	10/07/2018	09/08/2018	25/09/2018	23/10/2018	22/11/2018	04/12/2018	16/01/2019	25/02/2019	19/03/2019	16/11/16	23/11/16	30/11/16
Sample Type					None Supplied	1225	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied					
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-		7.2	7.2	7.3	7.2	7.2	7.2	7.3	7.2	7.2	7.4			
Total Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5		
Complex Cyanides	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5		
Free Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5		
Thiocyanate as SCN	50	ug/l	UK DWS	0	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200			
Sulphate as SO4	250000	ug/l	UK DWS	0	18900	19300	14600	14000	10900	8040	8910	10700	10200	9790			
Sulphide	250000	ug/l	UK DWS	0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0			
Chloride	250	mg/l	UK DWS	0	27	24	25	23	21	21	20	23	24	22			
Fluoride	1500	ug/l	UK DWS	0	170	170	150	110	230	190	170	180	170	200			
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	22	< 15	17	180	< 15	59	39	91	24	< 15	20			
Nitrate as N	11.3	mg/l	UK DWS	1	9.81	10.9	9.44	7.97	0.28	7.05	6.78	6.75	6.55	7.21			
Nitrate as NO3	50	mg/l	UK DWS	2	43.5	48.2	41.8	35.3	1.23	31.2	30	29.9	29	31.9			
Nitrite as N	160	ug/l	UK DWS	4	6.1	< 1.0	8.2	13	15	5.1	24	4.9	16	20			
Nitrite as NO2	500	ug/l	UK DWS	4	20	< 5.0	27	42	50	17	78	16	53	66			
Alkalinity	N/A	mg/l	-	0	480	470	460	530	400	140	240	500	260	380			
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	< 2.0	3.9	< 2.0	11	5.3	30	< 2.0	7	23	42	13		
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	1.2	1.1	< 1.0	< 1.0	< 1.0	1.3	1	< 1.0	2.5	2	<1		
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	2	9.8	11	9.5	8	< 0.3	7.1	6.8	6.8	6.6	7.2			
Total Suspended Solids	N/A	mg/l	-	0	110	3000	180	130	200	15	140	74	220	870			
Hardness - Total	N/A	mg/l	-	0	335	327	309	325	332	280	268	321	382	329			
Bromide	N/A	mg/l	-	0	0.097	0.087	0.098	0.078	0.081	0.095	0.17	0.071	0.085	0.1			
Bromate	0.01	mg/l	UK DWS	0	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002			
Phenols																	
Catechol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			
Resorcinol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10		
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			
Cresols	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10		
Naphthols	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			
Isopropylphenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			
Phenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10		
Trimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1
Acenaphthylene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1
Fluorene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1
Anthracene	0.1	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1
Fluoranthene	0.0063	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1
Pyrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1
Chrysene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01		< 1
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01		< 1
Heavy metals and metalloids																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					981284	998639	1020261	1053169	1074203	1099110	1107476	1133265	1163628	1180864			
Client Sample No					ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied					
Depth to Top					None Supplied	30.80-44.11	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	39.00	None Supplied	None Supplied	27/01/1900	27/01/1900	26/01/1900
Depth to Bottom													None Supplied	34.99-43.52			
Date Sampled					13/06/2018	10/07/2018	09/08/2018	25/09/2018	23/10/2018	22/11/2018	04/12/2018	16/01/2019	25/02/2019	19/03/2019	16/11/16	23/11/16	30/11/16
Sample Type					None Supplied	1225	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied					
Antimony	5	ug/l	UK DWS	0	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4			
Arsenic	10	ug/l	UK DWS	0	0.22	0.23	0.61	0.22	0.17	0.15	< 0.15	0.23	0.2	0.39	< 1		
Barium	700	ug/l	WHO	0	160	120	120	110	120	120	110	120	120	110	64		
Beryllium	4	ug/l	USEPA	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 1		
Boron	1000	ug/l	UK DWS	1	19	15	43	19	12	< 10	< 10	< 10	24	52	15		
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.2		
Calcium	N/A	mg/l	-	0	130	130	120	130	130	110	100	130	150	130			
Chromium VI	3.4	ug/l	FEQS	2	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10		
Chromium III	4.7	ug/l	FEQS	0	1.4	1.7	2.2	1.6	< 1.0	1.1	1.1	1.6	< 1.0	1.3			
Chromium Total	50	ug/l	UK DWS	0	1.4	1.7	2.2	1.6	0.8	1.1	1.1	1.6	0.8	1.3	< 1		
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	1	4.1	2	2.6	0.7	0.7	1.5	2.6	3	2.1	< 1		
Iron	0.2	mg/l	UK DWS	2	< 0.004	0.007	< 0.004	0.01	0.006	0.005	0.42	< 0.004	< 0.004	0.025			
Lead	10	ug/l	UK DWS	0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.4	< 0.2	< 1		
Magnesium	N/A	mg/l	-	0	2.2	2.4	1.8	2	2.2	1.8	1.7	2.1	1.8	2.5			
Manganese (bioavailable)	50	ug/l	UK DWS	26	0.72	16	5.4	1	0.63	0.93	1.6	1.3	0.71	1.2			
Mercury	1	ug/l	UK DWS	2	< 0.05	< 0.05	< 0.05	< 0.05	0.09	< 0.05	< 0.05	< 0.05	< 0.05	0.16	< 0.1		
Molybdenum	70	ug/l	WHO	0	0.17	0.17	0.37	0.06	0.13	0.07	0.1	0.19	0.3	0.45			
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	2	< 0.5	3.8	0.7	0.8	< 0.5	0.7	0.6	0.9	0.6	< 0.5	< 1		
Potassium	N/A	mg/l	-	0	0.57	0.69	0.59	0.51	0.62	0.47	0.58	0.64	0.56	0.73			
Selenium	10	ug/l	UK DWS	0	< 0.6	0.7	0.7	1	< 0.6	1	0.8	0.9	< 0.6	< 0.6	< 1		
Sodium	50	mg/l	WHO	26	7.2	8.9	7.5	6.7	6.1	4.8	5.3	6.8	8.2	8			
Vanadium	20	ug/l	FEQS	0	0.3	0.3	0.5	0.3	0.3	< 0.2	0.2	0.3	0.2	0.3	< 1		
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	1.5	12	5.9	1.6	1.3	2.1	6.1	3.8	3.4	1.5	5		
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0											< 5		
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5		
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5		
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5		
TPH >C21-C35 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5		
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
C5-C35 Aliphatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
TPH >C8-C9 Aromatics	300	ug/l	WHO	0											< 1		
TPH >C9-C10 Aromatics	300	ug/l	WHO	0											< 1		
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
TPH >C35-C44 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					981284	998639	1020261	1053169	1074203	1099110	1107476	1133265	1163628	1180864			
Client Sample No					ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied					
Depth to Top					None Supplied	30.80-44.11	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	39.00	None Supplied	None Supplied	27/01/1900	27/01/1900	26/01/1900
Depth to Bottom													None Supplied	34.99-43.52			
Date Sampled					13/06/2018	10/07/2018	09/08/2018	25/09/2018	23/10/2018	22/11/2018	04/12/2018	16/01/2019	25/02/2019	19/03/2019	16/11/16	23/11/16	30/11/16
Sample Type					None Supplied	1225	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied					
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10		
Chloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Bromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
1,1 -Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
2,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Trichloromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2		
1,1-Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Tetrachloromethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
1,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Trichloroethene	10	ug/l	UK DWS	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Dibromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Bromodichloromethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10		
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
1,3-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Dibromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3		
Tetrachloroethene	10	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Chlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			
m,p-Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Styrene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Tribromomethane	########	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			
o-Xylene	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Bromobenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
2-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
4-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2		
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					981284	998639	1020261	1053169	1074203	1099110	1107476	1133265	1163628	1180864			
Client Sample No					ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied					
Depth to Top					None Supplied	30.80-44.11	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	39.00	None Supplied	None Supplied	27/01/1900	27/01/1900	26/01/1900
Depth to Bottom													None Supplied	34.99-43.52			
Date Sampled					13/06/2018	10/07/2018	09/08/2018	25/09/2018	23/10/2018	22/11/2018	04/12/2018	16/01/2019	25/02/2019	19/03/2019	16/11/16	23/11/16	30/11/16
Sample Type	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	None Supplied	1225	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied					
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1
n-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2		
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3		< 1
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1
2,6 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			
4,2 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			
4,3 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			
2,4 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			
2,5 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3		
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			
Bromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5		
Dichloromethane	20	ug/l	FEQS	0	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 3.0	< 3.0	< 5		
Carbon disulphide	#######	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
2-Chlorophenol	50	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
2-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
Hexachloroethane	40	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
Nitrobenzene	1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
4-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
Isophorone	7000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
2-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
Bis(2-chloroethoxy)methane	#######	ug/l	Default	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
2-Methylnaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
2-Chloronaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
Dimethylphthalate	800	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
Dibenzofuran	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
Diethyl phthalate	200	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
Bromophenyl phenyl ether	#######	ug/l	Default	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
Hexachlorobenzene	1	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			
Carbazole	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001
PCB Congener 81	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001
PCB Congener 105	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001
PCB Congener 114	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001
PCB Congener 118	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.002

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					981284	998639	1020261	1053169	1074203	1099110	1107476	1133265	1163628	1180864			
Client Sample No					ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied					
Depth to Top					None Supplied	30.80-44.11	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	39.00	None Supplied	None Supplied	27/01/1900	27/01/1900	26/01/1900
Depth to Bottom													None Supplied	34.99-43.52			
Date Sampled					13/06/2018	10/07/2018	09/08/2018	25/09/2018	23/10/2018	22/11/2018	04/12/2018	16/01/2019	25/02/2019	19/03/2019	16/11/16	23/11/16	30/11/16
Sample Type					None Supplied	1225	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied					
	Screening value	**Units**	**Screening standard**	**Number of Exceedances**													
PCB Congener 123	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001
PCB Congener 126	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001
PCB Congener 156	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001
PCB Congener 157	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001
PCB Congener 167	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001
PCB Congener 169	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001
PCB Congener 189	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001
PCBs	25	ug/l	FEQS	0	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300			
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	1	0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0	0.06	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			
Metaldehyde	0.1	ug/l	UK DWS	20	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2			
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1			
Chlorbufam	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 1.0	
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1	
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 1.0	
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1	
Phenmedipham	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1	
Propham	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1	
Dimefuron	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1	
Metoxuron	0.1	ug/l	UK DWS	1	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.2		< 0.1	
Pencycuron	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1	
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Demeton-s-methyl	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			
Diclofop	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
Fenvalerate	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1	
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1	
Ametryn	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			
Atrazine-methoxy	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1	
Bromacil	0.1	ug/l	UK DWS	0	0.05		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			
Flamprop	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
Flamprop-isopropyl	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
Prometon	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1	
Simetryn	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1	
4-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Perylene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0	< 20		< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20		< 0.1	
Carbetamide	100	ng/l	UK DWS	0	< 20		< 20	< 20	< 20	< 100.00	< 20	< 20	< 20	< 200.00		< 0.1	
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			< 2
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			< 10
Total phthalates	N/A	mg/l	-	0			< 3.5										
Glycols																	
Ethylene Glycol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Diethylene Glycol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
1,2-Propanediol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Rodenticides																	
Triazine Pesticides																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					981284	998639	1020261	1053169	1074203	1099110	1107476	1133265	1163628	1180864			
Client Sample No					ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied					
Depth to Top					None Supplied	30.80-44.11	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	39.00	None Supplied	None Supplied	27/01/1900	27/01/1900	26/01/1900
Depth to Bottom													None Supplied	34.99-43.52			
Date Sampled					13/06/2018	10/07/2018	09/08/2018	25/09/2018	23/10/2018	22/11/2018	04/12/2018	16/01/2019	25/02/2019	19/03/2019	16/11/16	23/11/16	30/11/16
Sample Type					None Supplied	1225	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied					
Atrazine	0.1	ug/l	UK DWS	18	0.09		0.09	0.11	0.12	0.13	0.12	0.14	0.13	0.15		< 0.1	
Simazine	0.1	ug/l	UK DWS	0	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1	
Prometryn	0.1	ug/l	UK DWS	0	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1	
Propazine	0.1	ug/l	UK DWS	0	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1	
Terbuthylazine	0.1	ug/l	UK DWS	0	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1	
Terbutryn	0.1	ug/l	UK DWS	0	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1	
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			
2,4-D butyl ester	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			
2,4-D ethyl ester	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
Benazolin	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
Clopyralid	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.20	< 0.20	< 0.02		< 0.02	
Ioxynil	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
2,4-D	0.1	ug/l	UK DWS	1	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
Dicamba	0.1	ug/l	UK DWS	1	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
Dichlorprop	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
MCPA	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
MCPB	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
Mecoprop	0.1	ug/l	UK DWS	15	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
Picloram	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Isodrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Trifluralin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	1	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	981284	998639	1020261	1053169	1074203	1099110	1107476	1133265	1163628	1180864			
Client Sample No					ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied					
Depth to Top					None Supplied	30.80-44.11	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	39.00	None Supplied	None Supplied	27/01/1900	27/01/1900	26/01/1900
Depth to Bottom													None Supplied	34.99-43.52			
Date Sampled					13/06/2018	10/07/2018	09/08/2018	25/09/2018	23/10/2018	22/11/2018	04/12/2018	16/01/2019	25/02/2019	19/03/2019	16/11/16	23/11/16	30/11/16
Sample Type					None Supplied	1225	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied					
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
Triclorpyr	0.1	ug/l	UK DWS	1	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Chlorfenvinphos I	0.1	ug/l	UK DWS	0													
Chlorfenvinphos II	0.1	ug/l	UK DWS	0													
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0												< 0.01	
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Ethion	0.1	ug/l	UK DWS	0	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Fenthion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100	
Chlortoluron	100	ng/l	UK DWS	0	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100	
Diflubenzuron	100	ng/l	UK DWS	0	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100	
Diuron	100	ng/l	UK DWS	11	44		58	33	38	38	29	50	53	52		< 100	
Linuron	100	ng/l	UK DWS	0	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100	
Methabenzthiazuron	100	ng/l	UK DWS	0	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100	
Monolinuron	100	ng/l	UK DWS	0	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100	
Monuron	100	ng/l	UK DWS	0	< 10		< 10	< 10	< 10	< 10	< 10	< 10	11.000	14.000		< 100	
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10	< 100.0			
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10	< 10			
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10	< 10			
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10	< 10			
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Heptanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1	
Cypermethrin	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100	
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1	
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		<10	
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		<10	
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		<10	
Chlorophenols																	
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.001	< 0.001	< 0.001
Others																	
Chlordane	0.0001	mg/l	UK DWS	0												< 0.00001	
Chlorothalonil	0.0001	mg/l	UK DWS	0												< 0.00001	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	981284	998639	1020261	1053169	1074203	1099110	1107476	1133265	1163628	1180864			
Client Sample No					ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH29	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied					
Depth to Top					None Supplied	30.80-44.11	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	39.00	None Supplied	None Supplied	27/01/1900	27/01/1900	26/01/1900
Depth to Bottom													None Supplied	34.99-43.52			
Date Sampled					13/06/2018	10/07/2018	09/08/2018	25/09/2018	23/10/2018	22/11/2018	04/12/2018	16/01/2019	25/02/2019	19/03/2019	16/11/16	23/11/16	30/11/16
Sample Type					None Supplied	1225	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied					
Chlorpyrifos	0.0001	mg/l	UK DWS	0												< 0.00001	
Pendimethalin	0.0001	mg/l	UK DWS	0												< 0.00001	
Bromoform	0.1	mg/l	WHO	0											< 0.001		
Methane	N/A	ug/l	-	0									< 0.1	< 0.1			

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID									944660	961490	979302	997699	1020262	1052138	1074204	1096405	1106501
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32
Client Sample ID									None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					27/01/1900	27/01/1900	27/01/1900	28/01/1900	None Supplied	None Supplied	None Supplied	26.96-41.01	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Bottom									None Supplied	None Supplied							
Date Sampled					03/02/17	07/03/17	04/04/17	17/5/17	16/04/2018	15/05/2018	11/06/2018	09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018
Sample Type											None Supplied	1200	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-						7.3	7.3	7.3	7.1	7.4	7.5	7.3	7.3	7.3
Total Cyanide	50	ug/l	UK DWS	0	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Complex Cyanides	50	ug/l	UK DWS	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Free Cyanide	50	ug/l	UK DWS	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thiocyanate as SCN	50	ug/l	UK DWS	0					< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Sulphate as SO4	250000	ug/l	UK DWS	0	20000	19000	18000	18000	17900	20400	17500	17200	14900	15500	16000	16300	17300
Sulphide	250000	ug/l	UK DWS	0	< 100	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloride	250	mg/l	UK DWS	0	14.23	12.95	13.55	14	14	14	15	16	21	14	15	15	14
Fluoride	1500	ug/l	UK DWS	0	< 100	140	< 100	< 100	94	130	120	250	110	69	150	110	120
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	22	20	< 20	< 20	< 20	230	38	< 15	17	33	41	50	47	61
Nitrate as N	11.3	mg/l	UK DWS	1					1.72	3.42	1.71	1.82	1.82	1.72	1.74	0.05	1.71
Nitrate as NO3	50	mg/l	UK DWS	2	12.02	10.08	7.43	9.65	7.63	15.1	7.57	8.05	8.07	7.62	7.69	0.21	7.59
Nitrite as N	160	ug/l	UK DWS	4					6	32	14	2.8	1.2	11	19	1.1	3700
Nitrite as NO2	500	ug/l	UK DWS	4	< 100	< 100	< 100	< 100	20	100	45	9.1	< 5.0	38	63	< 5.0	12000
Alkalinity	N/A	mg/l	-	0	246	260	217	215	390	420	390	450	430	520	250	240	120
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0					< 2.0	3.5	5.8	< 2.0	6.4	46	9.1	9.3	11
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.2	< 1.0	1.3	< 1.0
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	2	2.7	2.3	1.7	2.2	1.7	3.4	1.7	1.8	1.8	1.7	1.8	< 0.3	5.4
Total Suspended Solids	N/A	mg/l	-	0	2774	992	237	5313	310	560	54	1700	500	15000	1100	78	400
Hardness - Total	N/A	mg/l	-	0	267	294	271	287	202	228	227	271	244	206	275	290	372
Bromide	N/A	mg/l	-	0					0.057	0.053	0.065	0.066	0.083	< 0.001	0.066	0.061	0.13
Bromate	0.01	mg/l	UK DWS	0					< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Phenols																	
Catechol	7.7	ug/l	FEQS	0					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Resorcinol	7.7	ug/l	FEQS	0					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Cresols	100	ug/l	FEQS	0					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Naphthols	7.7	ug/l	FEQS	0					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Isopropylphenol	7.7	ug/l	FEQS	0					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Phenol	7.7	ug/l	FEQS	0					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trimethylphenol	100	ug/l	FEQS	0					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	0.44	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	0.1	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	0.0063	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Heavy metals and metalloids																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID									944660	961490	979302	997699	1020262	1052138	1074204	1096405	1106501
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32
Client Sample ID									None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					27/01/1900	27/01/1900	27/01/1900	28/01/1900	None Supplied	None Supplied	None Supplied	26.96-41.01	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Bottom									None Supplied	None Supplied							
Date Sampled					03/02/17	07/03/17	04/04/17	17/5/17	16/04/2018	15/05/2018	11/06/2018	09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018
Sample Type											None Supplied	1200	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Antimony	5	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Arsenic	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	0.21	< 0.15	0.18	0.61	0.32	0.31	0.18	0.18	0.16
Barium	700	ug/l	WHO	0					42	47	35	45	41	43	40	41	38
Beryllium	4	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron	1000	ug/l	UK DWS	1					< 10	< 10	13	44	< 10	19	< 10	14	10
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.02	0.02	< 0.02	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.02
Calcium	N/A	mg/l	-	0	104	115	106	112	78	89	88	110	95	80	110	110	150
Chromium VI	3.4	ug/l	FEQS	2					< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium III	4.7	ug/l	FEQS	0					1.5	< 1.0	1.2	1.5	1.2	1.7	< 1.0	< 1.0	< 1.0
Chromium Total	50	ug/l	UK DWS	0	8	6	< 1	5	1.5	1	1.2	1.5	1.2	1.7	0.8	0.2	0.9
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	1	< 1	< 1	24	< 0.5		1.1	3	5.6	3.7	< 0.5	< 0.5	2.1
Iron	0.2	mg/l	UK DWS	2	0.027	< 0.01	0.01	0.01	0.006	< 0.004	0.1	0.056	< 0.004	< 0.004	< 0.004	0.15	< 0.004
Lead	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	0.7	< 0.2	< 0.2	0.3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Magnesium	N/A	mg/l	-	0	2	2	2	2	1.7	1.6	1.9	1.9	1.3	1.4	1.6	1.7	1.6
Manganese (bioavailable)	50	ug/l	UK DWS	26	8	< 1	6	3	14	1.3	1.7	7	1.5	2.1	1.2	1	1.7
Mercury	1	ug/l	UK DWS	2	< 0.1	< 0.1	< 0.1	< 0.1	0.69	0.35	2.15	1.02	0.08	0.76	0.32	0.33	< 0.05
Molybdenum	70	ug/l	WHO	0					0.27	0.18	< 0.05	0.1	0.43	0.2	0.12	< 0.05	0.11
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	2	< 1	< 1	< 1	1	6.8	< 0.5	< 0.5	1.1	1.8	0.8	< 0.5	1.5	0.7
Potassium	N/A	mg/l	-	0	1	1	<1	<1	0.64	0.56	0.71	0.72	0.66	0.59	0.72	0.74	0.75
Selenium	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Sodium	50	mg/l	WHO	26	8	8	8	8	8.7	7.7	8.8	8.8	7.8	7.8	7.6	7.9	8.8
Vanadium	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	0.3	0.3	0.4	0.6	0.3	0.4	0.3	0.3	0.3
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	5	3	2	15	1.4	1.6	0.9	1.4	8.4	3.6	0.7	< 0.5	3.3
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes	30	ug/l	FEQS	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0													
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C21-C35 Aliphatics	300	ug/l	WHO	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
C5-C35 Aliphatics	N/A	ug/l	-	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C5-C6 Aromatics	10	ug/l	WHO	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C7-C8 Aromatics	700	ug/l	WHO	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C9 Aromatics	300	ug/l	WHO	0													
TPH >C9-C10 Aromatics	300	ug/l	WHO	0													
TPH >C8-C10 Aromatics	300	ug/l	WHO	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 5				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 5				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 5				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 5				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C35-C44 Aromatics	90	ug/l	WHO	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID									944660	961490	979302	997699	1020262	1052138	1074204	1096405	1106501
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32
Client Sample ID									None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					27/01/1900	27/01/1900	27/01/1900	28/01/1900	None Supplied	None Supplied	None Supplied	26.96-41.01	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Bottom									None Supplied	None Supplied							
Date Sampled					03/02/17	07/03/17	04/04/17	17/5/17	16/04/2018	15/05/2018	11/06/2018	09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018
Sample Type											None Supplied	1200	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
C5-C35 Aromatics	N/A	ug/l	-	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
C5-C35 Aromatics	N/A	ug/l	-	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1 -Dichloroethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	10	ug/l	UK DWS	2	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	100	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	100	ug/l	WHO	0	< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylenes	30	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	########	ug/l	Default	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	30	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Propylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	1	ug/l	UK DWS	0	< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID									944660	961490	979302	997699	1020262	1052138	1074204	1096405	1106501
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32
Client Sample ID									None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					27/01/1900	27/01/1900	27/01/1900	28/01/1900	None Supplied	None Supplied	None Supplied	26.96-41.01	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Bottom									None Supplied	None Supplied							
Date Sampled					03/02/17	07/03/17	04/04/17	17/5/17	16/04/2018	15/05/2018	11/06/2018	09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018
Sample Type											None Supplied	1200	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,6 Chloronitrotoluene	700	ug/l	WHO	0					< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4,2 Chloronitrotoluene	700	ug/l	WHO	0					< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4,3 Chloronitrotoluene	700	ug/l	WHO	0					< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4 Chloronitrotoluene	700	ug/l	WHO	0					< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,5 Chloronitrotoluene	700	ug/l	WHO	0					< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0					< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	100	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane	20	ug/l	FEQS	0	< 5	< 5	< 5	< 5	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Carbon disulphide	#######	ug/l	Default	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	50	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachloroethane	40	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Isophorone	7000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	#######	ug/l	Default	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chloronaphthalene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dimethylphthalate	800	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenzofuran	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Diethyl phthalate	200	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	#######	ug/l	Default	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	1	ug/l	USEPA	0	< 1	< 0.01		< 0.01	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	2	ug/l	FEQS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Carbazole	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 81	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 105	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 114	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 118	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID									944660	961490	979302	997699	1020262	1052138	1074204	1096405	1106501
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32
Client Sample ID									None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					27/01/1900	27/01/1900	27/01/1900	28/01/1900	None Supplied	None Supplied	None Supplied	26.96-41.01	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Bottom									None Supplied	None Supplied							
Date Sampled					03/02/17	07/03/17	04/04/17	17/5/17	16/04/2018	15/05/2018	11/06/2018	09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018
Sample Type											None Supplied	1200	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
PCB Congener 123	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 126	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 156	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 157	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 167	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 169	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 189	25	ug/l	FEQS	0					< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCBs	25	ug/l	FEQS	0					< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	1					< 0.05	< 0.05	0.06	0.06	0.06	0.09	0.07	< 0.05	0.09
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0					< 0.05	< 0.05	0.05	0.05	< 0.05	0.05	< 0.05	< 0.05	0.05
Metaldehyde	0.1	ug/l	UK DWS	20					< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0					< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chlorbufam	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chloroxuron	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chlorpropham	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Ethiofencarb	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenmedipham	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Propham	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dimefuron	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Metoxuron	0.1	ug/l	UK DWS	1					< 0.10	< 0.10	< 0.10		4.9	< 0.10	< 0.10	< 0.10	< 0.10
Pencycuron	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
o,p-Methoxychlor	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Diclofop	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cyhalothrin	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Ametryn	0.1	ug/l	UK DWS	0		< 0.1		< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Atrazine-methoxy	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromacil	0.1	ug/l	UK DWS	0		< 0.02		< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Flamprop	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Flamprop-isopropyl	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Prometon	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Simetryn	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Perylene	2	ug/l	FEQS	0	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0					< 20	< 20	< 20		< 20	< 20	< 20	< 20	< 20
Carbetamide	100	ng/l	UK DWS	0					< 20	< 20	< 20		< 20	< 20	< 20	< 100.00	< 200.00
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	0	< 2	< 2	< 2	< 10	5.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total phthalates	N/A	mg/l	-	0									< 3.5				
Glycols																	
Ethylene Glycol	ISSUE	mg/l	Default	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Diethylene Glycol	ISSUE	mg/l	Default	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Propanediol	ISSUE	mg/l	Default	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Rodenticides																	
Triazine Pesticides																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID									944660	961490	979302	997699	1020262	1052138	1074204	1096405	1106501
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32
Client Sample ID									None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					27/01/1900	27/01/1900	27/01/1900	28/01/1900	None Supplied	None Supplied	None Supplied	26.96-41.01	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Bottom									None Supplied	None Supplied							
Date Sampled					03/02/17	07/03/17	04/04/17	17/5/17	16/04/2018	15/05/2018	11/06/2018	09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018
Sample Type											None Supplied	1200	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Atrazine	0.1	ug/l	UK DWS	18					< 0.05	0.07	0.07		0.06	0.06	0.07	0.09	0.06
Simazine	0.1	ug/l	UK DWS	0					< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Prometryn	0.1	ug/l	UK DWS	0					< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Propazine	0.1	ug/l	UK DWS	0					< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Terbuthylazine	0.1	ug/l	UK DWS	0					< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Terbutryn	0.1	ug/l	UK DWS	0					< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4-D butyl ester	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,4-D ethyl ester	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0					< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Benazolin	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	0.040
Bromoxynil	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Clopyralid	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Ioxynil	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-T	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	0.05
2,4,5-TP	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4-D	0.1	ug/l	UK DWS	1					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	0.120
2,4-DB	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Dicamba	0.1	ug/l	UK DWS	1					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Dichlorprop	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	0.05
MCPA	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	0.09
MCPB	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Mecoprop	0.1	ug/l	UK DWS	15					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	0.28
Picloram	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dieldrin	0.03	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan Sulphate	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endrin	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Trifluralin	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	1					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	0.030

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Assessment Senario Water Abstraction

				Summary													
Lab Sample ID									944660	961490	979302	997699	1020262	1052138	1074204	1096405	1106501
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32
Client Sample ID									None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					27/01/1900	27/01/1900	27/01/1900	28/01/1900	None Supplied	None Supplied	None Supplied	26.96-41.01	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Bottom									None Supplied	None Supplied							
Date Sampled					03/02/17	07/03/17	04/04/17	17/5/17	16/04/2018	15/05/2018	11/06/2018	09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018
Sample Type											None Supplied	1200	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Fluroxypyr	0.1	ug/l	UK DWS	0					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	0.040
Triclorpyr	0.1	ug/l	UK DWS	1					< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	0.59
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Azinphos-methyl	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos I	0.1	ug/l	UK DWS	0					< 0.01								
Chlorfenvinphos II	0.1	ug/l	UK DWS	0					< 0.01								
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0					< 0.01								
Diazinon	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Malathion	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0					< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10
Chlortoluron	100	ng/l	UK DWS	0					< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10
Diflubenzuron	100	ng/l	UK DWS	0					< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10
Diuron	100	ng/l	UK DWS	11					13	15	< 10		20	19	20	29	16
Linuron	100	ng/l	UK DWS	0					< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10
Methabenzthiazuron	100	ng/l	UK DWS	0					< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10
Monolinuron	100	ng/l	UK DWS	0					< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10
Monuron	100	ng/l	UK DWS	0					< 10	11.000	33.000		23.000	23.000	25.000	60.000	26.000
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 11	< 11	< 11	< 11	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0					< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cypermethrin	100	ng/l	UK DWS	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Deltramethrin	0.1	ug/l	UK DWS	0					< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Permethrin	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Permethrin	0.1	ug/l	UK DWS	0					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	2					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chlorophenols																	
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.001	< 0.00002		< 0.00002	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Others																	
Chlordane	0.0001	mg/l	UK DWS	0													
Chlorothalonil	0.0001	mg/l	UK DWS	0													

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G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID									944660	961490	979302	997699	1020262	1052138	1074204	1096405	1106501
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32
Client Sample ID									None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					27/01/1900	27/01/1900	27/01/1900	28/01/1900	None Supplied	None Supplied	None Supplied	26.96-41.01	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Bottom									None Supplied	None Supplied							
Date Sampled					03/02/17	07/03/17	04/04/17	17/5/17	16/04/2018	15/05/2018	11/06/2018	09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018
Sample Type											None Supplied	1200	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Chlorpyrifos	0.0001	mg/l	UK DWS	0													
Pendimethalin	0.0001	mg/l	UK DWS	0													
Bromoform	0.1	mg/l	WHO	0	< 0.001	< 0.001	< 0.001	< 0.001									
Methane	N/A	ug/l	-	0	1	< 1	< 2	< 1									

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G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1131835	1163609	1182060								944661	960431	981285
Client Sample No					ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50
Client Sample ID					None Supplied										None Supplied	None Supplied	None Supplied
Depth to Top					27.16-41.95	None Supplied	None Supplied	16/01/1900	16/01/1900	16/01/1900	17/01/1900	17/01/1900	16/01/1900	17/01/1900	None Supplied	None Supplied	None Supplied
Depth to Bottom						None Supplied	27.92-41.22								None Supplied	None Supplied	
Date Sampled					15/01/2019	22/02/2019	20/03/2019	16/11/16	23/11/16	01/12/16	03/02/17	07/03/17	04/04/17	17/05/17	16/04/2018	14/05/2018	13/06/2018
Sample Type					None Supplied												None Supplied
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-		7.3	7.3	7.5								6.9	7	7.1
Total Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 5			< 5	< 5	< 5	< 5	< 10	< 10	< 10
Complex Cyanides	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 5							< 10	< 10	< 10
Free Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 5							< 10	< 10	< 10
Thiocyanate as SCN	50	ug/l	UK DWS	0	< 200	< 200	< 200								< 200	< 200	< 200
Sulphate as SO4	250000	ug/l	UK DWS	0	16800	16800	15600				40000	40000	46000	40000	36300	38200	37500
Sulphide	250000	ug/l	UK DWS	0	< 5.0	< 5.0	< 5.0				< 100	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0
Chloride	250	mg/l	UK DWS	0	14	15	14				63.41	55.21	55.42	61	63	60	67
Fluoride	1500	ug/l	UK DWS	0	170	170	120				< 100	140	140	340	150	120	170
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	22	31	< 15	40				< 20	< 20	< 20	< 20	180	31	< 15
Nitrate as N	11.3	mg/l	UK DWS	1	0.26	1.88	1.68								6.08	8.6	6.5
Nitrate as NO3	50	mg/l	UK DWS	2	1.14	8.31	7.42				32.19	28.68	33.5	29.38	26.9	38.1	28.8
Nitrite as N	160	ug/l	UK DWS	4	18	17	20								34	18	9.8
Nitrite as NO2	500	ug/l	UK DWS	4	58	56	66				< 100	< 100	< 100	< 100	110	61	32
Alkalinity	N/A	mg/l	-	0	240	250	390				331	347	314	298	500	490	570
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	11	25	3.3	13							4.5	7.4	< 2.0
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	< 1.0	3.8	< 1.0	6							-	< 1.0	< 1.0
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	2	< 0.3	1.9	1.7				7.3	6.5	7.6	6.6	6.1	8.6	6.5
Total Suspended Solids	N/A	mg/l	-	0	1900	1700	460				1962	4979	2455	902	25	37	4
Hardness - Total	N/A	mg/l	-	0	271	359	299				418	449	433	442	352	420	445
Bromide	N/A	mg/l	-	0	0.052	0.063	0.062								0.36	0.31	0.43
Bromate	0.01	mg/l	UK DWS	0	< 0.002	< 0.002	< 0.002								< 0.002	< 0.002	< 0.002
Phenols																	
Catechol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5								< 0.5	< 0.5	< 0.5
Resorcinol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 10							< 0.5	< 0.5	< 0.5
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5								< 0.5	< 0.5	< 0.5
Cresols	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 10							< 0.5	< 0.5	< 0.5
Naphthols	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5								< 0.5	< 0.5	< 0.5
Isopropylphenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5								< 0.5	< 0.5	< 0.5
Phenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 10							< 0.5	< 0.5	< 0.5
Trimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5								< 0.5	< 0.5	< 0.5
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	0.01	0.73	< 0.01	< 0.01	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	0.1	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	0.0063	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001
Heavy metals and metalloids																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1131835	1163609	1182060								944661	960431	981285
Client Sample No					ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50
Client Sample ID					None Supplied										None Supplied	None Supplied	None Supplied
Depth to Top					27.16-41.95	None Supplied	None Supplied	16/01/1900	16/01/1900	16/01/1900	17/01/1900	17/01/1900	16/01/1900	17/01/1900	None Supplied	None Supplied	None Supplied
Depth to Bottom						None Supplied	27.92-41.22								None Supplied	None Supplied	
Date Sampled					15/01/2019	22/02/2019	20/03/2019	16/11/16	23/11/16	01/12/16	03/02/17	07/03/17	04/04/17	17/05/17	16/04/2018	14/05/2018	13/06/2018
Sample Type					None Supplied												None Supplied
Antimony	5	ug/l	UK DWS	0	< 0.4	< 0.4	< 0.4				< 1	< 1	< 1	< 1	< 0.4	< 0.4	< 0.4
Arsenic	10	ug/l	UK DWS	0	0.28	< 0.15	0.29	< 1			< 1	< 1	< 1	< 1	0.27	0.16	0.28
Barium	700	ug/l	WHO	0	30	38	29	134							160	150	190
Beryllium	4	ug/l	USEPA	0	< 0.1	< 0.1	< 0.1	< 1			< 1	< 1	< 1	< 1	< 0.1	< 0.1	< 0.1
Boron	1000	ug/l	UK DWS	1	< 10	14	< 10	207							210	190	230
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.2			< 0.2	< 0.2	< 0.2	< 0.2	< 0.02	< 0.02	< 0.02
Calcium	N/A	mg/l	-	0	110	140	120				163	175	170	173	140	160	170
Chromium VI	3.4	ug/l	FEQS	2	< 5.0	< 5.0	< 5.0	< 10							< 5.0	< 5.0	< 5.0
Chromium III	4.7	ug/l	FEQS	0	< 1.0	1.1	< 1.0								1.3	1.3	1.1
Chromium Total	50	ug/l	UK DWS	0	1	1.1	0.9	< 1			< 1	< 1	< 1	7	1.3	1.3	1.1
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	1	3.5	1.5	1			1	< 1	< 1	1	1.8	1.6	2.6
Iron	0.2	mg/l	UK DWS	2	< 0.004	0.047	< 0.004				0.036	< 0.01	< 0.01	< 0.01	0.006	0.006	< 0.004
Lead	10	ug/l	UK DWS	0	< 0.2	< 0.2	< 0.2	< 1			< 1	< 1	< 1	< 1	< 0.2	< 0.2	0.2
Magnesium	N/A	mg/l	-	0	1.6	1.4	1.6				2	3	2	2	2.4	2.5	2.3
Manganese (bioavailable)	50	ug/l	UK DWS	26	0.71	0.25	1.2				6	2	2	2	6.1	3.4	2
Mercury	1	ug/l	UK DWS	2	0.35	0.33	0.2	< 0.1			< 0.1	< 0.1	< 0.1	< 0.1	0.07	< 0.05	< 0.05
Molybdenum	70	ug/l	WHO	0	0.23	0.15	1.6								0.14	2.2	0.09
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	2	0.7	< 0.5	0.6	2			2	2	2	2	2.1	3.3	2.1
Potassium	N/A	mg/l	-	0	0.8	0.68	0.76				<1	1	<1	<1	0.85	0.94	0.89
Selenium	10	ug/l	UK DWS	0	< 0.6	< 0.6	< 0.6	< 1			< 1	< 1	< 1	< 1	1.3	1.3	0.8
Sodium	50	mg/l	WHO	26	7.7	9.2	8				29	29	27	29	27	30	31
Vanadium	20	ug/l	FEQS	0	0.3	0.3	0.3	< 1			< 1	< 1	< 1	< 1	0.5	0.4	0.5
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	2.5	6.4	2.1	8			14	3	2	8	2.6	6	1.8
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0								< 1.0	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1							< 1.0	< 1.0	< 1.0
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0				< 5									
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1							< 1.0	< 1.0	< 1.0
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1							< 1.0	< 1.0	< 1.0
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1							< 1.0	< 1.0	< 1.0
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 5							< 10	< 10	< 10
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 5							< 10	< 10	< 10
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 5							< 10	< 10	< 10
TPH >C21-C35 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 5							< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	0	< 10	< 10	< 10								< 10	< 10	< 10
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0	< 10	< 10	< 10								< 10	< 10	< 10
C5-C35 Aliphatics	N/A	ug/l	-	0	< 10	< 10	< 10								< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0	< 10	< 10	< 10								< 10	< 10	< 10
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1							< 1.0	< 1.0	< 1.0
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1							< 1.0	< 1.0	< 1.0
TPH >C8-C9 Aromatics	300	ug/l	WHO	0				< 1									
TPH >C9-C10 Aromatics	300	ug/l	WHO	0				< 1									
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0								< 1.0	< 1.0	< 1.0
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10			< 5					< 10	< 10	< 10
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10			< 5					< 10	< 10	< 10
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10			< 5					< 10	< 10	< 10
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10			< 5					< 10	< 10	< 10
TPH >C35-C44 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10								< 10	< 10	< 10

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID					1131835	1163609	1182060								944661	960431	981285
Client Sample No					ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50
Client Sample ID					None Supplied										None Supplied	None Supplied	None Supplied
Depth to Top					27.16-41.95	None Supplied	None Supplied	16/01/1900	16/01/1900	16/01/1900	17/01/1900	17/01/1900	16/01/1900	17/01/1900	None Supplied	None Supplied	None Supplied
Depth to Bottom						None Supplied	27.92-41.22								None Supplied	None Supplied	
Date Sampled					15/01/2019	22/02/2019	20/03/2019	16/11/16	23/11/16	01/12/16	03/02/17	07/03/17	04/04/17	17/05/17	16/04/2018	14/05/2018	13/06/2018
Sample Type					None Supplied												None Supplied
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10								< 10	< 10	< 10
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10								< 10	< 10	< 10
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 10			< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0
Chloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Bromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0								< 1.0	< 1.0	< 1.0
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1							< 1.0	< 1.0	< 1.0
1,1 -Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Trichloromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 2			< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Tetrachloromethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Trichloroethene	10	ug/l	UK DWS	2	< 1.0	< 1.0	< 1.0	< 1			1	1	1	1	< 1.0	< 1.0	< 1.0
Dibromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Bromodichloromethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 10			< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0								< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Dibromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 3			< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0
Tetrachloroethene	10	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Chlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0								< 1.0	< 1.0	< 1.0
m,p-Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Styrene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Tribromomethane	########	ug/l	Default	0	< 1.0	< 1.0	< 1.0								< 1.0	< 1.0	< 1.0
o-Xylene	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Bromobenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 2			< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					1131835	1163609	1182060								944661	960431	981285
Client Sample No					ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50
Client Sample ID					None Supplied										None Supplied	None Supplied	None Supplied
Depth to Top					27.16-41.95	None Supplied	None Supplied	16/01/1900	16/01/1900	16/01/1900	17/01/1900	17/01/1900	16/01/1900	17/01/1900	None Supplied	None Supplied	None Supplied
Depth to Bottom						None Supplied	27.92-41.22								None Supplied	None Supplied	
Date Sampled					15/01/2019	22/02/2019	20/03/2019	16/11/16	23/11/16	01/12/16	03/02/17	07/03/17	04/04/17	17/05/17	16/04/2018	14/05/2018	13/06/2018
Sample Type					None Supplied												None Supplied
	Screening value	**Units**	**Screening standard**	**Number of Exceedances**													
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
n-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 2			< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 3		< 1	< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
2,6 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1								< 1	< 1	< 1
4,2 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1								< 1	< 1	< 1
4,3 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1								< 1	< 1	< 1
2,4 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1								< 1	< 1	< 1
2,5 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1								< 1	< 1	< 1
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 3			< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0								< 1.0	< 1.0	< 1.0
Bromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 5			< 5	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0
Dichloromethane	20	ug/l	FEQS	0	< 100	< 3.0	< 3.0	< 5			< 5	< 5	< 5	< 5	< 100	< 100	< 100
Carbon disulphide	#######	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
2-Chlorophenol	50	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
2-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
Hexachloroethane	40	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
Nitrobenzene	1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
4-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
Isophorone	7000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
2-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	#######	ug/l	Default	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
2-Chloronaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
Dimethylphthalate	800	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
Dibenzofuran	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
Diethyl phthalate	200	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	#######	ug/l	Default	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	1	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 1	< 1		< 1	< 0.01	< 1		< 0.05	< 0.05	< 0.05
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01								< 0.01	< 0.01	< 0.01
Carbazole	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020
PCB Congener 81	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020
PCB Congener 105	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020
PCB Congener 114	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020
PCB Congener 118	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020			< 0.002					< 0.020	< 0.020	< 0.020

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID					1131835	1163609	1182060								944661	960431	981285
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50
Client Sample ID					None Supplied										None Supplied	None Supplied	None Supplied
Depth to Top					27.16-41.95	None Supplied	None Supplied	16/01/1900	16/01/1900	16/01/1900	17/01/1900	17/01/1900	16/01/1900	17/01/1900	None Supplied	None Supplied	None Supplied
Depth to Bottom						None Supplied	27.92-41.22								None Supplied	None Supplied	
Date Sampled					15/01/2019	22/02/2019	20/03/2019	16/11/16	23/11/16	01/12/16	03/02/17	07/03/17	04/04/17	17/05/17	16/04/2018	14/05/2018	13/06/2018
Sample Type					None Supplied												None Supplied
PCB Congener 123	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020
PCB Congener 126	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020
PCB Congener 156	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020
PCB Congener 157	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020
PCB Congener 167	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020
PCB Congener 169	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020
PCB Congener 189	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020
PCBs	25	ug/l	FEQS	0	< 0.300	< 0.300	< 0.300								< 0.300	< 0.300	< 0.300
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	1	0.09	< 0.05	0.16								0.07	0.08	0.05
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0	0.06	0.06	0.08								< 0.05	< 0.05	< 0.05
Metaldehyde	0.1	ug/l	UK DWS	20	< 0.1	< 0.1	< 0.2								< 0.1	0.1	< 0.1
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0	< 0.1	< 0.1	< 0.1								< 0.1	< 0.1	< 0.1
Chlorbufam	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 1.0						< 0.10	< 0.10	< 0.10
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 1.0						< 0.10	< 0.10	< 0.10
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10
Phenmedipham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10
Propham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10
Dimefuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10
Metoxuron	0.1	ug/l	UK DWS	1	< 0.10	< 0.10	< 0.2		< 0.1						< 0.10	< 0.10	< 0.10
Pencycuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10								< 0.10	< 0.10	< 0.10
Diclofop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10
Ametryn	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10					< 0.1			< 0.10	< 0.10	< 0.10
Atrazine-methoxy	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10
Bromacil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02					< 0.02			< 0.02	< 0.02	0.05
Flamprop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
Flamprop-isopropyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
Prometon	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10
Simetryn	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10
4-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.05
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Perylene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1	< 1	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1	< 1	< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0	< 20	< 20	< 20		< 0.1						< 20	< 20	< 20
Carbetamide	100	ng/l	UK DWS	0	< 20	< 20	< 200.00		< 0.1						< 20	< 20	< 20
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	0	< 1.0	< 1.0	< 1.0			< 2	< 2	< 2	< 2	< 10	< 1.0	< 1.0	< 1.0
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0			< 10	< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0
Total phthalates	N/A	mg/l	-	0													
Glycols																	
Ethylene Glycol	ISSUE	mg/l	Default	0	< 10	< 10	< 10								< 10	< 10	< 10
Diethylene Glycol	ISSUE	mg/l	Default	0	< 10	< 10	< 10								< 10	< 10	< 10
1,2-Propanediol	ISSUE	mg/l	Default	0	< 10	< 10	< 10								< 10	< 10	< 10
Rodenticides																	
Triazine Pesticides																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID					1131835	1163609	1182060								944661	960431	981285
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50
Client Sample ID					None Supplied										None Supplied	None Supplied	None Supplied
Depth to Top					27.16-41.95	None Supplied	None Supplied	16/01/1900	16/01/1900	16/01/1900	17/01/1900	17/01/1900	16/01/1900	17/01/1900	None Supplied	None Supplied	None Supplied
Depth to Bottom						None Supplied	27.92-41.22								None Supplied	None Supplied	
Date Sampled					15/01/2019	22/02/2019	20/03/2019	16/11/16	23/11/16	01/12/16	03/02/17	07/03/17	04/04/17	17/05/17	16/04/2018	14/05/2018	13/06/2018
Sample Type					None Supplied												None Supplied
Atrazine	0.1	ug/l	UK DWS	18	0.07	0.07	0.07		< 0.1						0.09	0.08	0.08
Simazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05		< 0.1						< 0.05	< 0.05	< 0.05
Prometryn	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05		< 0.1						< 0.05	< 0.05	< 0.05
Propazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05		< 0.1						< 0.05	< 0.05	< 0.05
Terbuthylazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05		< 0.1						< 0.05	< 0.05	< 0.05
Terbutryn	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05		< 0.1						< 0.05	< 0.05	< 0.05
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02								< 0.02	< 0.02	< 0.02
2,4-D butyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10								< 0.10	< 0.10	< 0.10
2,4-D ethyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10								< 0.10	< 0.10	< 0.10
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10								< 0.10	< 0.10	< 0.10
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10								< 0.10	< 0.10	< 0.10
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
Benazolin	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
Clopyralid	0.1	ug/l	UK DWS	0	< 0.20	< 0.20	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
Ioxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
2,4-D	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
Dicamba	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
Dichlorprop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
MCPA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
MCPB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
Mecoprop	0.1	ug/l	UK DWS	15	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
Picloram	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01								< 0.01	< 0.01	< 0.01
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	0.02
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Trifluralin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02

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G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1131835	1163609	1182060								944661	960431	981285
Client Sample No					ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50
Client Sample ID					None Supplied										None Supplied	None Supplied	None Supplied
Depth to Top					27.16-41.95	None Supplied	None Supplied	16/01/1900	16/01/1900	16/01/1900	17/01/1900	17/01/1900	16/01/1900	17/01/1900	None Supplied	None Supplied	None Supplied
Depth to Bottom						None Supplied	27.92-41.22								None Supplied	None Supplied	
Date Sampled					15/01/2019	22/02/2019	20/03/2019	16/11/16	23/11/16	01/12/16	03/02/17	07/03/17	04/04/17	17/05/17	16/04/2018	14/05/2018	13/06/2018
Sample Type					None Supplied												None Supplied
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
Triclorpyr	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Chlorfenvinphos I	0.1	ug/l	UK DWS	0											< 0.01		
Chlorfenvinphos II	0.1	ug/l	UK DWS	0											< 0.01		
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0					< 0.01						< 0.01		
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0	< 10	< 10	< 10		< 100						< 10	< 10	< 10
Chlortoluron	100	ng/l	UK DWS	0	< 10	< 10	< 10		< 100						< 10	< 10	< 10
Diflubenzuron	100	ng/l	UK DWS	0	< 10	< 10	< 10		< 100						< 10	< 10	< 10
Diuron	100	ng/l	UK DWS	11	22	26	26		< 100						< 10	12	< 10
Linuron	100	ng/l	UK DWS	0	< 10	< 10	< 10		< 100						< 10	< 10	< 10
Methabenzthiazuron	100	ng/l	UK DWS	0	< 10	< 10	< 10		< 100						< 10	< 10	< 10
Monolinuron	100	ng/l	UK DWS	0	< 10	< 10	< 10		< 100						< 10	< 10	< 10
Monuron	100	ng/l	UK DWS	0	30.000	34.000	48.000		< 100						< 10	17.000	< 10
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 50				< 10	< 10	< 10	< 10	< 10	< 10	< 10
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10				< 11	< 11	< 11	< 11	< 10	< 10	< 10
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1		< 0.1						< 0.1	< 0.1	< 0.1
Cypermethrin	100	ng/l	UK DWS	0	< 10	< 10	< 10		< 100						< 10	< 10	< 10
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1		< 0.1						< 0.1	< 0.1	< 0.1
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0	< 10	< 10	< 10		<10						< 10	< 10	< 10
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 10	< 10	< 10		<10						< 10	< 10	< 10
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	2	< 10	< 10	< 10		<10						< 10	< 10	< 10
Chlorophenols																	
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.001	< 0.001		< 0.001	< 0.00002	< 0.001		< 0.05	< 0.05	< 0.05
Others																	
Chlordane	0.0001	mg/l	UK DWS	0					< 0.00001								
Chlorothalonil	0.0001	mg/l	UK DWS	0					< 0.00001								

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G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1131835	1163609	1182060								944661	960431	981285
Client Sample No					ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH32	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50
Client Sample ID					None Supplied										None Supplied	None Supplied	None Supplied
Depth to Top					27.16-41.95	None Supplied	None Supplied	16/01/1900	16/01/1900	16/01/1900	17/01/1900	17/01/1900	16/01/1900	17/01/1900	None Supplied	None Supplied	None Supplied
Depth to Bottom						None Supplied	27.92-41.22								None Supplied	None Supplied	
Date Sampled					15/01/2019	22/02/2019	20/03/2019	16/11/16	23/11/16	01/12/16	03/02/17	07/03/17	04/04/17	17/05/17	16/04/2018	14/05/2018	13/06/2018
Sample Type					None Supplied												None Supplied
Chlorpyrifos	0.0001	mg/l	UK DWS	0					< 0.00001								
Pendimethalin	0.0001	mg/l	UK DWS	0					< 0.00001								
Bromoform	0.1	mg/l	WHO	0				< 0.001			< 0.001	< 0.001	< 0.001	< 0.001			
Methane	N/A	ug/l	-	0		< 0.1	< 0.1				1	< 1	< 2	< 2			

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G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	997700	1020263	1052139	1074205	1096406	1106502	1131834	1160661	1182061				
Client Sample No					ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied						
Depth to Top					13.36-23.46	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	17.54-24.37	None Supplied	None Supplied	21/01/1900	21/01/1900	21/01/1900	22/01/1900
Depth to Bottom												None Supplied	17.80-23.60				
Date Sampled					09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018	15/01/2019	20/02/2019	20/03/2019	16/11/16	22/11/16	01/12/16	03/02/17
Sample Type					1330	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied						
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-		6.9	7.1	7	7	7	7	7	7	7.6				
Total Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5			< 5
Complex Cyanides	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5			
Free Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5			
Thiocyanate as SCN	50	ug/l	UK DWS	0	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200				
Sulphate as SO4	250000	ug/l	UK DWS	0	36200	31100	32000	35000	34700	34000	34100	32400	33300				33000
Sulphide	250000	ug/l	UK DWS	0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0				< 100
Chloride	250	mg/l	UK DWS	0	62	62	61	65	68	64	62	66	61				32.85
Fluoride	1500	ug/l	UK DWS	0	140	140	99	180	150	150	91	140	140				< 100
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	22	16	37	39	45	47	55	30	< 15	990				< 20
Nitrate as N	11.3	mg/l	UK DWS	1	6.87	7.1	5.82	4.87	0.14	5.94	6	6.65	6.21				
Nitrate as NO3	50	mg/l	UK DWS	2	30.4	31.5	25.8	21.6	0.64	26.3	26.6	29.5	27.5				37.03
Nitrite as N	160	ug/l	UK DWS	4	5.3	9.4	7	8.9	4.1	33	7.4	4	21				
Nitrite as NO2	500	ug/l	UK DWS	4	17	31	23	29	13	110	24	13	69				< 100
Alkalinity	N/A	mg/l	-	0	560	540	680	350	390	200	400	520	450				237
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	3	19	11	9.7	< 2.0	8.8	< 2.0	11	13	<6			
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	-	< 1.0	I/S	< 1.0	1.6	< 1.0	< 1.0	1.7	< 1.0	<1			
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	2	6.9	7.1	5.8	4.9	< 0.3	6	6	6.7	6.2				8.4
Total Suspended Solids	N/A	mg/l	-	0	< 2.0	26	< 2.0	< 2.0	< 2.0	17	< 2.0	65	290				651
Hardness - Total	N/A	mg/l	-	0	441	370	356	423	454	504	423	483	399				310
Bromide	N/A	mg/l	-	0	0.31	0.37	0.43	0.54	0.5	0.78	0.37	0.51	0.37				
Bromate	0.01	mg/l	UK DWS	0	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002				
Phenols																	
Catechol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5				
Resorcinol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10			
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5				
Cresols	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10			
Naphthols	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5				
Isopropylphenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5				
Phenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10			
Trimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5				
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01
Fluorene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01
Anthracene	0.1	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01
Fluoranthene	0.0063	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01
Pyrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01
Chrysene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01		< 1	< 0.01
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01		< 1	< 0.01
Heavy metals and metalloids																	

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G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					997700	1020263	1052139	1074205	1096406	1106502	1131834	1160661	1182061				
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied						
Depth to Top					13.36-23.46	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	17.54-24.37	None Supplied	None Supplied	21/01/1900	21/01/1900	21/01/1900	22/01/1900
Depth to Bottom												None Supplied	17.80-23.60				
Date Sampled					09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018	15/01/2019	20/02/2019	20/03/2019	16/11/16	22/11/16	01/12/16	03/02/17
Sample Type					1330	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied						
Antimony	5	ug/l	UK DWS	0	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	0.6	< 0.4	< 0.4				< 1
Arsenic	10	ug/l	UK DWS	0	0.69	1.3	0.63	0.19	0.32	< 0.15	0.24	0.33	< 0.15	< 1			< 1
Barium	700	ug/l	WHO	0	150	170	150	160	160	160	120	160	120	78			
Beryllium	4	ug/l	USEPA	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 1			< 1
Boron	1000	ug/l	UK DWS	1	220	200	200	230	210	230	180	220	220	60			
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.2			< 0.2
Calcium	N/A	mg/l	-	0	170	150	140	170	180	200	170	190	160				121
Chromium VI	3.4	ug/l	FEQS	2	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10			
Chromium III	4.7	ug/l	FEQS	0	1.6	1.6	2.4	< 1.0	< 1.0	1.1	1.1	< 1.0	< 1.0				
Chromium Total	50	ug/l	UK DWS	0	1.6	1.6	2.4	0.9	< 0.2	1.1	1.1	0.7	0.5	< 1			1
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	1.9	6.4	4.2	0.7	< 0.5	1.1	2.3	1.6	0.7	< 1			1
Iron	0.2	mg/l	UK DWS	2	0.022	< 0.004	< 0.004	0.005	0.016	< 0.004	0.006	< 0.004	0.005				0.141
Lead	10	ug/l	UK DWS	0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 1			< 1
Magnesium	N/A	mg/l	-	0	2.5	1.9	2	2.4	2.3	2.2	2.4	2.3	2.2				2
Manganese (bioavailable)	50	ug/l	UK DWS	26	5	1.6	4.6	0.25	0.77	0.25	0.82	2.5	0.79				13
Mercury	1	ug/l	UK DWS	2	0.25	< 0.05	0.05	0.12	0.1	< 0.05	< 0.05	< 0.05	0.06	< 0.1			< 0.1
Molybdenum	70	ug/l	WHO	0	0.11	0.53	0.48	0.06	< 0.05	0.1	0.2	0.11	0.75				
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	2	2.4	2.7	2.5	1.7	0.9	2	2.2	2.5	1.8	< 1			< 1
Potassium	N/A	mg/l	-	0	0.75	0.79	0.83	0.94	0.89	0.84	1	0.95	0.94				1
Selenium	10	ug/l	UK DWS	0	1.1	1.1	1.6	0.8	2.2	2	2.3	< 0.6	1.7	< 1			< 1
Sodium	50	mg/l	WHO	26	31	26	28	32	33	34	30	38	32				15
Vanadium	20	ug/l	FEQS	0	0.7	0.4	1.2	0.4	0.4	0.4	0.5	0.6	0.4	< 1			< 1
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	3.9	13	3.3	< 0.5	< 0.5	1.5	2.3	2.2	< 0.5	9			6
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0				
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0										< 5			
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5			
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5			
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5			
TPH >C21-C35 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5			
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				
C5-C35 Aliphatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			
TPH >C8-C9 Aromatics	300	ug/l	WHO	0										< 1			
TPH >C9-C10 Aromatics	300	ug/l	WHO	0										< 1			
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0				
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5			
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5			
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5			
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5			
TPH >C35-C44 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					997700	1020263	1052139	1074205	1096406	1106502	1131834	1160661	1182061				
Client Sample No					ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied						
Depth to Top					13.36-23.46	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	17.54-24.37	None Supplied	None Supplied	21/01/1900	21/01/1900	21/01/1900	22/01/1900
Depth to Bottom												None Supplied	17.80-23.60				
Date Sampled					09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018	15/01/2019	20/02/2019	20/03/2019	16/11/16	22/11/16	01/12/16	03/02/17
Sample Type					1330	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied						
	Screening value	**Units**	**Screening standard**	**Number of Exceedances**													
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10			< 10
Chloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Bromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0				
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			
1,1 -Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
2,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Trichloromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2			< 2
1,1-Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Tetrachloromethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
1,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Trichloroethene	10	ug/l	UK DWS	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Dibromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Bromodichloromethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10			< 10
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0				
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
1,3-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Dibromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3			< 3
Tetrachloroethene	10	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Chlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0				
m,p-Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Styrene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Tribromomethane	########	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0				
o-Xylene	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Bromobenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
2-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
4-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2			< 2
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					997700	1020263	1052139	1074205	1096406	1106502	1131834	1160661	1182061				
Client Sample No					ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied						
Depth to Top					13.36-23.46	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	17.54-24.37	None Supplied	None Supplied	21/01/1900	21/01/1900	21/01/1900	22/01/1900
Depth to Bottom												None Supplied	17.80-23.60				
Date Sampled					09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018	15/01/2019	20/02/2019	20/03/2019	16/11/16	22/11/16	01/12/16	03/02/17
Sample Type	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1330	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied						
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1
n-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2			< 2
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3		< 1	< 3
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1
2,6 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1				
4,2 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1				
4,3 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1				
2,4 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1				
2,5 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1				
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3			< 3
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0				
Bromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5			< 5
Dichloromethane	20	ug/l	FEQS	0	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 3.0	< 3.0	< 5			< 5
Carbon disulphide	########	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1			< 1
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
2-Chlorophenol	50	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
2-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
Hexachloroethane	40	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
Nitrobenzene	1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
4-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
Isophorone	7000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
2-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
Bis(2-chloroethoxy)methane	########	ug/l	Default	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
2-Methylnaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
2-Chloronaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
Dimethylphthalate	800	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
Dibenzofuran	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
Diethyl phthalate	200	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
Bromophenyl phenyl ether	########	ug/l	Default	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
Hexachlorobenzene	1	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1	< 1
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01				
Carbazole	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001	
PCB Congener 81	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001	
PCB Congener 105	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001	
PCB Congener 114	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001	
PCB Congener 118	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.002	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID					997700	1020263	1052139	1074205	1096406	1106502	1131834	1160661	1182061				
Client Sample No					ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied						
Depth to Top					13.36-23.46	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	17.54-24.37	None Supplied	None Supplied	21/01/1900	21/01/1900	21/01/1900	22/01/1900
Depth to Bottom												None Supplied	17.80-23.60				
Date Sampled					09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018	15/01/2019	20/02/2019	20/03/2019	16/11/16	22/11/16	01/12/16	03/02/17
Sample Type	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1330	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied						
PCB Congener 123	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001	
PCB Congener 126	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001	
PCB Congener 156	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001	
PCB Congener 157	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001	
PCB Congener 167	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001	
PCB Congener 169	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001	
PCB Congener 189	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020			< 0.001	
PCBs	25	ug/l	FEQS	0	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300				
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	1	0.09	0.08	0.21	0.11	0.1	0.16	0.12	0.11	< 0.05				
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0	0.05	0.06	0.06	0.05	0.06	0.07	0.06	0.09	< 0.05				
Metaldehyde	0.1	ug/l	UK DWS	20	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2				
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1				
Chlorbufam	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 1.0		
Chloroxuron	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1		
Chlorpropham	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 1.0		
Ethiofencarb	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1		
Phenmedipham	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1		
Propham	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1		
Dimefuron	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1		
Metoxuron	0.1	ug/l	UK DWS	1		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.2		< 0.1		
Pencycuron	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1		
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Demeton-s-methyl	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10				
Diclofop	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
Fenvalerate	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1		
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1		
Ametryn	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10				
Atrazine-methoxy	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1		
Bromacil	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02				
Flamprop	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
Flamprop-isopropyl	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
Prometon	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1		
Simetryn	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.1		
4-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 1	< 1
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1
Perylene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0		< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20		< 0.1		
Carbetamide	100	ng/l	UK DWS	0		< 20	< 20	< 20	< 100.00	< 200.00	< 20	< 20	< 200.00		< 0.1		
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			< 2	< 2
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			< 10	< 10
Total phthalates	N/A	mg/l	-	0		< 3.5											
Glycols																	
Ethylene Glycol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				
Diethylene Glycol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				
1,2-Propanediol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				
Rodenticides																	
Triazine Pesticides																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					997700	1020263	1052139	1074205	1096406	1106502	1131834	1160661	1182061				
Client Sample No					ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied						
Depth to Top					13.36-23.46	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	17.54-24.37	None Supplied	None Supplied	21/01/1900	21/01/1900	21/01/1900	22/01/1900
Depth to Bottom												None Supplied	17.80-23.60				
Date Sampled					09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018	15/01/2019	20/02/2019	20/03/2019	16/11/16	22/11/16	01/12/16	03/02/17
Sample Type					1330	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied						
	Screening value	**Units**	**Screening standard**	**Number of Exceedances**													
Atrazine	0.1	ug/l	UK DWS	18		0.08	0.07	0.08	0.1	0.08	0.08	0.09	0.1		< 0.1		
Simazine	0.1	ug/l	UK DWS	0		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1		
Prometryn	0.1	ug/l	UK DWS	0		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1		
Propazine	0.1	ug/l	UK DWS	0		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1		
Terbuthylazine	0.1	ug/l	UK DWS	0		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1		
Terbutryn	0.1	ug/l	UK DWS	0		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.1		
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02				
2,4-D butyl ester	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10				
2,4-D ethyl ester	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10				
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10				
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10				
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
Benazolin	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
Bromoxynil	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
Clopyralid	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.20	< 0.20 **	< 0.02		< 0.02		
Ioxynil	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
2,4,5-T	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
2,4,5-TP	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
2,4-D	0.1	ug/l	UK DWS	1		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
2,4-DB	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
Dicamba	0.1	ug/l	UK DWS	1		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
Dichlorprop	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
MCPA	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
MCPB	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
Mecoprop	0.1	ug/l	UK DWS	15		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
Picloram	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01				
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Endosulfan Sulphate	0.1	ug/l	UK DWS	0		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Isodrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Trifluralin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	1		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	997700	1020263	1052139	1074205	1096406	1106502	1131834	1160661	1182061				
Client Sample No					ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied						
Depth to Top					13.36-23.46	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	17.54-24.37	None Supplied	None Supplied	21/01/1900	21/01/1900	21/01/1900	22/01/1900
Depth to Bottom												None Supplied	17.80-23.60				
Date Sampled					09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018	15/01/2019	20/02/2019	20/03/2019	16/11/16	22/11/16	01/12/16	03/02/17
Sample Type					1330	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied						
Fluroxypyr	0.1	ug/l	UK DWS	0		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
Triclorpyr	0.1	ug/l	UK DWS	1		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Chlorfenvinphos I	0.1	ug/l	UK DWS	0													
Chlorfenvinphos II	0.1	ug/l	UK DWS	0													
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0											< 0.01		
Diazinon	0.1	ug/l	UK DWS	0		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Dichlorvos	0.1	ug/l	UK DWS	0		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Ethion	0.1	ug/l	UK DWS	0		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Fenthion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100		
Chlortoluron	100	ng/l	UK DWS	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100		
Diflubenzuron	100	ng/l	UK DWS	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100		
Diuron	100	ng/l	UK DWS	11		16	17	17	22	17	19	17	19		< 100		
Linuron	100	ng/l	UK DWS	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100		
Methabenzthiazuron	100	ng/l	UK DWS	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100		
Monolinuron	100	ng/l	UK DWS	0		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100		
Monuron	100	ng/l	UK DWS	0		13.000	15.000	19.000	51.000	18.000	22.000	23.000	37.000		< 100		
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 100				< 10
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10				< 10
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10				< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10				< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				< 10
Heptanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				< 11
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1		
Cypermethrin	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 100		
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1		
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01		
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		<10		
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		<10		
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		<10		
Chlorophenols																	
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.001	< 0.001	< 0.001	< 0.001
Others																	
Chlordane	0.0001	mg/l	UK DWS	0											< 0.00001		
Chlorothalonil	0.0001	mg/l	UK DWS	0											< 0.00001		

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	997700	1020263	1052139	1074205	1096406	1106502	1131834	1160661	1182061				
Client Sample No					ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH50	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied						
Depth to Top					13.36-23.46	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	17.54-24.37	None Supplied	None Supplied	21/01/1900	21/01/1900	21/01/1900	22/01/1900
Depth to Bottom												None Supplied	17.80-23.60				
Date Sampled					09/07/2018	08/08/2018	24/09/2018	23/10/2018	21/11/2018	03/12/2018	15/01/2019	20/02/2019	20/03/2019	16/11/16	22/11/16	01/12/16	03/02/17
Sample Type					1330	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied						
Chlorpyrifos	0.0001	mg/l	UK DWS	0											< 0.00001		
Pendimethalin	0.0001	mg/l	UK DWS	0											< 0.00001		
Bromoform	0.1	mg/l	WHO	0										< 0.001			< 0.001
Methane	N/A	ug/l	-	0								< 0.1	< 0.1				< 1

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G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID								944662	960432	981286	1000275	1020264	1053170	1074206	1099109	1107477	1131836
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51
Client Sample ID								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					22/01/1900	21/01/1900	22/01/1900	None Supplied	None Supplied	None Supplied	18.40-32.15	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	22.59-32.82
Depth to Bottom								None Supplied	None Supplied								
Date Sampled					07/03/17	04/04/17	17/05/17	16/04/2018	14/05/2018	13/06/2018	12/07/2018	09/08/2018	25/09/2018	22/10/2018	22/11/2018	04/12/2018	15/01/2019
Sample Type										None Supplied	0830	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-					8	7.2	7.3	7.3	7.4	7.3	7.3	7.3	7.4	7.3
Total Cyanide	50	ug/l	UK DWS	0	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Complex Cyanides	50	ug/l	UK DWS	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Free Cyanide	50	ug/l	UK DWS	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thiocyanate as SCN	50	ug/l	UK DWS	0				< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Sulphate as SO4	250000	ug/l	UK DWS	0	31000	32000	30000	32600	34200	34500	28900	23500	26900	25700	21500	22600	25400
Sulphide	250000	ug/l	UK DWS	0	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloride	250	mg/l	UK DWS	0	31.9	31.23	33	28	26	27	29	42	30	29	33	30	32
Fluoride	1500	ug/l	UK DWS	0	140	140	730	150	130	180	150	150	130	210	160	180	200
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	22	< 20	< 20	< 20	140	61	< 15	20	250	24	330	35	95	25
Nitrate as N	11.3	mg/l	UK DWS	1				9.12	12.3	9.74	7.41	8.13	7.93	7.54	7.35	6.89	7.4
Nitrate as NO3	50	mg/l	UK DWS	2	27.41	31.8	31.75	40.4	54.5	43.1	32.8	36	35.1	33.4	32.6	30.5	32.8
Nitrite as N	160	ug/l	UK DWS	4				6.8	1.8	9	12	7.6	3	8.5	7.1	28	19
Nitrite as NO2	500	ug/l	UK DWS	4	< 100	< 100	< 100	22	6.1	30	38	25	9.9	28	23	93	62
Alkalinity	N/A	mg/l	-	0	252	212	207	210	410	440	410	420	480	240	180	210	220
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0				3.2	5.8	< 2.0	< 2.0	< 2.0	4.7	< 2.0	6.7	< 2.0	25
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0				-	1.2	1	1.1	1.2	< 1.0	< 1.0	1.4	< 1.0	< 1.0
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	2	6.2	7.2	7.2	9.1	12	9.8	7.4	8.1	7.9	7.5	7.4	6.9	7.4
Total Suspended Solids	N/A	mg/l	-	0	2363	516	1421	9	10	22	34	86	26	4	220	15	860
Hardness - Total	N/A	mg/l	-	0	331	308	337	222	328	310	307	277	293	295	238	240	295
Bromide	N/A	mg/l	-	0				0.078	0.065	0.074	0.075	0.093	0.084	0.078	0.081	0.14	0.063
Bromate	0.01	mg/l	UK DWS	0				< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Phenols																	
Catechol	7.7	ug/l	FEQS	0				< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Resorcinol	7.7	ug/l	FEQS	0				< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0				< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Cresols	100	ug/l	FEQS	0				< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Naphthols	7.7	ug/l	FEQS	0				< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Isopropylphenol	7.7	ug/l	FEQS	0				< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Phenol	7.7	ug/l	FEQS	0				< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trimethylphenol	100	ug/l	FEQS	0				< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	< 0.01	< 0.01	0.21	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	0.1	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	0.0063	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Heavy metals and metalloids																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID								944662	960432	981286	1000275	1020264	1053170	1074206	1099109	1107477	1131836
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51
Client Sample ID								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					22/01/1900	21/01/1900	22/01/1900	None Supplied	None Supplied	None Supplied	18.40-32.15	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	22.59-32.82
Depth to Bottom								None Supplied	None Supplied								
Date Sampled					07/03/17	04/04/17	17/05/17	16/04/2018	14/05/2018	13/06/2018	12/07/2018	09/08/2018	25/09/2018	22/10/2018	22/11/2018	04/12/2018	15/01/2019
Sample Type										None Supplied	0830	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Antimony	5	ug/l	UK DWS	0	< 1	< 1	< 1	< 0.4	< 0.4	< 0.4	< 0.4	0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Arsenic	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 0.15	< 0.15	0.19	0.22	0.67	0.22	0.17	0.18	< 0.15	0.22
Barium	700	ug/l	WHO	0				52	56	66	49	64	51	54	52	49	37
Beryllium	4	ug/l	USEPA	0	< 1	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron	1000	ug/l	UK DWS	1				36	51	51	42	48	34	28	< 10	14	< 10
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.2	< 0.2	< 0.2	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Calcium	N/A	mg/l	-	0	129	120	132	85	130	120	120	110	110	120	93	93	110
Chromium VI	3.4	ug/l	FEQS	2				17	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium III	4.7	ug/l	FEQS	0				< 1.0	1.3	1.6	1.1	1.6	1.7	1.4	1.3	1.6	1.2
Chromium Total	50	ug/l	UK DWS	0	< 1	< 1	7	16	1.3	1.6	1.1	1.6	1.7	1.4	1.3	1.6	1.2
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	< 1	28	< 1	2.1	1.2	3.1	< 0.5	3.5	2.8	0.5	2	2.2	2.1
Iron	0.2	mg/l	UK DWS	2	< 0.01	< 0.01	0.026	0.027	0.006	< 0.004	< 0.004	0.01	0.007	0.038	0.028	0.077	< 0.004
Lead	10	ug/l	UK DWS	0	< 1	< 1	< 1	0.3	< 0.2	0.6	< 0.2	< 0.2	< 0.2	< 0.2	0.3	< 0.2	< 0.2
Magnesium	N/A	mg/l	-	0	2	2	2	2.3	2.1	2.1	1.8	1.5	1.7	1.9	1.5	1.5	1.9
Manganese (bioavailable)	50	ug/l	UK DWS	26	< 1	1	4	2.9	0.79	11	1.2	3.9	2.1	1	1.4	2.2	0.9
Mercury	1	ug/l	UK DWS	2	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.07	< 0.05	< 0.05	< 0.05
Molybdenum	70	ug/l	WHO	0				0.23	0.83	0.08	0.18	0.69	0.12	0.1	< 0.05	< 0.05	0.81
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	2	< 1	< 1	< 1	< 0.5	0.6	0.9	< 0.5	0.7	0.7	< 0.5	< 0.5	0.7	1.5
Potassium	N/A	mg/l	-	0	<1	2	2	1.4	1.5	1.4	1.1	0.91	0.97	1.1	0.8	1	1.2
Selenium	10	ug/l	UK DWS	0	< 1	< 1	< 1	0.7	0.9	0.6	< 0.6	< 0.6	0.9	< 0.6	0.9	0.7	1.1
Sodium	50	mg/l	WHO	26	15	16	16	17	13	15	14	13	14	14	11	14	15
Vanadium	20	ug/l	FEQS	0	< 1	< 1	< 1	0.5	0.3	0.5	0.4	0.7	0.4	0.4	0.3	0.4	0.3
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	4	3	9	< 0.5	1	5.9	6.1	2.6	2.3	< 0.5	< 0.5	1.1	5.2
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes	30	ug/l	FEQS	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0													
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C21-C35 Aliphatics	300	ug/l	WHO	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
C5-C35 Aliphatics	N/A	ug/l	-	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C5-C6 Aromatics	10	ug/l	WHO	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C7-C8 Aromatics	700	ug/l	WHO	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C9 Aromatics	300	ug/l	WHO	0													
TPH >C9-C10 Aromatics	300	ug/l	WHO	0													
TPH >C8-C10 Aromatics	300	ug/l	WHO	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12 Aromatics	90	ug/l	WHO	0			< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aromatics	90	ug/l	WHO	0			< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C16-C21 Aromatics	90	ug/l	WHO	0			< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C21-C35 Aromatics	90	ug/l	WHO	0			< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C35-C44 Aromatics	90	ug/l	WHO	0			< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID								944662	960432	981286	1000275	1020264	1053170	1074206	1099109	1107477	1131836
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51
Client Sample ID								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					22/01/1900	21/01/1900	22/01/1900	None Supplied	None Supplied	None Supplied	18.40-32.15	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	22.59-32.82
Depth to Bottom								None Supplied	None Supplied								
Date Sampled					07/03/17	04/04/17	17/05/17	16/04/2018	14/05/2018	13/06/2018	12/07/2018	09/08/2018	25/09/2018	22/10/2018	22/11/2018	04/12/2018	15/01/2019
Sample Type										None Supplied	0830	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
C5-C35 Aromatics	N/A	ug/l	-	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
C5-C35 Aromatics	N/A	ug/l	-	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1 -Dichloroethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	10	ug/l	UK DWS	2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	100	ug/l	UK DWS	0	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	100	ug/l	WHO	0	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylenes	30	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	########	ug/l	Default	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	30	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Propylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	1	ug/l	UK DWS	0	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID								944662	960432	981286	1000275	1020264	1053170	1074206	1099109	1107477	1131836
Client Sample No					ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51
Client Sample ID								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					22/01/1900	21/01/1900	22/01/1900	None Supplied	None Supplied	None Supplied	18.40-32.15	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	22.59-32.82
Depth to Bottom								None Supplied	None Supplied								
Date Sampled					07/03/17	04/04/17	17/05/17	16/04/2018	14/05/2018	13/06/2018	12/07/2018	09/08/2018	25/09/2018	22/10/2018	22/11/2018	04/12/2018	15/01/2019
Sample Type										None Supplied	0830	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,6 Chloronitrotoluene	700	ug/l	WHO	0				< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4,2 Chloronitrotoluene	700	ug/l	WHO	0				< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4,3 Chloronitrotoluene	700	ug/l	WHO	0				< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4 Chloronitrotoluene	700	ug/l	WHO	0				< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,5 Chloronitrotoluene	700	ug/l	WHO	0				< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	100	ug/l	WHO	0	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane	20	ug/l	FEQS	0	< 5	< 5	< 5	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Carbon disulphide	#######	ug/l	Default	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	50	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachloroethane	40	ug/l	USEPA	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Isophorone	7000	ug/l	USEPA	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	#######	ug/l	Default	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chloronaphthalene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dimethylphthalate	800	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenzofuran	2	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Diethyl phthalate	200	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	#######	ug/l	Default	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	1	ug/l	USEPA	0	< 1	< 1	< 0.01	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	2	ug/l	FEQS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Carbazole	2	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 81	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 105	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 114	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 118	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID								944662	960432	981286	1000275	1020264	1053170	1074206	1099109	1107477	1131836
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51
Client Sample ID								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					22/01/1900	21/01/1900	22/01/1900	None Supplied	None Supplied	None Supplied	18.40-32.15	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	22.59-32.82
Depth to Bottom								None Supplied	None Supplied								
Date Sampled					07/03/17	04/04/17	17/05/17	16/04/2018	14/05/2018	13/06/2018	12/07/2018	09/08/2018	25/09/2018	22/10/2018	22/11/2018	04/12/2018	15/01/2019
Sample Type										None Supplied	0830	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
PCB Congener 123	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 126	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 156	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 157	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 167	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 169	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 189	25	ug/l	FEQS	0				< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCBs	25	ug/l	FEQS	0				< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	1				< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.08
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0				< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.06
Metaldehyde	0.1	ug/l	UK DWS	20				< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0				< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chlorbufam	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chloroxuron	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chlorpropham	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Ethiofencarb	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenmedipham	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Propham	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dimefuron	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Metoxuron	0.1	ug/l	UK DWS	1				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pencycuron	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
o,p-Methoxychlor	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Diclofop	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cyhalothrin	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Ametryn	0.1	ug/l	UK DWS	0			< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Atrazine-methoxy	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromacil	0.1	ug/l	UK DWS	0			< 0.02	< 0.02	< 0.02	0.05		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Flamprop	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Flamprop-isopropyl	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Prometon	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Simetryn	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Perylene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0				< 20	< 20	< 20		< 20	< 20	< 20	< 20	< 20	< 20
Carbetamide	100	ng/l	UK DWS	0				< 20	< 20	< 20		< 20	< 20	< 20	< 100.00	< 20	< 20
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	0	< 2	< 2	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.2
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.1
Total phthalates	N/A	mg/l	-	0								< 3.5					
Glycols																	
Ethylene Glycol	ISSUE	mg/l	Default	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Diethylene Glycol	ISSUE	mg/l	Default	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Propanediol	ISSUE	mg/l	Default	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Rodenticides																	
Triazine Pesticides																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID								944662	960432	981286	1000275	1020264	1053170	1074206	1099109	1107477	1131836
Client Sample No					ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51
Client Sample ID								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					22/01/1900	21/01/1900	22/01/1900	None Supplied	None Supplied	None Supplied	18.40-32.15	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	22.59-32.82
Depth to Bottom								None Supplied	None Supplied								
Date Sampled					07/03/17	04/04/17	17/05/17	16/04/2018	14/05/2018	13/06/2018	12/07/2018	09/08/2018	25/09/2018	22/10/2018	22/11/2018	04/12/2018	15/01/2019
Sample Type										None Supplied	0830	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
	Screening value	**Units**	**Screening standard**	**Number of Exceedances**													
Atrazine	0.1	ug/l	UK DWS	18				< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Simazine	0.1	ug/l	UK DWS	0				< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Prometryn	0.1	ug/l	UK DWS	0				< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Propazine	0.1	ug/l	UK DWS	0				< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Terbuthylazine	0.1	ug/l	UK DWS	0				< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Terbutryn	0.1	ug/l	UK DWS	0				< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4-D butyl ester	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,4-D ethyl ester	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0				< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Benazolin	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Bromoxynil	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Clopyralid	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.20
Ioxynil	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-T	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-TP	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4-D	0.1	ug/l	UK DWS	1				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2,4-DB	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Dicamba	0.1	ug/l	UK DWS	1				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Dichlorprop	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
MCPA	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
MCPB	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Mecoprop	0.1	ug/l	UK DWS	15				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Picloram	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dieldrin	0.03	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan Sulphate	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endrin	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Trifluralin	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	1				0.050	0.090	0.250		< 0.02	0.030	< 0.02	< 0.02	< 0.02	0.050

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID								944662	960432	981286	1000275	1020264	1053170	1074206	1099109	1107477	1131836
Client Sample No					ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51
Client Sample ID								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					22/01/1900	21/01/1900	22/01/1900	None Supplied	None Supplied	None Supplied	18.40-32.15	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	22.59-32.82
Depth to Bottom								None Supplied	None Supplied								
Date Sampled					07/03/17	04/04/17	17/05/17	16/04/2018	14/05/2018	13/06/2018	12/07/2018	09/08/2018	25/09/2018	22/10/2018	22/11/2018	04/12/2018	15/01/2019
Sample Type										None Supplied	0830	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
	Screening value	**Units**	**Screening standard**	**Number of Exceedances**													
Fluroxypyr	0.1	ug/l	UK DWS	0				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Triclorpyr	0.1	ug/l	UK DWS	1				< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Azinphos-methyl	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos I	0.1	ug/l	UK DWS	0				< 0.01									
Chlorfenvinphos II	0.1	ug/l	UK DWS	0				< 0.01									
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0				< 0.01									
Diazinon	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Malathion	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0				< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
Chlortoluron	100	ng/l	UK DWS	0				< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
Diflubenzuron	100	ng/l	UK DWS	0				< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
Diuron	100	ng/l	UK DWS	11				< 10	12	< 10		24	19	19	20	24	20
Linuron	100	ng/l	UK DWS	0				< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
Methabenzthiazuron	100	ng/l	UK DWS	0				< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
Monolinuron	100	ng/l	UK DWS	0				< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
Monuron	100	ng/l	UK DWS	0				< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 11	< 11	< 11	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0				< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cypermethrin	100	ng/l	UK DWS	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Deltramethrin	0.1	ug/l	UK DWS	0				< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Permethrin	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Permethrin	0.1	ug/l	UK DWS	0				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	2				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chlorophenols																	
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.001	< 0.001	< 0.00002	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Others																	
Chlordane	0.0001	mg/l	UK DWS	0													
Chlorothalonil	0.0001	mg/l	UK DWS	0													

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**				944662	960432	981286	1000275	1020264	1053170	1074206	1099109	1107477	1131836
Client Sample No					ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH51
Client Sample ID								None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					22/01/1900	21/01/1900	22/01/1900	None Supplied	None Supplied	None Supplied	18.40-32.15	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	22.59-32.82
Depth to Bottom								None Supplied	None Supplied								
Date Sampled					07/03/17	04/04/17	17/05/17	16/04/2018	14/05/2018	13/06/2018	12/07/2018	09/08/2018	25/09/2018	22/10/2018	22/11/2018	04/12/2018	15/01/2019
Sample Type										None Supplied	0830	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Chlorpyrifos	0.0001	mg/l	UK DWS	0													
Pendimethalin	0.0001	mg/l	UK DWS	0													
Bromoform	0.1	mg/l	WHO	0	< 0.001	< 0.001	< 0.001										
Methane	N/A	ug/l	-	0	1	< 2	< 1										

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID					1163610	1180865								945424	962605	980067	999568
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55
Client Sample ID														None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					None Supplied	None Supplied	07/02/1900	07/02/1900	06/02/1900	08/02/1900	07/02/1900	07/02/1900	08/02/1900	None Supplied	None Supplied	None Supplied	35.94-51.87
Depth to Bottom					None Supplied	27.71-31.82								None Supplied	None Supplied		
Date Sampled					22/02/2019	19/03/2019	16/11/16	22/11/16	01/12/16	03/02/17	07/03/17	04/04/17	17/05/17	18/04/2018	16/05/2018	12/06/2018	10/07/2018
Sample Type																None Supplied	1120
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-		7.4	7.4								7	6.9	7	7
Total Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 5			< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10
Complex Cyanides	50	ug/l	UK DWS	0	< 10	< 10	< 5							< 10	< 10	< 10	< 10
Free Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 5							< 10	< 10	< 10	< 10
Thiocyanate as SCN	50	ug/l	UK DWS	0	< 200	< 200								< 200	< 200	< 200	< 200
Sulphate as SO4	250000	ug/l	UK DWS	0	21900	24800				30000	30000	29000	29000	25700	17400	26800	22900
Sulphide	250000	ug/l	UK DWS	0	< 5.0	< 5.0				< 100	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0
Chloride	250	mg/l	UK DWS	0	35	40				98.2	97.63	104	103	74	83	83	110
Fluoride	1500	ug/l	UK DWS	0	240	190				100	< 100	150	330	140	160	240	210
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	22	< 15	28				30	< 20	50	220	120	120	53	99
Nitrate as N	11.3	mg/l	UK DWS	1	6.79	7.57								1.16	1.19	1.11	0.57
Nitrate as NO3	50	mg/l	UK DWS	2	30.1	33.5				16.9	2.41	0.91	1.67	5.14	5.27	4.92	2.51
Nitrite as N	160	ug/l	UK DWS	4	20	7.4								4	52	18	130
Nitrite as NO2	500	ug/l	UK DWS	4	67	24				220	< 100	< 100	< 100	13	170	60	420
Alkalinity	N/A	mg/l	-	0	250	250				344	357	337	293	530	590	590	570
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	30	22	7							6.9	5.7	15	8.6
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	15	< 1.0	<1							< 1.0	< 1.0	< 1.0	< 1.0
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	2	6.8	7.6				3.9	0.6	0.2	0.4	1.2	1.2	1.1	0.7
Total Suspended Solids	N/A	mg/l	-	0	1800	5				1411	1904	1449	2469	1000	210	470	470
Hardness - Total	N/A	mg/l	-	0	353	289				439	507	401	443	360	308	388	383
Bromide	N/A	mg/l	-	0	0.07	0.083								0.34	0.31	0.39	0.37
Bromate	0.01	mg/l	UK DWS	0	< 0.002	< 0.002								< 0.002	< 0.002	< 0.002	< 0.002
Phenols																	
Catechol	7.7	ug/l	FEQS	0	< 0.5	< 0.5								< 0.5	< 0.5	< 0.5	< 0.5
Resorcinol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 10							< 0.5	< 0.5	< 0.5	< 0.5
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5								< 0.5	< 0.5	< 0.5	< 0.5
Cresols	100	ug/l	FEQS	0	< 0.5	< 0.5	< 10							< 0.5	< 0.5	< 0.5	< 0.5
Naphthols	7.7	ug/l	FEQS	0	< 0.5	< 0.5								< 0.5	< 0.5	< 0.5	< 0.5
Isopropylphenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5								< 0.5	< 0.5	< 0.5	< 0.5
Phenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 10							< 0.5	< 0.5	< 0.5	< 0.5
Trimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5								< 0.5	< 0.5	< 0.5	< 0.5
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	0.1	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	0.0063	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.01		< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001
Heavy metals and metalloids																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1163610	1180865								945424	962605	980067	999568
Client Sample No					ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55
Client Sample ID														None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					None Supplied	None Supplied	07/02/1900	07/02/1900	06/02/1900	08/02/1900	07/02/1900	07/02/1900	08/02/1900	None Supplied	None Supplied	None Supplied	35.94-51.87
Depth to Bottom					None Supplied	27.71-31.82								None Supplied	None Supplied		
Date Sampled					22/02/2019	19/03/2019	16/11/16	22/11/16	01/12/16	03/02/17	07/03/17	04/04/17	17/05/17	18/04/2018	16/05/2018	12/06/2018	10/07/2018
Sample Type																None Supplied	1120
Antimony	5	ug/l	UK DWS	0	< 0.4	< 0.4				< 1	< 1	< 1	< 1	< 0.4	< 0.4	3.1	< 0.4
Arsenic	10	ug/l	UK DWS	0	0.17	0.4	< 1			< 1	< 1	< 1	< 1	0.36	0.3	3.19	0.61
Barium	700	ug/l	WHO	0	50	47	145							120	120	94	120
Beryllium	4	ug/l	USEPA	0	< 0.1	< 0.1	< 1			< 1	< 1	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1
Boron	1000	ug/l	UK DWS	1	23	26	211							90	82	110	170
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.2			< 0.2	< 0.2	< 0.2	0.4	< 0.02	< 0.02	0.03	< 0.02
Calcium	N/A	mg/l	-	0	140	110				171	198	156	173	140	120	150	150
Chromium VI	3.4	ug/l	FEQS	2	< 5.0	< 5.0	< 10							< 5.0	< 5.0	< 5.0	< 5.0
Chromium III	4.7	ug/l	FEQS	0	1.4	1.2								1	1.3	< 1.0	1.9
Chromium Total	50	ug/l	UK DWS	0	1.4	1.2	< 1			2	1	< 1	< 1	1	1.3	0.8	1.9
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	1.4	2.4	1			3	2	< 1	2	1.9		3.5	2.9
Iron	0.2	mg/l	UK DWS	2	< 0.004	0.16				0.32	0.17	< 0.01	0.017	< 0.004	0.022	< 0.004	< 0.004
Lead	10	ug/l	UK DWS	0	< 0.2	< 0.2	< 1			4	< 1	< 1	< 1	< 0.2	0.4	9.9	< 0.2
Magnesium	N/A	mg/l	-	0	1.4	1.9				3	3	3	3	2.5	2.7	3	2.4
Manganese (bioavailable)	50	ug/l	UK DWS	26	0.21	0.94				63	39	25	21	11	17	49	19
Mercury	1	ug/l	UK DWS	2	< 0.05	0.11	< 0.1			< 0.1	< 0.1	< 0.1	0.2	0.24	0.13	< 0.05	0.07
Molybdenum	70	ug/l	WHO	0	0.17	0.56								0.16	0.67	1.8	0.73
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	2	< 0.5	< 0.5	3			5	4	3	4	1.8	2.5	3.4	2.7
Potassium	N/A	mg/l	-	0	0.87	1.2				2	2	2	2	1.4	1.6	1.8	1.5
Selenium	10	ug/l	UK DWS	0	< 0.6	< 0.6	< 1			< 1	< 1	< 1	< 1	1.2	0.9	1	0.9
Sodium	50	mg/l	WHO	26	17	18				51	49	50	51	34	38	51	40
Vanadium	20	ug/l	FEQS	0	0.3	0.3	< 1			2	< 1	< 1	< 1	0.5	0.5	2.7	0.6
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	3.7	4.5	4			31	9	9	13	1.1	2.8	6.9	8
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0								< 1.0	< 1.0	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1							< 1.0	< 1.0	< 1.0	< 1.0
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0			< 5										
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1							< 1.0	< 1.0	< 1.0	< 1.0
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1							< 1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1							< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 5							< 10	< 10	< 10	< 10
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 5							< 10	< 10	< 10	< 10
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 5							< 10	< 10	< 10	< 10
TPH >C21-C35 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 5							< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	0	< 10	< 10								< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0	< 10	< 10								< 10	< 10	< 10	< 10
C5-C35 Aliphatics	N/A	ug/l	-	0	< 10	< 10								< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0	< 10	< 10								< 10	< 10	< 10	< 10
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 1.0	< 1.0	< 1							< 1.0	< 1.0	< 1.0	< 1.0
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 1.0	< 1.0	< 1							< 1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C9 Aromatics	300	ug/l	WHO	0			< 1										
TPH >C9-C10 Aromatics	300	ug/l	WHO	0			< 1										
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 1.0	< 1.0								< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 5	< 5		< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 5	< 5		< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 5	< 5		19	< 5	< 5	< 5	< 10	< 10	< 10	< 10
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 5	< 5		31	< 5	< 5	< 5	< 10	< 10	< 10	< 10
TPH >C35-C44 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 5			< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID					1163610	1180865								945424	962605	980067	999568
Client Sample No					ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55
Client Sample ID														None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					None Supplied	None Supplied	07/02/1900	07/02/1900	06/02/1900	08/02/1900	07/02/1900	07/02/1900	08/02/1900	None Supplied	None Supplied	None Supplied	35.94-51.87
Depth to Bottom					None Supplied	27.71-31.82								None Supplied	None Supplied		
Date Sampled					22/02/2019	19/03/2019	16/11/16	22/11/16	01/12/16	03/02/17	07/03/17	04/04/17	17/05/17	18/04/2018	16/05/2018	12/06/2018	10/07/2018
Sample Type																None Supplied	1120
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10								< 10	< 10	< 10	< 10
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10								< 10	< 10	< 10	< 10
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 10			< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0	< 1.0	< 1.0								< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	2			1	1	1	2	< 1.0	< 1.0	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1							< 1.0	< 1.0	< 1.0	< 1.0
1,1 -Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 2			< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	10	ug/l	UK DWS	2	< 1.0	< 1.0	6			5	6	6	7	< 1.0	3.6	< 1.0	5.2
Dibromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 10			< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0								< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 3			< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	10	ug/l	UK DWS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0								< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	########	ug/l	Default	0	< 1.0	< 1.0								< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 2			< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID					1163610	1180865								945424	962605	980067	999568
Client Sample No					ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55
Client Sample ID														None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					None Supplied	None Supplied	07/02/1900	07/02/1900	06/02/1900	08/02/1900	07/02/1900	07/02/1900	08/02/1900	None Supplied	None Supplied	None Supplied	35.94-51.87
Depth to Bottom					None Supplied	27.71-31.82								None Supplied	None Supplied		
Date Sampled					22/02/2019	19/03/2019	16/11/16	22/11/16	01/12/16	03/02/17	07/03/17	04/04/17	17/05/17	18/04/2018	16/05/2018	12/06/2018	10/07/2018
Sample Type																None Supplied	1120
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
n-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1.0	< 1.0	< 2			< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1.0	< 1.0	< 3		< 1	< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1.0	< 1.0	< 1		< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
2,6 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1								< 1	< 1	< 1	< 1
4,2 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1								< 1	< 1	< 1	< 1
4,3 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1								< 1	< 1	< 1	< 1
2,4 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1								< 1	< 1	< 1	< 1
2,5 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1								< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 3			< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0								< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 5			< 5	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane	20	ug/l	FEQS	0	< 3.0	< 3.0	< 5			< 5	< 5	< 5	< 5	< 100	< 100	< 100	< 100
Carbon disulphide	#######	ug/l	Default	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1			< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	50	ug/l	FEQS	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
Hexachloroethane	40	ug/l	USEPA	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	1	ug/l	UK DWS	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
Isophorone	7000	ug/l	USEPA	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	#######	ug/l	Default	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
2-Chloronaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
Dimethylphthalate	800	ug/l	FEQS	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
Dibenzofuran	2	ug/l	FEQS	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
Diethyl phthalate	200	ug/l	FEQS	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	#######	ug/l	Default	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	1	ug/l	USEPA	0	< 0.05	< 0.05	< 1	< 1		< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01								< 0.01	< 0.01	< 0.01	< 0.01
Carbazole	2	ug/l	FEQS	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 81	25	ug/l	FEQS	0	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 105	25	ug/l	FEQS	0	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 114	25	ug/l	FEQS	0	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 118	25	ug/l	FEQS	0	< 0.020	< 0.020			< 0.002					< 0.020	< 0.020	< 0.020	< 0.020

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID					1163610	1180865								945424	962605	980067	999568
Client Sample No					ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55
Client Sample ID														None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					None Supplied	None Supplied	07/02/1900	07/02/1900	06/02/1900	08/02/1900	07/02/1900	07/02/1900	08/02/1900	None Supplied	None Supplied	None Supplied	35.94-51.87
Depth to Bottom					None Supplied	27.71-31.82								None Supplied	None Supplied		
Date Sampled					22/02/2019	19/03/2019	16/11/16	22/11/16	01/12/16	03/02/17	07/03/17	04/04/17	17/05/17	18/04/2018	16/05/2018	12/06/2018	10/07/2018
Sample Type																None Supplied	1120
PCB Congener 123	25	ug/l	FEQS	0	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 126	25	ug/l	FEQS	0	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 156	25	ug/l	FEQS	0	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 157	25	ug/l	FEQS	0	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 167	25	ug/l	FEQS	0	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 169	25	ug/l	FEQS	0	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 189	25	ug/l	FEQS	0	< 0.020	< 0.020			< 0.001					< 0.020	< 0.020	< 0.020	< 0.020
PCBs	25	ug/l	FEQS	0	< 0.300	< 0.300								< 0.300	< 0.300	< 0.300	< 0.300
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	1	< 0.05	< 0.05								< 0.05	< 0.05	0.06	< 0.05
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0	< 0.05	< 0.05								< 0.05	< 0.05	< 0.05	< 0.05
Metaldehyde	0.1	ug/l	UK DWS	20	< 0.1	< 0.2								< 0.1	0.2	0.2	< 0.1
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0	< 0.1	< 0.1								< 0.1	< 0.1	< 0.1	< 0.1
Chlorbufam	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 1.0						< 0.10	< 0.10	< 0.10	
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10	
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 1.0						< 0.10	< 0.10	< 0.10	
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10	
Phenmedipham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10	
Propham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10	
Dimefuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10	
Metoxuron	0.1	ug/l	UK DWS	1	< 0.10	< 0.2		< 0.1						< 0.10	< 0.10	< 0.10	
Pencycuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10	
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0	< 0.10	< 0.10								< 0.10	< 0.10	< 0.10	
Diclofop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
Fenvalerate	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10	< 0.10
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10	< 0.10
Ametryn	0.1	ug/l	UK DWS	0	< 0.10	< 0.10				< 0.1				< 0.10	< 0.10	< 0.10	
Atrazine-methoxy	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10	
Bromacil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02				< 0.02				< 0.02	< 0.02	< 0.02	
Flamprop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
Flamprop-isopropyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
Prometon	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10	
Simetryn	0.1	ug/l	UK DWS	0	< 0.10	< 0.10		< 0.1						< 0.10	< 0.10	< 0.10	
4-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05			< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Perylene	2	ug/l	FEQS	0	< 1	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0	< 20	< 20		< 0.1						< 20	< 20	< 20	
Carbetamide	100	ng/l	UK DWS	0	< 20	< 200.00		< 0.1						< 20	< 20	< 20	
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	0	< 1.0	< 1.0			< 2	< 2	< 2	< 2	< 10	< 1.0	< 1.0	< 1.0	< 1.0
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 1.0	< 1.0			< 10	< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0
Total phthalates	N/A	mg/l	-	0													
Glycols																	
Ethylene Glycol	ISSUE	mg/l	Default	0	< 10	< 10								< 10	< 10	< 10	< 10
Diethylene Glycol	ISSUE	mg/l	Default	0	< 10	< 10								< 10	< 10	< 10	< 10
1,2-Propanediol	ISSUE	mg/l	Default	0	< 10	< 10								< 10	< 10	< 10	< 10
Rodenticides																	
Triazine Pesticides																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID					1163610	1180865								945424	962605	980067	999568
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55
Client Sample ID														None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					None Supplied	None Supplied	07/02/1900	07/02/1900	06/02/1900	08/02/1900	07/02/1900	07/02/1900	08/02/1900	None Supplied	None Supplied	None Supplied	35.94-51.87
Depth to Bottom					None Supplied	27.71-31.82								None Supplied	None Supplied		
Date Sampled					22/02/2019	19/03/2019	16/11/16	22/11/16	01/12/16	03/02/17	07/03/17	04/04/17	17/05/17	18/04/2018	16/05/2018	12/06/2018	10/07/2018
Sample Type																None Supplied	1120
Atrazine	0.1	ug/l	UK DWS	18	< 0.05	< 0.05		< 0.1						0.15	0.14	0.12	
Simazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05		< 0.1						< 0.05	< 0.05	< 0.05	
Prometryn	0.1	ug/l	UK DWS	0	< 0.05	< 0.05		< 0.1						< 0.05	< 0.05	< 0.05	
Propazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05		< 0.1						< 0.05	< 0.05	< 0.05	
Terbuthylazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05		< 0.1						< 0.05	< 0.05	< 0.05	
Terbutryn	0.1	ug/l	UK DWS	0	< 0.05	< 0.05		< 0.1						< 0.05	< 0.05	< 0.05	
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0	< 0.02	< 0.02								< 0.02	< 0.02	< 0.02	
2,4-D butyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10								< 0.10	< 0.10	< 0.10	
2,4-D ethyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10								< 0.10	< 0.10	< 0.10	
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10								< 0.10	< 0.10	< 0.10	
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10								< 0.10	< 0.10	< 0.10	
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
Benazolin	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
Clopyralid	0.1	ug/l	UK DWS	0	< 0.20	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
Ioxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
2,4-D	0.1	ug/l	UK DWS	1	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
Dicamba	0.1	ug/l	UK DWS	1	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
Dichlorprop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
MCPA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
MCPB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
Mecoprop	0.1	ug/l	UK DWS	15	< 0.02	< 0.02		< 0.02						0.03	0.03	0.02	
Picloram	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01								< 0.01	< 0.01	< 0.01	< 0.01
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Trifluralin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	1	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID					1163610	1180865								945424	962605	980067	999568
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55
Client Sample ID														None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					None Supplied	None Supplied	07/02/1900	07/02/1900	06/02/1900	08/02/1900	07/02/1900	07/02/1900	08/02/1900	None Supplied	None Supplied	None Supplied	35.94-51.87
Depth to Bottom					None Supplied	27.71-31.82								None Supplied	None Supplied		
Date Sampled					22/02/2019	19/03/2019	16/11/16	22/11/16	01/12/16	03/02/17	07/03/17	04/04/17	17/05/17	18/04/2018	16/05/2018	12/06/2018	10/07/2018
Sample Type																None Supplied	1120
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
Triclorpyr	0.1	ug/l	UK DWS	1	< 0.02	< 0.02		< 0.02						< 0.02	< 0.02	< 0.02	
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	
Chlorfenvinphos I	0.1	ug/l	UK DWS	0										< 0.01			
Chlorfenvinphos II	0.1	ug/l	UK DWS	0										< 0.01			
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0				< 0.01						< 0.01			
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0	< 10	< 10		< 100						< 10	< 10	< 10	
Chlortoluron	100	ng/l	UK DWS	0	< 10	< 10		< 100						< 10	< 10	< 10	
Diflubenzuron	100	ng/l	UK DWS	0	< 10	< 10		< 100						< 10	< 10	< 10	
Diuron	100	ng/l	UK DWS	11	27	31		200						130	130	140	
Linuron	100	ng/l	UK DWS	0	< 10	< 10		< 100						< 10	< 10	< 10	
Methabenzthiazuron	100	ng/l	UK DWS	0	< 10	< 10		< 100						< 10	< 10	< 10	
Monolinuron	100	ng/l	UK DWS	0	< 10	< 10		< 100						< 10	< 10	< 10	
Monuron	100	ng/l	UK DWS	0	< 10	< 10		< 100						12.000	24.000	26.000	
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10	< 100.0				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Butyric acid	0.01	mg/l	Default	0	< 10	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 10	< 10				< 11	< 11	< 11	< 11	< 10	< 10	< 10	< 10
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1		< 0.1						< 0.1	< 0.1	< 0.1	< 0.1
Cypermethrin	100	ng/l	UK DWS	0	< 10	< 10		< 100						< 10	< 10	< 10	< 10
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1		< 0.1						< 0.1	< 0.1	< 0.1	< 0.1
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01		< 0.01						< 0.01	< 0.01	< 0.01	< 0.01
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0	< 10	< 10		<10						< 10	< 10	< 10	< 10
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 10	< 10		<10						< 10	< 10	< 10	< 10
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	2	< 10	< 10		<10						< 10	< 10	< 10	< 10
Chlorophenols																	
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.05	< 0.05	< 0.001	< 0.001		< 0.00002	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.05	< 0.05
Others																	
Chlordane	0.0001	mg/l	UK DWS	0				< 0.00001									
Chlorothalonil	0.0001	mg/l	UK DWS	0				< 0.00001									

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1163610	1180865								945424	962605	980067	999568
Client Sample No					ARP16-CP-BH51	ARP16-CP-BH51	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55
Client Sample ID														None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					None Supplied	None Supplied	07/02/1900	07/02/1900	06/02/1900	08/02/1900	07/02/1900	07/02/1900	08/02/1900	None Supplied	None Supplied	None Supplied	35.94-51.87
Depth to Bottom					None Supplied	27.71-31.82								None Supplied	None Supplied		
Date Sampled					22/02/2019	19/03/2019	16/11/16	22/11/16	01/12/16	03/02/17	07/03/17	04/04/17	17/05/17	18/04/2018	16/05/2018	12/06/2018	10/07/2018
Sample Type																None Supplied	1120
Chlorpyrifos	0.0001	mg/l	UK DWS	0				< 0.00001									
Pendimethalin	0.0001	mg/l	UK DWS	0				< 0.00001									
Bromoform	0.1	mg/l	WHO	0			< 0.001			< 0.001	< 0.001	< 0.001	< 0.001				
Methane	N/A	ug/l	-	0	< 0.1	< 0.1				< 1	< 1	< 2	< 2				

Appendix G

G9 Groundwater Downgradient

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Assessment Senario Water Abstraction

				Summary													
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1020265	1055396	1074207	1099111	1106504	1133264	1163629	1180867					
Client Sample No					ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied							
Depth to Top					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	45.00	None Supplied	None Supplied	39.73	39.34	40.49	38.97	40.23
Depth to Bottom											None Supplied	39.23-52.25					
Date Sampled					09/08/2018	27/09/2018	23/10/2018	22/11/2018	03/12/2018	16/01/2019	25/02/2019	19/03/2019	6/11/16	01/12/16	03/02/17	07/03/17	04/04/17
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied							
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-		7	7	7	7	7	7	7	7.1					
Total Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5		< 5	< 5	< 5
Complex Cyanides	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5		< 5	< 5	< 5
Free Cyanide	50	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5		< 5	< 5	< 5
Thiocyanate as SCN	50	ug/l	UK DWS	0	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200			< 100	< 100	< 100
Sulphate as SO4	250000	ug/l	UK DWS	0	21900	27700	25300	22500	28200	26700	25200	28100			16000	19000	25000
Sulphide	250000	ug/l	UK DWS	0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0			< 100	< 100	< 100
Chloride	250	mg/l	UK DWS	0	110	110	100	110	100	110	110	140			85.3	87.67	102
Fluoride	1500	ug/l	UK DWS	0	160	110	210	240	170	150	200	210			150	230	190
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	22	280	270	320	290	320	290	220	350			< 20	< 20	< 20
Nitrate as N	11.3	mg/l	UK DWS	1	0.59	0.41	0.47	0.22	0.44	0.56	0.77	1.02					
Nitrate as NO3	50	mg/l	UK DWS	2	2.63	1.81	2.08	0.96	1.97	2.5	3.42	4.52			9.56	10.98	3.82
Nitrite as N	160	ug/l	UK DWS	4	89	26	18	8.6	30	7	18	23					
Nitrite as NO2	500	ug/l	UK DWS	4	290	86	59	28	97	23	58	75			< 100	< 100	< 100
Alkalinity	N/A	mg/l	-	0	560	450	470	170	160	580	500	500			236	235	194
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	4.7	14	< 2.0	15	12	9.6	9.9	13	17		11	<6	8
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	< 1.0	< 1.0	< 1.0	1.3	< 1.0	< 1.0	8.7	< 1.0	<1		<1	<1	<1
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	2	0.7	0.4	0.5	< 0.3	0.5	0.6	0.8	1			2.2	2.5	0.9
Total Suspended Solids	N/A	mg/l	-	0	440	160	340	240	140	38	360	5			1904	709	8358
Hardness - Total	N/A	mg/l	-	0	394	453	417	339	495	401	456	430			267	299	322
Bromide	N/A	mg/l	-	0	0.45	0.54	0.6	0.55	0.96	0.42	0.46	0.47					
Bromate	0.01	mg/l	UK DWS	0	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002					
Phenols																	
Catechol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5					
Resorcinol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10		< 10	< 10	< 10
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5					
Cresols	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10		< 10	< 10	< 10
Naphthols	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5					
Isopropylphenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5					
Phenol	7.7	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10		< 10	< 10	< 10
Trimethylphenol	100	ug/l	FEQS	0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5					
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.01
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.01
Fluorene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.01
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.01
Anthracene	0.1	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.01
Fluoranthene	0.0063	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.01
Pyrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 1	< 0.01	< 0.02	< 0.01
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.01
Chrysene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01	< 1	< 0.01	< 0.02	< 0.01
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01	< 1	< 0.01	< 0.02	< 0.01
Heavy metals and metalloids																	

Appendix G

G9 Groundwater Downgradient

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Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					1020265	1055396	1074207	1099111	1106504	1133264	1163629	1180867					
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied							
Depth to Top					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	45.00	None Supplied	None Supplied	39.73	39.34	40.49	38.97	40.23
Depth to Bottom											None Supplied	39.23-52.25					
Date Sampled					09/08/2018	27/09/2018	23/10/2018	22/11/2018	03/12/2018	16/01/2019	25/02/2019	19/03/2019	6/11/16	01/12/16	03/02/17	07/03/17	04/04/17
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied							
Antimony	5	ug/l	UK DWS	0	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	0.5	< 0.4	< 0.4			< 1	< 1	< 1
Arsenic	10	ug/l	UK DWS	0	1.03	0.86	0.2	< 0.15	0.22	0.39	0.26	0.46	< 1		< 1	< 1	< 1
Barium	700	ug/l	WHO	0	170	140	130	140	130	140	140	110	112				
Beryllium	4	ug/l	USEPA	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 1		< 1	< 1	< 1
Boron	1000	ug/l	UK DWS	1	240	200	160	140	180	150	170	180	36				
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.03	< 0.02	< 0.02	< 0.2		< 0.2	< 0.2	< 0.2
Calcium	N/A	mg/l	-	0	150	180	160	130	190	160	180	170			105	117	126
Chromium VI	3.4	ug/l	FEQS	2	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10		< 10	< 10	< 10
Chromium III	4.7	ug/l	FEQS	0	3.3	< 1.0	< 1.0	< 1.0	< 1.0	1.1	< 1.0	< 1.0					
Chromium Total	50	ug/l	UK DWS	0	3.3	0.6	0.8	0.7	0.7	1.1	1	0.9	< 1		< 1	< 1	7
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	4.6	1.4	1.7	1.8	2.9	2.2	4.8	1.6	1		2	1	1
Iron	0.2	mg/l	UK DWS	2	< 0.004	0.029	0.004	< 0.004	< 0.004	< 0.004	< 0.004	0.1			< 0.01	0.019	< 0.01
Lead	10	ug/l	UK DWS	0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 1		< 1	< 1	< 1
Magnesium	N/A	mg/l	-	0	2.2	3.1	2.6	2.2	2.7	2.6	2.2	2.8			1	1	2
Manganese (bioavailable)	50	ug/l	UK DWS	26	18	29	19	21	27	27	15	29			4	1	< 1
Mercury	1	ug/l	UK DWS	2	< 0.05	< 0.05	0.1	< 0.05	< 0.05	0.08	< 0.05	0.09	< 0.1		< 0.1	< 0.1	< 0.1
Molybdenum	70	ug/l	WHO	0	1.2	2	0.9	0.68	0.99	0.97	0.99	0.92					
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	2	3.7	3	3.2	2.7	3.7	3.2	2.8	2.8	< 1		1	< 1	< 1
Potassium	N/A	mg/l	-	0	1.4	2	1.7	1.3	1.7	1.7	1.5	2			2	1	2
Selenium	10	ug/l	UK DWS	0	1.5	3.1	0.8	1.9	2.1	2	< 0.6	< 0.6	< 1		< 1	< 1	< 1
Sodium	50	mg/l	WHO	26	47	41	50	37	56	48	52	58			39	53	55
Vanadium	20	ug/l	FEQS	0	0.6	0.6	0.4	0.2	0.4	0.4	0.3	0.6	< 1		< 1	< 1	< 1
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	7.9	1.3	3.6	2.9	4.4	2.7	8.7	2.6	13		6	2	2
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0					
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0									< 5		< 5	< 5	< 5
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5		< 5	< 5	< 5
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5		< 5	< 5	< 5
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5		< 5	< 5	< 5
TPH >C21-C35 Aliphatics	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5		< 5	< 5	< 5
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10					
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 5	< 5	< 5
C5-C35 Aliphatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10					
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10					
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
TPH >C8-C9 Aromatics	300	ug/l	WHO	0									< 1		< 1	< 1	< 1
TPH >C9-C10 Aromatics	300	ug/l	WHO	0									< 1		< 1	< 1	< 1
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0					
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5
TPH >C35-C44 Aromatics	90	ug/l	WHO	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5

Appendix G

G9 Groundwater Downgradient

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Assessment Senario Water Abstraction

				Summary												
Lab Sample ID					1020265	1055396	1074207	1099111	1106504	1133264	1163629	1180867				
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied							
Depth to Top					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	45.00	None Supplied	None Supplied	39.73	39.34	40.49	38.97	40.23
Depth to Bottom											None Supplied	39.23-52.25					
Date Sampled					09/08/2018	27/09/2018	23/10/2018	22/11/2018	03/12/2018	16/01/2019	25/02/2019	19/03/2019	6/11/16	01/12/16	03/02/17	07/03/17	04/04/17
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied							
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10					
C5-C35 Aromatics	N/A	ug/l	-	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10					
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10		< 10	< 10	< 10
Chloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Bromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0					
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
MTBE	15	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
1,1 -Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
2,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Trichloromethane	2.5	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2		< 2	< 2	< 2
1,1-Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Benzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Tetrachloromethane	3	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
1,2-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Trichloroethene	10	ug/l	UK DWS	2	< 1.0	< 1.0	6.2	60.5	8.7	< 1.0	7	10.1	< 1		< 1	< 1	< 1
Dibromomethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Bromodichloromethane	100	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10		< 10	< 10	< 10
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Toluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0					
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
1,3-Dichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Dibromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3		< 3	< 3	< 3
Tetrachloroethene	10	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Chlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Ethylbenzene	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0					
m,p-Xylenes	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Styrene	20	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Tribromomethane	########	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0					
o-Xylene	30	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Bromobenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Propylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
2-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
4-Chlorotoluene	700	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2		< 2	< 2	< 2
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1

Appendix G

G9 Groundwater Downgradient

1000

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					1020265	1055396	1074207	1099111	1106504	1133264	1163629	1180867					
Client Sample No					ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied							
Depth to Top					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	45.00	None Supplied	None Supplied	39.73	39.34	40.49	38.97	40.23
Depth to Bottom											None Supplied	39.23-52.25					
Date Sampled					09/08/2018	27/09/2018	23/10/2018	22/11/2018	03/12/2018	16/01/2019	25/02/2019	19/03/2019	6/11/16	01/12/16	03/02/17	07/03/17	04/04/17
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied							
	Screening value	**Units**	**Screening standard**	**Number of Exceedances**													
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
n-Butylbenzene	1	ug/l	UK DWS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2		< 2	< 2	< 2
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 1	< 3	< 3	< 3
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
2,6 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1					
4,2 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1					
4,3 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1					
2,4 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1					
2,5 Chloronitrotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1					
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3		< 3	< 3	< 3
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0					
Bromochloromethane	100	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5		< 5	< 5	< 5
Dichloromethane	20	ug/l	FEQS	0	< 100	< 100	< 100	< 100	< 100	< 100	< 3.0	< 3.0	< 5		< 5	< 5	< 5
Carbon disulphide	#######	ug/l	Default	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1		< 1	< 1	< 1
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
2-Chlorophenol	50	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
2-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
Hexachloroethane	40	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
Nitrobenzene	1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
4-Methylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
Isophorone	7000	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
2-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
Bis(2-chloroethoxy)methane	#######	ug/l	Default	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
2-Methylnaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
2-Chloronaphthalene	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
Dimethylphthalate	800	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
Dibenzofuran	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
Diethyl phthalate	200	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
Bromophenyl phenyl ether	#######	ug/l	Default	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
Hexachlorobenzene	1	ug/l	USEPA	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 1	< 1	< 1		< 1
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01					
Carbazole	2	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		< 0.001		< 0.002	
PCB Congener 81	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		< 0.001		< 0.002	
PCB Congener 105	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		< 0.001		< 0.002	
PCB Congener 114	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		< 0.001		< 0.002	
PCB Congener 118	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		< 0.002		< 0.004	

Appendix G

G9 Groundwater Downgradient

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Assessment Senario Water Abstraction

				Summary												
Lab Sample ID					1020265	1055396	1074207	1099111	1106504	1133264	1163629	1180867				
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied							
Depth to Top					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	45.00	None Supplied	None Supplied	39.73	39.34	40.49	38.97	40.23
Depth to Bottom											None Supplied	39.23-52.25					
Date Sampled					09/08/2018	27/09/2018	23/10/2018	22/11/2018	03/12/2018	16/01/2019	25/02/2019	19/03/2019	6/11/16	01/12/16	03/02/17	07/03/17	04/04/17
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied							
PCB Congener 123	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		< 0.001		< 0.002	
PCB Congener 126	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		< 0.001		< 0.002	
PCB Congener 156	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		< 0.001		< 0.002	
PCB Congener 157	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		< 0.001		< 0.002	
PCB Congener 167	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		< 0.001		< 0.002	
PCB Congener 169	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		< 0.001		< 0.002	
PCB Congener 189	25	ug/l	FEQS	0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020		< 0.001		< 0.002	
PCBs	25	ug/l	FEQS	0	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300					
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	1	< 0.05	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05					
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05					
Metaldehyde	0.1	ug/l	UK DWS	20	0.1	0.1	0.1	< 0.1	0.1	0.2	0.1	< 0.2					
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1					
Chlorbufam	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 1.0	< 0.1	< 0.1
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 1.0	< 0.1	< 0.1
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1
Phenmedipham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1
Propham	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1
Dimefuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1
Metoxuron	0.1	ug/l	UK DWS	1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.2			< 0.1	< 0.1	< 0.1
Pencycuron	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10					
Diclofop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1
Ametryn	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1	< 0.1		< 0.1
Atrazine-methoxy	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1
Bromacil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02
Flamprop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02
Flamprop-isopropyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02
Prometon	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1
Simetryn	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10			< 0.1	< 0.1	< 0.1
4-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 1	< 1	< 1	< 1
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Perylene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20			< 100	< 100	< 100
Carbetamide	100	ng/l	UK DWS	0	< 20	< 20	< 20	< 100.00	< 200.00	< 20	< 20	< 200.00			< 100	< 100	< 100
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 2	< 2	< 2	< 2
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 10	< 10	< 10	< 10
Total phthalates	N/A	mg/l	-	0	< 3.5												
Glycols																	
Ethylene Glycol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10					
Diethylene Glycol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10					
1,2-Propanediol	ISSUE	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10					
Rodenticides																	
Triazine Pesticides																	

Appendix G

G9 Groundwater Downgradient

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Assessment Senario Water Abstraction

				Summary												
Lab Sample ID					1020265	1055396	1074207	1099111	1106504	1133264	1163629	1180867				
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied							
Depth to Top					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	45.00	None Supplied	None Supplied	39.73	39.34	40.49	38.97	40.23
Depth to Bottom											None Supplied	39.23-52.25					
Date Sampled					09/08/2018	27/09/2018	23/10/2018	22/11/2018	03/12/2018	16/01/2019	25/02/2019	19/03/2019	6/11/16	01/12/16	03/02/17	07/03/17	04/04/17
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied							
Atrazine	0.1	ug/l	UK DWS	18	0.13	0.14	0.14	< 0.05	0.14	0.15	0.16	0.18			< 0.1	< 0.1	< 0.1
Simazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 0.1	< 0.1	< 0.1
Prometryn	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 0.1	< 0.1	< 0.1
Propazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 0.1	< 0.1	< 0.1
Terbuthylazine	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 0.1	< 0.1	< 0.1
Terbutryn	0.1	ug/l	UK DWS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05			< 0.1	< 0.1	< 0.1
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02					
2,4-D butyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10					
2,4-D ethyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10					
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10					
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10					
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.020	< 0.02			< 0.02	< 0.02	< 0.02
Benazolin	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02
Clopyralid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.20	< 0.20	< 0.02			< 0.02	< 0.02	< 0.02
Ioxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02
2,4-D	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02
Dicamba	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02
Dichlorprop	0.1	ug/l	UK DWS	0	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02
MCPA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02
MCPB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02
Mecoprop	0.1	ug/l	UK DWS	15	0.09	0.09	0.09	0.09	0.09	0.08	0.06	0.07			< 0.02	< 0.02	< 0.02
Picloram	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01					
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01					
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.02
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.02
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Trifluralin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01					
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02

Appendix G

G9 Groundwater Downgradient

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Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					1020265	1055396	1074207	1099111	1106504	1133264	1163629	1180867					
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied							
Depth to Top					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	45.00	None Supplied	None Supplied	39.73	39.34	40.49	38.97	40.23
Depth to Bottom											None Supplied	39.23-52.25					
Date Sampled					09/08/2018	27/09/2018	23/10/2018	22/11/2018	03/12/2018	16/01/2019	25/02/2019	19/03/2019	6/11/16	01/12/16	03/02/17	07/03/17	04/04/17
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied							
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02
Triclorpyr	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01					
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01					
Chlorfenvinphos I	0.1	ug/l	UK DWS	0													
Chlorfenvinphos II	0.1	ug/l	UK DWS	0													
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0													
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01					
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01					
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 100	< 100	< 100
Chlortoluron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 100	< 100	< 100
Diflubenzuron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 100	< 100	< 100
Diuron	100	ng/l	UK DWS	11	170	130	130	11	130	160	150	160			< 100	< 100	< 100
Linuron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 100	< 100	< 100
Methabenzthiazuron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 100	< 100	< 100
Monolinuron	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 100	< 100	< 100
Monuron	100	ng/l	UK DWS	0	26.000	38.000	33.000	< 10	38.000	39.000	43.000	64.000			< 100	< 100	< 100
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 20	< 20	< 10	< 10	< 100.0			< 10	< 10	< 10
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 20	< 20	< 10	< 10	< 10			< 10	< 10	< 10
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 20	< 20	< 10	< 10	< 10			< 10	< 10	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 20	< 20	< 10	< 10	< 10			< 10	< 10	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 11	< 11	< 11
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1			< 0.1	< 0.1	< 0.1
Cypermethrin	100	ng/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 100	< 100	< 100
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1			< 0.1	< 0.1	< 0.1
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01					
Permethrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01					
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			<10	<10	<10
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			<10	<10	<10
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			<10	600	<10
Chlorophenols																	
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.00002	< 0.00002	< 0.00002		< 0.00002
Others																	
Chlordane	0.0001	mg/l	UK DWS	0													
Chlorothalonil	0.0001	mg/l	UK DWS	0													

Appendix G

G9 Groundwater Downgradient

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Assessment Senario Water Abstraction

				Summary													
Lab Sample ID					1020265	1055396	1074207	1099111	1106504	1133264	1163629	1180867					
Client Sample No					ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-CP-BH55	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01	ARP16-LF-BH01
Client Sample ID					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied							
Depth to Top					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	45.00	None Supplied	None Supplied	39.73	39.34	40.49	38.97	40.23
Depth to Bottom											None Supplied	39.23-52.25					
Date Sampled					09/08/2018	27/09/2018	23/10/2018	22/11/2018	03/12/2018	16/01/2019	25/02/2019	19/03/2019	6/11/16	01/12/16	03/02/17	07/03/17	04/04/17
Sample Type					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied							
Chlorpyrifos	0.0001	mg/l	UK DWS	0													
Pendimethalin	0.0001	mg/l	UK DWS	0													
Bromoform	0.1	mg/l	WHO	0									< 0.001		< 0.001	< 0.001	< 0.001
Methane	N/A	ug/l	-	0							0.2	< 0.1			4	< 1	< 2

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID										949607	962834	983105	999559	1022120	1055393	1075117	1102000
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH01	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					41.32	46.01	40.62	39.60	39.61	None Supplied	None Supplied	None Supplied	34.00-57.55	None Supplied	None Supplied	None Supplied	34.70-52.45
Depth to Bottom										45.00	None Supplied						
Date Sampled					17/05/17	09/02/17	15/03/17	06/04/17	16/05/17	25/04/2018	17/05/2018	14/06/2018	11/07/2018	13/08/2018	27/09/2018	24/10/2018	26/11/2018
Sample Type												None Supplied	1505	None Supplied	None Supplied	None Supplied	0830
Inorganics																	
Organics																	
General inorganics																	
pH	N/A	pH units	-							6.9	6.7	6.7	6.7	7	6.7	6.7	6.7
Total Cyanide	50	ug/l	UK DWS	0	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Complex Cyanides	50	ug/l	UK DWS	0	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Free Cyanide	50	ug/l	UK DWS	0	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thiocyanate as SCN	50	ug/l	UK DWS	0	< 100	< 100	< 100	< 100	< 100	< 200	310	290	< 200	< 200	< 200	< 200	< 200
Sulphate as SO4	250000	ug/l	UK DWS	0	27000	94000	25000	24000	22000	40000	31800	20400	16900	22800	28900	58100	27900
Sulphide	250000	ug/l	UK DWS	0	< 100	< 100	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloride	250	mg/l	UK DWS	0	109	19.89	18.24	18.13	17	19	19	16	16	15	18	22	20
Fluoride	1500	ug/l	UK DWS	0	290	< 100	100	100	250	84	69	100	72	69	< 50	100	130
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	22	< 20	< 20	40	60	150	150	51	< 15	47	91	36	47	43
Nitrate as N	11.3	mg/l	UK DWS	1						10.6	11.9	14.5	15.6	16.1	13.3	0.12	0.33
Nitrate as NO3	50	mg/l	UK DWS	2	16.18	37.64	64.4	54.6	48.02	46.8	52.9	64.2	69.1	71.1	58.8	0.53	1.44
Nitrite as N	160	ug/l	UK DWS	4						6.4	44	6.4	3.1	18	20	27	< 1.0
Nitrite as NO2	500	ug/l	UK DWS	4	< 100	< 100	< 100	< 100	< 100	21	140	21	10	58	66	87	< 5.0
Alkalinity	N/A	mg/l	-	0	236	393	409	401	393	630	660	800	750	650	460	730	330
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	12	9	< 6	< 6	148	< 2.0	28	< 2.0	2.2	13	8.4	10	4.7
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	2	<1	2	4	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.7	1.7
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	2	3.7	8.5	14.5	12.3	10.8	11	12	15	16	16	13	< 0.3	0.3
Total Suspended Solids	N/A	mg/l	-	0	1674	1734	296	95	7533	250	160	230	180	190	130	110	190
Hardness - Total	N/A	mg/l	-	0	330	550	559	635	609	500	444	548	436	610	633	596	496
Bromide	N/A	mg/l	-	0						0.29	0.28	0.36	0.29	0.29	0.38	0.47	1.5
Bromate	0.01	mg/l	UK DWS	0						< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Phenols																	
Catechol	7.7	ug/l	FEQS	0						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Resorcinol	7.7	ug/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Cresols	100	ug/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Naphthols	7.7	ug/l	FEQS	0						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Isopropylphenol	7.7	ug/l	FEQS	0						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Phenol	7.7	ug/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trimethylphenol	100	ug/l	FEQS	0						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Speciated PAHs																	
Naphthalene	2	ug/l	FEQS	0	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	2000	ug/l	USEPA	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	0.1	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	0.0063	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Heavy metals and metalloids																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID										949607	962834	983105	999559	1022120	1055393	1075117	1102000
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH01	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					41.32	46.01	40.62	39.60	39.61	None Supplied	None Supplied	None Supplied	34.00-57.55	None Supplied	None Supplied	None Supplied	34.70-52.45
Depth to Bottom										45.00	None Supplied						
Date Sampled					17/05/17	09/02/17	15/03/17	06/04/17	16/05/17	25/04/2018	17/05/2018	14/06/2018	11/07/2018	13/08/2018	27/09/2018	24/10/2018	26/11/2018
Sample Type												None Supplied	1505	None Supplied	None Supplied	None Supplied	0830
Antimony	5	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 0.4	< 0.4	< 0.4	< 0.4	0.4	< 0.4	< 0.4	0.5
Arsenic	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	0.45	0.27	0.45	2.08	0.33	0.82	0.26	0.17
Barium	700	ug/l	WHO	0						190	190	150	120	170	140	170	170
Beryllium	4	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron	1000	ug/l	UK DWS	1						11	< 10	69	69	< 10	30	26	20
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.02	< 0.02	0.1	< 0.02	< 0.02	0.02	< 0.02	0.03
Calcium	N/A	mg/l	-	0	129	210.0	216.0	246.0	235.0	190	170	210	170	240	240	230	190
Chromium VI	3.4	ug/l	FEQS	2	< 10	< 10	< 10	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium III	4.7	ug/l	FEQS	0						2	1.1	1.6	2.4	1	3.5	< 1.0	1.4
Chromium Total	50	ug/l	UK DWS	0	10	9.0	< 1	< 1	6.0	2	1.1	1.6	2.4	1	3.5	0.9	1.4
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	9	< 1	< 1	< 1	26.0	< 0.5		4.5	3.4	5.1	1.9	1.3	1
Iron	0.2	mg/l	UK DWS	2	0.013	< 0.01	0.016	< 0.01	< 0.01	0.085	0.007	0.085	0.045	0.009	0.13	< 0.004	0.012
Lead	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	0.3	< 0.2	1	< 0.2	< 0.2	0.3	< 0.2	< 0.2
Magnesium	N/A	mg/l	-	0	2	6.0	5.0	5.0	6.0	7.1	6.6	5	4.3	5.2	6.7	7	5.9
Manganese (bioavailable)	50	ug/l	UK DWS	26	2	87.0	27.0	29.0	19.0	7.7	5.1	14	6.5	6	14	4.6	4.4
Mercury	1	ug/l	UK DWS	2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Molybdenum	70	ug/l	WHO	0						0.21	0.42	0.4	0.18	0.21	0.88	1.4	0.22
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	2	1	3.0	4.0	3.0	2.0	1.2	1.5	1.8	1.5	2.8	1.3	0.6	1.3
Potassium	N/A	mg/l	-	0	3	4.0	<1	1.0	3.0	9	7.1	1	1.4	2.3	3.2	7.3	4.1
Selenium	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	1.5	1.8	0.9	1	1.3	2.5	0.9	1.3
Sodium	50	mg/l	WHO	26	59	17.0	14.0	16.0	19.0	22	21	19	14	16	20	23	17
Vanadium	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	0.4	0.3	0.6	0.4	0.4	0.6	0.3	0.3
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	7	7.0	11.0	4.0	9.0	3.6	1	5.9	5.9	5.5	2.6	1.6	1.8
Monoaromatics																	
Benzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes	30	ug/l	FEQS	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum hydrocarbons																	
TPH	N/A	ug/l	-	0	< 5	< 5	< 5	< 5	< 5								
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C21-C35 Aliphatics	300	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
C5-C35 Aliphatics	N/A	ug/l	-	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C9 Aromatics	300	ug/l	WHO	0	< 1												
TPH >C9-C10 Aromatics	300	ug/l	WHO	0	< 1												
TPH >C8-C10 Aromatics	300	ug/l	WHO	0		< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH >C35-C44 Aromatics	90	ug/l	WHO	0	< 5		< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID										949607	962834	983105	999559	1022120	1055393	1075117	1102000
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH01	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					41.32	46.01	40.62	39.60	39.61	None Supplied	None Supplied	None Supplied	34.00-57.55	None Supplied	None Supplied	None Supplied	34.70-52.45
Depth to Bottom										45.00	None Supplied						
Date Sampled					17/05/17	09/02/17	15/03/17	06/04/17	16/05/17	25/04/2018	17/05/2018	14/06/2018	11/07/2018	13/08/2018	27/09/2018	24/10/2018	26/11/2018
Sample Type												None Supplied	1505	None Supplied	None Supplied	None Supplied	0830
C5-C35 Aromatics	N/A	ug/l	-	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
C5-C35 Aromatics	N/A	ug/l	-	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
VOCs																	
Chloromethane	20	ug/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE	15	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1 -Dichloroethane	3	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	2.5	ug/l	FEQS	0	1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 2	< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	3	ug/l	UK DWS	0	2	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	10	ug/l	UK DWS	2	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	100	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	100	ug/l	UK DWS	0	< 10	< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	74	ug/l	FEQS	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	100	ug/l	WHO	0	< 3	< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	10	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	0.4	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylenes	30	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	20	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	########	ug/l	Default	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	30	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Propylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	700	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	1	ug/l	UK DWS	0	< 2	< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID										949607	962834	983105	999559	1022120	1055393	1075117	1102000
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH01	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					41.32	46.01	40.62	39.60	39.61	None Supplied	None Supplied	None Supplied	34.00-57.55	None Supplied	None Supplied	None Supplied	34.70-52.45
Depth to Bottom										45.00	None Supplied						
Date Sampled					17/05/17	09/02/17	15/03/17	06/04/17	16/05/17	25/04/2018	17/05/2018	14/06/2018	11/07/2018	13/08/2018	27/09/2018	24/10/2018	26/11/2018
Sample Type												None Supplied	1505	None Supplied	None Supplied	None Supplied	0830
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Butylbenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 2	< 2	< 2	< 2	< 2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 3	< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,6 Chloronitrotoluene	700	ug/l	WHO	0						< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4,2 Chloronitrotoluene	700	ug/l	WHO	0						< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4,3 Chloronitrotoluene	700	ug/l	WHO	0						< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4 Chloronitrotoluene	700	ug/l	WHO	0						< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,5 Chloronitrotoluene	700	ug/l	WHO	0						< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 3	< 3	< 3	< 3	< 3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	100	ug/l	WHO	0	< 5	< 5	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane	20	ug/l	FEQS	0	< 5	< 5	< 5	< 5	< 5	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Carbon disulphide	#######	ug/l	Default	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SVOCs																	
Phenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	50	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachloroethane	40	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Isophorone	7000	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	#######	ug/l	Default	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chloronaphthalene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dimethylphthalate	800	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenzofuran	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Diethyl phthalate	200	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	#######	ug/l	Default	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	1	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	2	ug/l	FEQS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Carbazole	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
PCBs by GC-ECD - WHO 12																	
PCB Congener 77	25	ug/l	FEQS	0						< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 81	25	ug/l	FEQS	0						< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 105	25	ug/l	FEQS	0						< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 114	25	ug/l	FEQS	0						< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 118	25	ug/l	FEQS	0						< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID										949607	962834	983105	999559	1022120	1055393	1075117	1102000
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH01	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					41.32	46.01	40.62	39.60	39.61	None Supplied	None Supplied	None Supplied	34.00-57.55	None Supplied	None Supplied	None Supplied	34.70-52.45
Depth to Bottom										45.00	None Supplied						
Date Sampled					17/05/17	09/02/17	15/03/17	06/04/17	16/05/17	25/04/2018	17/05/2018	14/06/2018	11/07/2018	13/08/2018	27/09/2018	24/10/2018	26/11/2018
Sample Type												None Supplied	1505	None Supplied	None Supplied	None Supplied	0830
PCB Congener 123	25	ug/l	FEQS	0						< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 126	25	ug/l	FEQS	0						< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 156	25	ug/l	FEQS	0						< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 157	25	ug/l	FEQS	0						< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 167	25	ug/l	FEQS	0						< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 169	25	ug/l	FEQS	0						< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCB Congener 189	25	ug/l	FEQS	0						< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
PCBs	25	ug/l	FEQS	0						< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Environmental Forensics																	
PFOS	0.3	ug/l	DWS	1						< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.12
PFOS	0.3	ug/l	DWS	0													
PFOA	0.3	ug/l	DWS	0						< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.1
Metaldehyde	0.1	ug/l	UK DWS	20						< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0						< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chlorbufam	0.1	ug/l	UK DWS	0	< 0.1	< 1.0	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.05	< 0.1	< 0.1	< 0.1	< 0.05	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.1	< 1.0	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Phenmedipham	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.5	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Propham	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Dimefuron	0.1	ug/l	UK DWS	0	< 0.05	< 0.1	< 0.1	< 0.1	< 0.05	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Metoxuron	0.1	ug/l	UK DWS	1	< 0.05	< 0.1	< 0.1	< 0.1	< 0.05	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Pencycuron	0.1	ug/l	UK DWS	0	< 0.05	< 0.1	< 0.1	< 0.1	< 0.05	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Diclofop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Ametryn	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Atrazine-methoxy	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Bromacil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.05		< 0.02	< 0.02	< 0.02	< 0.02
Flamprop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Flamprop-isopropyl	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Prometon	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Simetryn	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
4-Nitrophenol	7.7	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Perylene	2	ug/l	FEQS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbamates																	
Pirimicarb	100	ng/l	UK DWS	0	< 100	< 100	< 100	< 100	< 100	< 20	< 20	< 20		< 20	< 20	< 20	< 20
Carbetamide	100	ng/l	UK DWS	0	< 100	< 100	< 100	< 100	< 100	< 20	< 20	< 20		< 20	< 20	< 20	< 100.00
Phthalates																	
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	0	< 10	< 2	< 2	< 2	< 10	3.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 10	< 10	< 10	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total phthalates	N/A	mg/l	-	0													
Glycols																	
Ethylene Glycol	ISSUE	mg/l	Default	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Diethylene Glycol	ISSUE	mg/l	Default	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Propanediol	ISSUE	mg/l	Default	0						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Rodenticides																	
Triazine Pesticides																	

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID										949607	962834	983105	999559	1022120	1055393	1075117	1102000
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH01	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					41.32	46.01	40.62	39.60	39.61	None Supplied	None Supplied	None Supplied	34.00-57.55	None Supplied	None Supplied	None Supplied	34.70-52.45
Depth to Bottom										45.00	None Supplied						
Date Sampled					17/05/17	09/02/17	15/03/17	06/04/17	16/05/17	25/04/2018	17/05/2018	14/06/2018	11/07/2018	13/08/2018	27/09/2018	24/10/2018	26/11/2018
Sample Type												None Supplied	1505	None Supplied	None Supplied	None Supplied	0830
Atrazine	0.1	ug/l	UK DWS	18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05
Simazine	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05
Prometryn	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05
Propazine	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05
Terbuthylazine	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05
Terbutryn	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05
Acid herbicides esters																	
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0						< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
2,4-D butyl ester	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
2,4-D ethyl ester	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0						< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Acid Herbicides																	
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Benazolin	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Clopyralid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Ioxynil	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
2,4-D	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Dicamba	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Dichlorprop	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
MCPA	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
MCPB	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Mecoprop	0.1	ug/l	UK DWS	15	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Picloram	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Organochlorine Pesticides																	
Aldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Endrin	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Isodrin	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Trifluralin	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Organonitrogen pesticides																	
Bentazone	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary													
Lab Sample ID										949607	962834	983105	999559	1022120	1055393	1075117	1102000
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH01	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					41.32	46.01	40.62	39.60	39.61	None Supplied	None Supplied	None Supplied	34.00-57.55	None Supplied	None Supplied	None Supplied	34.70-52.45
Depth to Bottom										45.00	None Supplied						
Date Sampled					17/05/17	09/02/17	15/03/17	06/04/17	16/05/17	25/04/2018	17/05/2018	14/06/2018	11/07/2018	13/08/2018	27/09/2018	24/10/2018	26/11/2018
Sample Type												None Supplied	1505	None Supplied	None Supplied	None Supplied	0830
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Triclorpyr	0.1	ug/l	UK DWS	1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Organophosphorous pesticides																	
Azinphos-ethyl	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Chlorfenvinphos I	0.1	ug/l	UK DWS	0													
Chlorfenvinphos II	0.1	ug/l	UK DWS	0													
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0													
Diazinon	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fenthion	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Malathion	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenylurea herbicides																	
Isoproturon	100	ng/l	UK DWS	0	< 50	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10
Chlortoluron	100	ng/l	UK DWS	0	< 50	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10
Diflubenzuron	100	ng/l	UK DWS	0	< 50	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10
Diuron	100	ng/l	UK DWS	11	100	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10
Linuron	100	ng/l	UK DWS	0	< 50	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10
Methabenzthiazuron	100	ng/l	UK DWS	0	< 50	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10
Monolinuron	100	ng/l	UK DWS	0	< 50	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10
Monuron	100	ng/l	UK DWS	0	< 50	< 100	< 100	< 100	< 50	< 10	< 10	< 10		< 10	< 10	< 10	< 10
VFAs																	
Acetic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	I/S	< 10	< 50
Propanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
Butyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
Isobutyric acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
Pentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 11	< 11	< 11	< 11	< 11	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pyrethroids																	
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cypermethrin	100	ng/l	UK DWS	0	< 100	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Permethrin	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Permethrin	0.1	ug/l	UK DWS	0						< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Organotins																	
Tributyltin compounds	0.2	ng/l	FEQS	0	<10	<10	<10	<10	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	<10	<10	<10	<10	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	2	<10	<10	<10	<10	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chlorophenols																	
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Others																	
Chlordane	0.0001	mg/l	UK DWS	0													
Chlorothalonil	0.0001	mg/l	UK DWS	0													

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary												
Lab Sample ID										949607	962834	983105	999559	1022120	1055393	1075117	1102000
Client Sample No	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	ARP16-LF-BH01	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05	ARP16-LF-BH05
Client Sample ID										None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth to Top					41.32	46.01	40.62	39.60	39.61	None Supplied	None Supplied	None Supplied	34.00-57.55	None Supplied	None Supplied	None Supplied	34.70-52.45
Depth to Bottom										45.00	None Supplied						
Date Sampled					17/05/17	09/02/17	15/03/17	06/04/17	16/05/17	25/04/2018	17/05/2018	14/06/2018	11/07/2018	13/08/2018	27/09/2018	24/10/2018	26/11/2018
Sample Type												None Supplied	1505	None Supplied	None Supplied	None Supplied	0830
Chlorpyrifos	0.0001	mg/l	UK DWS	0													
Pendimethalin	0.0001	mg/l	UK DWS	0													
Bromoform	0.1	mg/l	WHO	0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001								
Methane	N/A	ug/l	-	0	1	8	4	7	1								

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary	
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1111109
Client Sample No					ARP16-LF-BH05
Client Sample ID					None Supplied
Depth to Top					None Supplied
Depth to Bottom					
Date Sampled					06/12/2018
Sample Type					None Supplied
Inorganics					
Organics					
General inorganics					
pH	N/A	pH units	-		6.7
Total Cyanide	50	ug/l	UK DWS	0	< 10
Complex Cyanides	50	ug/l	UK DWS	0	< 10
Free Cyanide	50	ug/l	UK DWS	0	< 10
Thiocyanate as SCN	50	ug/l	UK DWS	0	< 200
Sulphate as SO4	250000	ug/l	UK DWS	0	39100
Sulphide	250000	ug/l	UK DWS	0	< 5.0
Chloride	250	mg/l	UK DWS	0	21
Fluoride	1500	ug/l	UK DWS	0	55
Ammoniacal Nitrogen as N	390	ug/l	UK DWS	22	39
Nitrate as N	11.3	mg/l	UK DWS	1	14
Nitrate as NO3	50	mg/l	UK DWS	2	62.2
Nitrite as N	160	ug/l	UK DWS	4	4.6
Nitrite as NO2	500	ug/l	UK DWS	4	15
Alkalinity	N/A	mg/l	-	0	720
Chemical Oxygen Demand (COD)	N/A	mg/l	-	0	< 2.0
Biological Oxygen Demand (BOD)	N/A	mg/l	-	0	< 1.0
Total Oxidised N (Nitrate/-ite)	11.3	mg/l	UK DWS	2	14
Total Suspended Solids	N/A	mg/l	-	0	< 2.0
Hardness - Total	N/A	mg/l	-	0	646
Bromide	N/A	mg/l	-	0	0.3
Bromate	0.01	mg/l	UK DWS	0	< 0.002
Phenols					
Catechol	7.7	ug/l	FEQS	0	< 0.5
Resorcinol	7.7	ug/l	FEQS	0	< 0.5
Ethylphenol & Dimethylphenol	100	ug/l	FEQS	0	< 0.5
Cresols	100	ug/l	FEQS	0	< 0.5
Naphthols	7.7	ug/l	FEQS	0	< 0.5
Isopropylphenol	7.7	ug/l	FEQS	0	< 0.5
Phenol	7.7	ug/l	FEQS	0	< 0.5
Trimethylphenol	100	ug/l	FEQS	0	< 0.5
Speciated PAHs					
Naphthalene	2	ug/l	FEQS	0	< 0.01
Acenaphthylene	2	ug/l	FEQS	0	< 0.01
Acenaphthene	2000	ug/l	USEPA	0	< 0.01
Fluorene	2	ug/l	FEQS	0	< 0.01
Phenanthrene	2	ug/l	FEQS	0	< 0.01
Anthracene	0.1	ug/l	FEQS	0	< 0.01
Fluoranthene	0.0063	ug/l	FEQS	0	< 0.01
Pyrene	2	ug/l	FEQS	0	< 0.01
Benzo(a)anthracene	2	ug/l	FEQS	0	< 0.01
Chrysene	2	ug/l	FEQS	0	< 0.01
Benzo(b)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01
Benzo(k)fluoranthene	0.1	ug/l	UK DWS	0	< 0.01
Benzo(a)pyrene	0.01	ug/l	UK DWS	0	< 0.01
Indeno(1,2,3-cd)pyrene	0.1	ug/l	UK DWS	0	< 0.001
Dibenzo(a,h)anthracene	2	ug/l	FEQS	0	< 0.01
Benzo(g,h,i)perylene	0.1	ug/l	UK DWS	0	< 0.001
Heavy metals and metalloids					

Appendix G

G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary	
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1111109
Client Sample No					ARP16-LF-BH05
Client Sample ID					None Supplied
Depth to Top					None Supplied
Depth to Bottom					
Date Sampled					06/12/2018
Sample Type					None Supplied
Antimony	5	ug/l	UK DWS	0	0.5
Arsenic	10	ug/l	UK DWS	0	0.27
Barium	700	ug/l	WHO	0	150
Beryllium	4	ug/l	USEPA	0	< 0.1
Boron	1000	ug/l	UK DWS	1	17
Cadmium >200mg/l CaCO3	5	ug/l	UK DWS	0	< 0.02
Calcium	N/A	mg/l	-	0	250
Chromium VI	3.4	ug/l	FEQS	2	< 5.0
Chromium III	4.7	ug/l	FEQS	0	1.1
Chromium Total	50	ug/l	UK DWS	0	1.1
Copper (bioavailable), DOC <1mg/l	2000	ug/l	UK DWS	0	1.4
Iron	0.2	mg/l	UK DWS	2	0.18
Lead	10	ug/l	UK DWS	0	< 0.2
Magnesium	N/A	mg/l	-	0	6.6
Manganese (bioavailable)	50	ug/l	UK DWS	26	5.3
Mercury	1	ug/l	UK DWS	2	< 0.05
Molybdenum	70	ug/l	WHO	0	0.2
Nickel >200 mg/l CaCO3	20	ug/l	UK DWS	2	2
Potassium	N/A	mg/l	-	0	6.3
Selenium	10	ug/l	UK DWS	0	2.7
Sodium	50	mg/l	WHO	26	19
Vanadium	20	ug/l	FEQS	0	0.4
Zinc >250 mg/l CaCO3	5000	ug/l	USEPA	0	7.2
Monoaromatics					
Benzene	1	ug/l	UK DWS	0	< 1.0
Toluene	74	ug/l	FEQS	0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0	< 1.0
Xylenes	30	ug/l	FEQS	0	< 1.0
MTBE	15	ug/l	WHO	0	< 1.0
Petroleum hydrocarbons					
TPH	N/A	ug/l	-	0	
TPH >C5-C6 Aliphatics	15000	ug/l	WHO	0	< 1.0
TPH >C6-C8 Aliphatics	15000	ug/l	WHO	0	< 1.0
TPH >C8-C10 Aliphatics	300	ug/l	WHO	0	< 1.0
TPH >C10-C12 Aliphatics	300	ug/l	WHO	0	< 10
TPH >C12-C16 Aliphatics	300	ug/l	WHO	0	< 10
TPH >C16-C21 Aliphatics	300	ug/l	WHO	0	< 10
TPH >C21-C35 Aliphatics	300	ug/l	WHO	0	< 10
TPH-CWG - Aliphatic >C16 - C35	300	ug/l	WHO	0	< 10
TPH-CWG - Aliphatic >C35 - C44	300	ug/l	WHO	0	< 10
C5-C35 Aliphatics	N/A	ug/l	-	0	< 10
TPH-CWG - Aliphatic (C5 - C44)	N/A	ug/l	-	0	< 10
TPH >C5-C6 Aromatics	10	ug/l	WHO	0	< 1.0
TPH >C7-C8 Aromatics	700	ug/l	WHO	0	< 1.0
TPH >C8-C9 Aromatics	300	ug/l	WHO	0	
TPH >C9-C10 Aromatics	300	ug/l	WHO	0	
TPH >C8-C10 Aromatics	300	ug/l	WHO	0	< 1.0
TPH >C10-C12 Aromatics	90	ug/l	WHO	0	< 10
TPH >C12-C16 Aromatics	90	ug/l	WHO	0	< 10
TPH >C16-C21 Aromatics	90	ug/l	WHO	0	< 10
TPH >C21-C35 Aromatics	90	ug/l	WHO	0	< 10
TPH >C35-C44 Aromatics	90	ug/l	WHO	0	< 10

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G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary	
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1111109
Client Sample No					ARP16-LF-BH05
Client Sample ID					None Supplied
Depth to Top					None Supplied
Depth to Bottom					
Date Sampled					06/12/2018
Sample Type					None Supplied
C5-C35 Aromatics	N/A	ug/l	-	0	< 10
C5-C35 Aromatics	N/A	ug/l	-	0	< 10
VOCs					
Chloromethane	20	ug/l	FEQS	0	< 1.0
Chloroethane	3	ug/l	UK DWS	0	< 1.0
Bromomethane	100	ug/l	UK DWS	0	< 1.0
Vinyl Chloride	0.5	ug/l	UK DWS	0	< 1.0
Trichlorofluoromethane	2.5	ug/l	FEQS	0	< 1.0
1,1-Dichloroethene	7	ug/l	USEPA	0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	400	ug/l	FEQS	0	< 1.0
Cis-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0
MTBE	15	ug/l	WHO	0	< 1.0
1,1 -Dichloroethane	3	ug/l	UK DWS	0	< 1.0
2,2-Dichloropropane	40	ug/l	WHO	0	< 1.0
Trichloromethane	2.5	ug/l	FEQS	0	< 1.0
1,1,1-Trichloroethane	100	ug/l	FEQS	0	< 1.0
1,2-Dichloroethane	3	ug/l	UK DWS	0	< 1.0
1,1-Dichloropropene	20	ug/l	WHO	0	< 1.0
Trans-1,2 Dichloroethene	50	ug/l	WHO	0	< 1.0
Benzene	1	ug/l	UK DWS	0	< 1.0
Tetrachloromethane	3	ug/l	UK DWS	0	< 1.0
1,2-Dichloropropane	40	ug/l	WHO	0	< 1.0
Trichloroethene	10	ug/l	UK DWS	2	< 1.0
Dibromomethane	100	ug/l	UK DWS	0	< 1.0
Bromodichloromethane	100	ug/l	UK DWS	0	< 1.0
Cis-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0
Trans-1,3 Dichloropropene	20	ug/l	WHO	0	< 1.0
Toluene	74	ug/l	FEQS	0	< 1.0
1,1,2-Trichloroethane	400	ug/l	FEQS	0	< 1.0
1,3-Dichloropropane	40	ug/l	WHO	0	< 1.0
Dibromochloromethane	100	ug/l	WHO	0	< 1.0
Tetrachloroethene	10	ug/l	UK DWS	0	< 1.0
1,2-Dibromoethane	0.4	ug/l	WHO	0	< 1.0
Chlorobenzene	0.4	ug/l	FEQS	0	< 1.0
1,1,1,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0
Ethylbenzene	20	ug/l	FEQS	0	< 1.0
m,p-Xylenes	30	ug/l	FEQS	0	< 1.0
Styrene	20	ug/l	WHO	0	< 1.0
Tribromomethane	#######	ug/l	Default	0	< 1.0
o-Xylene	30	ug/l	FEQS	0	< 1.0
1,1,2,2-Tetrachloroethane	400	ug/l	USEPA	0	< 1.0
Iso-propylbenzene	1	ug/l	UK DWS	0	< 1.0
Bromobenzene	1	ug/l	UK DWS	0	< 1.0
Propylbenzene	1	ug/l	UK DWS	0	< 1.0
2-Chlorotoluene	700	ug/l	WHO	0	< 1.0
4-Chlorotoluene	700	ug/l	WHO	0	< 1.0
1,3,5 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0
tert-Butylbenzene	1	ug/l	UK DWS	0	< 1.0
1,2,4 Trimethylbenzene	1	ug/l	UK DWS	0	< 1.0
sec-Butylbenzene	1	ug/l	UK DWS	0	< 1.0
1,3 Dichlorobenzene	3000	ug/l	USEPA	0	< 1.0
p-Isopropyltoluene	74	ug/l	FEQS	0	< 1.0
1,2-Dichlorobenzene	1000	ug/l	WHO	0	< 1.0

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G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary	
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1111109
Client Sample No					ARP16-LF-BH05
Client Sample ID					None Supplied
Depth to Top					None Supplied
Depth to Bottom					
Date Sampled					06/12/2018
Sample Type					None Supplied
1,4 Dichlorobenzene	300	ug/l	WHO	0	< 1.0
n-Butylbenzene	1	ug/l	UK DWS	0	< 1.0
1,2-Dibromo-3-chloropropane	1	ug/l	WHO	0	< 1.0
1,2,4-Trichlorobenzene	70	ug/l	USEPA	0	< 1.0
Hexachlorobutadiene	0.6	ug/l	WHO	0	< 1.0
2,6 Chloronitrotoluene	700	ug/l	WHO	0	< 1
4,2 Chloronitrotoluene	700	ug/l	WHO	0	< 1
4,3 Chloronitrotoluene	700	ug/l	WHO	0	< 1
2,4 Chloronitrotoluene	700	ug/l	WHO	0	< 1
2,5 Chloronitrotoluene	700	ug/l	WHO	0	< 1
1,2,3-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0
1,2,3-Trichloropropane	40	ug/l	WHO	0	< 1.0
1,3,5-Trichlorobenzene	0.4	ug/l	FEQS	0	< 1.0
Bromochloromethane	100	ug/l	WHO	0	< 1.0
Dichloromethane	20	ug/l	FEQS	0	< 100
Carbon disulphide	#######	ug/l	Default	0	< 1.0
Dichlorodifluoromethane	20	ug/l	FEQS	0	< 1.0
SVOCs					
Phenol	7.7	ug/l	FEQS	0	< 0.05
2-Chlorophenol	50	ug/l	FEQS	0	< 0.05
Bis(2-chloroethyl)ether	1000	ug/l	USEPA	0	< 0.05
Bis(2-chloroisopropyl)ether	1000	ug/l	USEPA	0	< 0.05
2-Methylphenol	100	ug/l	FEQS	0	< 0.05
Hexachloroethane	40	ug/l	USEPA	0	< 0.05
Nitrobenzene	1	ug/l	UK DWS	0	< 0.05
4-Methylphenol	100	ug/l	FEQS	0	< 0.05
Isophorone	7000	ug/l	USEPA	0	< 0.05
2-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05
2,4-Dimethylphenol	100	ug/l	FEQS	0	< 0.05
Bis(2-chloroethoxy)methane	#######	ug/l	Default	0	< 0.05
2,4-Dichlorophenol	4.2	ug/l	FEQS	0	< 0.05
4-Chloro-3-methylphenol	40	ug/l	FEQS	0	< 0.05
2,4,6-trichlorophenol	200	ug/l	WHO	0	< 0.05
2,4,5-Trichlorophenol	200	ug/l	WHO	0	< 0.05
2-Methylnaphthalene	2	ug/l	FEQS	0	< 0.05
2-Chloronaphthalene	2	ug/l	FEQS	0	< 0.05
Dimethylphthalate	800	ug/l	FEQS	0	< 0.05
2,6-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05
2,4-Dinitrotoluene	100	ug/l	USEPA	0	< 0.05
Dibenzofuran	2	ug/l	FEQS	0	< 0.05
Diethyl phthalate	200	ug/l	FEQS	0	< 0.05
Bromophenyl phenyl ether	#######	ug/l	Default	0	< 0.05
Hexachlorobenzene	1	ug/l	USEPA	0	< 0.05
Phenanthrene	2	ug/l	FEQS	0	< 0.01
Carbazole	2	ug/l	FEQS	0	< 0.05
Di-n-butyl phthalate	8	ug/l	FEQS	0	< 0.05
Butyl benzyl phthalate	7.5	ug/l	FEQS	0	< 0.05
PCBs by GC-ECD - WHO 12					
PCB Congener 77	25	ug/l	FEQS	0	< 0.020
PCB Congener 81	25	ug/l	FEQS	0	< 0.020
PCB Congener 105	25	ug/l	FEQS	0	< 0.020
PCB Congener 114	25	ug/l	FEQS	0	< 0.020
PCB Congener 118	25	ug/l	FEQS	0	< 0.020

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G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary	
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1111109
Client Sample No					ARP16-LF-BH05
Client Sample ID					None Supplied
Depth to Top					None Supplied
Depth to Bottom					
Date Sampled					06/12/2018
Sample Type					None Supplied
PCB Congener 123	25	ug/l	FEQS	0	< 0.020
PCB Congener 126	25	ug/l	FEQS	0	< 0.020
PCB Congener 156	25	ug/l	FEQS	0	< 0.020
PCB Congener 157	25	ug/l	FEQS	0	< 0.020
PCB Congener 167	25	ug/l	FEQS	0	< 0.020
PCB Congener 169	25	ug/l	FEQS	0	< 0.020
PCB Congener 189	25	ug/l	FEQS	0	< 0.020
PCBs	25	ug/l	FEQS	0	< 0.300
Environmental Forensics					
PFOS	0.3	ug/l	DWS	1	< 0.05
PFOS	0.3	ug/l	DWS	0	
PFOA	0.3	ug/l	DWS	0	< 0.05
Metaldehyde	0.1	ug/l	UK DWS	20	< 0.1
Chloronitrotoluenes (sum)	10	ug/l	FEQS	0	< 0.1
Chlorbufam	0.1	ug/l	UK DWS	0	< 0.10
Chloroxuron	0.1	ug/l	UK DWS	0	< 0.10
Chlorpropham	0.1	ug/l	UK DWS	0	< 0.10
Ethiofencarb	0.1	ug/l	UK DWS	0	< 0.10
Phenmedipham	0.1	ug/l	UK DWS	0	< 0.10
Propham	0.1	ug/l	UK DWS	0	< 0.10
Dimefuron	0.1	ug/l	UK DWS	0	< 0.10
Metoxuron	0.1	ug/l	UK DWS	1	< 0.10
Pencycuron	0.1	ug/l	UK DWS	0	< 0.10
o,p-Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01
Demeton-s-methyl	0.1	ug/l	UK DWS	0	< 0.10
Diclofop	0.1	ug/l	UK DWS	0	< 0.02
Fenvalerate	0.1	ug/l	UK DWS	0	< 0.10
Cyhalothrin	0.1	ug/l	UK DWS	0	< 0.10
Ametryn	0.1	ug/l	UK DWS	0	< 0.10
Atrazine-methoxy	0.1	ug/l	UK DWS	0	< 0.10
Bromacil	0.1	ug/l	UK DWS	0	< 0.02
Flamprop	0.1	ug/l	UK DWS	0	< 0.02
Flamprop-isopropyl	0.1	ug/l	UK DWS	0	< 0.02
Prometon	0.1	ug/l	UK DWS	0	< 0.10
Simetryn	0.1	ug/l	UK DWS	0	< 0.10
4-Nitrophenol	7.7	ug/l	FEQS	0	< 0.05
Hexachlorocyclopentadiene	50	ug/l	USEPA	0	< 1
Perylene	2	ug/l	FEQS	0	< 1
n-Nitroso-n-dipropylamine	0.1	ug/l	UK DWS	0	< 1
Carbamates					
Pirimicarb	100	ng/l	UK DWS	0	< 20
Carbetamide	100	ng/l	UK DWS	0	< 20
Phthalates					
Bis(2-ethylhexyl)phthalate	8	ug/l	WHO	0	< 1.0
Di-n-octyl phthalate	20	ug/l	FEQS	0	< 1.0
Total phthalates	N/A	mg/l	-	0	
Glycols					
Ethylene Glycol	ISSUE	mg/l	Default	0	< 10
Diethylene Glycol	ISSUE	mg/l	Default	0	< 10
1,2-Propanediol	ISSUE	mg/l	Default	0	< 10
Rodenticides					
Triazine Pesticides					

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Assessment Senario Water Abstraction

				Summary	
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1111109
Client Sample No					ARP16-LF-BH05
Client Sample ID					None Supplied
Depth to Top					None Supplied
Depth to Bottom					
Date Sampled					06/12/2018
Sample Type					None Supplied
Atrazine	0.1	ug/l	UK DWS	18	< 0.05
Simazine	0.1	ug/l	UK DWS	0	< 0.05
Prometryn	0.1	ug/l	UK DWS	0	< 0.05
Propazine	0.1	ug/l	UK DWS	0	< 0.05
Terbuthylazine	0.1	ug/l	UK DWS	0	< 0.05
Terbutryn	0.1	ug/l	UK DWS	0	< 0.05
Acid herbicides esters					
2,4-D Methyl Ester	0.1	ug/l	UK DWS	0	< 0.02
2,4-D butyl ester	0.1	ug/l	UK DWS	0	< 0.10
2,4-D ethyl ester	0.1	ug/l	UK DWS	0	< 0.10
2,4-D isobutyl ester	0.1	ug/l	UK DWS	0	< 0.10
2,4-D isopropyl ester	0.1	ug/l	UK DWS	0	< 0.10
Acid Herbicides					
2,3,6-TBA	0.1	ug/l	UK DWS	0	< 0.02
Benazolin	0.1	ug/l	UK DWS	0	< 0.02
Bromoxynil	0.1	ug/l	UK DWS	0	< 0.02
Clopyralid	0.1	ug/l	UK DWS	0	< 0.02
Ioxynil	0.1	ug/l	UK DWS	0	< 0.02
2,4,5-T	0.1	ug/l	UK DWS	0	< 0.02
2,4,5-TP	0.1	ug/l	UK DWS	0	< 0.02
2,4-D	0.1	ug/l	UK DWS	1	< 0.02
2,4-DB	0.1	ug/l	UK DWS	0	< 0.02
Dicamba	0.1	ug/l	UK DWS	1	< 0.02
Dichlorprop	0.1	ug/l	UK DWS	0	< 0.02
MCPA	0.1	ug/l	UK DWS	0	< 0.02
MCPB	0.1	ug/l	UK DWS	0	< 0.02
Mecoprop	0.1	ug/l	UK DWS	15	< 0.02
Picloram	0.1	ug/l	UK DWS	0	< 0.02
4-Chlorophenoxyacetic acid	0.1	ug/l	UK DWS	0	< 0.02
Organochlorine Pesticides					
Aldrin	0.03	ug/l	UK DWS	0	< 0.01
alpha-HCH (alpha-BHC)	0.1	ug/l	UK DWS	0	< 0.01
beta-HCH (beta-BHC)	0.1	ug/l	UK DWS	0	< 0.01
delta-HCH (delta-BHC)	0.1	ug/l	UK DWS	0	< 0.01
Dieldrin	0.03	ug/l	UK DWS	0	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01
Endosulfan	0.1	ug/l	UK DWS	0	< 0.01
Endosulfan Sulphate	0.1	ug/l	UK DWS	0	< 0.01
Endrin	0.1	ug/l	UK DWS	0	< 0.01
gamma-HCH (gamma-BHC)	0.1	ug/l	UK DWS	0	< 0.01
Heptachlor	0.03	ug/l	UK DWS	0	< 0.01
Heptachlor Epoxide	0.03	ug/l	UK DWS	0	< 0.01
Isodrin	0.1	ug/l	UK DWS	0	< 0.01
Methoxychlor	0.1	ug/l	UK DWS	0	< 0.01
o,p-DDE	0.1	ug/l	UK DWS	0	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01
o,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01
p,p-DDE	0.1	ug/l	UK DWS	0	< 0.01
DDT	0.1	ug/l	UK DWS	0	< 0.01
p,p-TDE (o,p-DDD)	0.1	ug/l	UK DWS	0	< 0.01
Trifluralin	0.1	ug/l	UK DWS	0	< 0.01
Organonitrogen pesticides					
Bentazone	0.1	ug/l	UK DWS	1	< 0.02

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G9 Groundwater Downgradient

Assessment Senario Water Abstraction

				Summary	
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1111109
Client Sample No					ARP16-LF-BH05
Client Sample ID					None Supplied
Depth to Top					None Supplied
Depth to Bottom					
Date Sampled					06/12/2018
Sample Type					None Supplied
Fluroxypyr	0.1	ug/l	UK DWS	0	< 0.02
Triclorpyr	0.1	ug/l	UK DWS	1	< 0.02
Organophosphorous pesticides					
Azinphos-ethyl	0.1	ug/l	UK DWS	0	< 0.01
Azinphos-methyl	0.1	ug/l	UK DWS	0	< 0.01
Chlorfenvinphos	0.1	ug/l	UK DWS	0	< 0.01
Chlorfenvinphos I	0.1	ug/l	UK DWS	0	
Chlorfenvinphos II	0.1	ug/l	UK DWS	0	
Chlorpyriphos-methyl	0.1	ug/l	UK DWS	0	
Diazinon	0.1	ug/l	UK DWS	0	< 0.01
Dichlorvos	0.1	ug/l	UK DWS	0	< 0.01
Dimethoate	0.1	ug/l	UK DWS	0	< 0.01
E-mevinphos	0.1	ug/l	UK DWS	0	< 0.01
Z-Mevinphos	0.1	ug/l	UK DWS	0	< 0.01
Ethion	0.1	ug/l	UK DWS	0	< 0.01
Fenitrothion	0.1	ug/l	UK DWS	0	< 0.01
Fenthion	0.1	ug/l	UK DWS	0	< 0.01
Malathion	0.1	ug/l	UK DWS	0	< 0.01
Parathion-ethyl	0.1	ug/l	UK DWS	0	< 0.01
Parathion-methyl	0.1	ug/l	UK DWS	0	< 0.01
Phenylurea herbicides					
Isoproturon	100	ng/l	UK DWS	0	< 10
Chlortoluron	100	ng/l	UK DWS	0	< 10
Diflubenzuron	100	ng/l	UK DWS	0	< 10
Diuron	100	ng/l	UK DWS	11	< 10
Linuron	100	ng/l	UK DWS	0	< 10
Methabenzthiazuron	100	ng/l	UK DWS	0	< 10
Monolinuron	100	ng/l	UK DWS	0	< 10
Monuron	100	ng/l	UK DWS	0	< 10
VFAs					
Acetic acid	0.01	mg/l	Default	0	< 10
Propanoic acid	0.01	mg/l	Default	0	< 10
Butyric acid	0.01	mg/l	Default	0	< 10
Isobutyric acid	0.01	mg/l	Default	0	< 10
Pentanoic acid	0.01	mg/l	Default	0	< 10
Isopentanoic acid	0.01	mg/l	Default	0	< 10
Hexanoic acid	0.01	mg/l	Default	0	< 10
Heptanoic acid	0.01	mg/l	Default	0	< 10
Pyrethroids					
Cyfluthrin	0.1	ug/l	UK DWS	0	< 0.1
Cypermethrin	100	ng/l	UK DWS	0	< 10
Deltramethrin	0.1	ug/l	UK DWS	0	< 0.1
Permethrin	0.1	ug/l	UK DWS	0	< 0.01
Permethrin	0.1	ug/l	UK DWS	0	< 0.01
Organotins					
Tributyltin compounds	0.2	ng/l	FEQS	0	< 10
TPT (Triphenyl Tin)	0.2	ng/l	FEQS	0	< 10
DBT (Dibutyl Tin)	0.2	ng/l	FEQS	2	< 10
Chlorophenols					
Pentachlorophenol	0.0004	mg/l	FEQS	0	< 0.05
Others					
Chlordane	0.0001	mg/l	UK DWS	0	
Chlorothalonil	0.0001	mg/l	UK DWS	0	

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Assessment Senario Water Abstraction

				Summary	
Lab Sample ID	**Screening value**	**Units**	**Screening standard**	**Number of Exceedances**	1111109
Client Sample No					ARP16-LF-BH05
Client Sample ID					None Supplied
Depth to Top					None Supplied
Depth to Bottom					
Date Sampled					06/12/2018
Sample Type					None Supplied
Chlorpyrifos	0.0001	mg/l	UK DWS	0	
Pendimethalin	0.0001	mg/l	UK DWS	0	
Bromoform	0.1	mg/l	WHO	0	
Methane	N/A	ug/l	-	0	