Network Rail (Huddersfield to Westtown (Dewsbury) Improvements) Order

Condition 10: Phase 2 Land Contamination Risk Assessment – Stage 1 Ravensthorpe Triangle

Document Ref: 151667-TSA-00-TRU-REP-W-EN-001282

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1. INTRODUCTION

1.1 Background

1.1.1 The Scheme is part of a wider programme of works under the Transpennine Route Upgrade (TRU) which will improve the Transpennine railway between Manchester, Huddersfield, Leeds and York and improve connections between key towns and cities across the north of England.

1.1.2 Planning Direction for the Huddersfield to Westtown (Dewsbury) section of the TRU was received from the Department for Transport, referenced TWA/21/APP/03, dated 13 October 2022.

1.1.3 This document sets out details in relation to Condition 10 of the Deemed Planning Permission.

2. STAGED APPROACH TO DISCHARGE

2.1.1 As set out in document ref 151667-TSA-00-TRU-REP-W-EN-001189 (submitted in relation to Condition 3 of the Deemed Planning) a staged approach is proposed in relation to discharge of the deemed planning conditions.

2.1.2 This document sets out details in relation to Stage 1 of the works for the Huddersfield to Westtown (Dewsbury) Scheme in relation to the Ravensthorpe Triangle area.

2.1.3 This report considers the following Stage 1 works:

- Vegetation clearance;
- Construction of bailey bridge to allow construction access across the canal;
- Construction of haul roads associated with compound/works site; and
- Provision of a compound site to facilitate works outlined.

2.1.4 Other Stage 1 development works are dealt with in the Phase 2 land contamination risk assessment submitted pursuant to Condition 10 (document ref: 151667-TSA-00-TRU-REP-W-EN-001214).

3. INFORMATION INCLUDED IN THIS SUBMISSION

3.1.1 The wording of Condition 10 is reproduced as follows:

10. In relation to contaminated land:

a) Where the Environmental Statement (Volume 2i, Chapter 12: Geology, soils and land contamination) indicates that intrusive investigation is necessary for that stage, no development in the relevant stage is to commence until a Phase II Site Investigation Report for that stage has been submitted to, and approved in writing by, the Local Planning Authority.

b) Where remediation measures are shown to be necessary in the Environmental Statement or the Phase II Reports undertaken pursuant to (a) above confirm remediation measures are necessary for the relevant stage, no development in the relevant stage is to commence until a Remediation Statement, demonstrating how the site will be made suitable for the intended use, has been submitted to and approved in writing by the local planning authority. The Remediation Statement must include a programme for all works and for the provision of and timescale for the submission to the local planning authority of Verification Reports for written approval.

c) Remediation of the site shall be carried out and completed in accordance with the approved Remediation Statement. In the event that remediation is unable to proceed in accordance with the approved Remediation Statement, the local planning authority must be notified in writing immediately and where agreed as necessary, operations on the affected part of the site must cease. An amended or new Remediation Statement must be submitted to, and approved in writing by, the local planning authority prior to any further remediation works which must thereafter be carried out in accordance with the revised approved Statement.

***Reason:** To ensure that the presence of contamination is identified, risks assessed and proposed remediation works are agreed in order to make the site suitable for use.*

4. REPORT OBJECTIVES

4.1 Purpose of the document

4.1.1 The purpose of this document is to present the findings and interpretation of the available data collected over several phases of ground investigation that were undertaken to inform the design and to support the consenting requirements for Stage 1 of the Scheme.

4.1.2 The objectives of this report are to:

- Summarise key information from desk study sources;
- Describe the recent phases of ground investigation and present the findings;
- Production of a generic quantitative risk assessment (GQRA) to assess the potential risk to human health and controlled waters for the development using the recent ground investigation data;
- Preparation of a ground gas risk assessment following on from post-fieldwork monitoring;
- Undertake preliminary waste characterisation;
- Revision of the Conceptual Site Model (CSM);
- Preparation of a land contamination assessment ("Phase 2") report detailing the ground investigation findings and assessment of the results; and
- Confirm actions that will be undertaken based on the collated ground and groundwater conditions.

4.2 Information sources

4.2.1 The following sources of information have been used in this report:

- Environmental Statement (ES) Volume 2ii: Ravensthorpe and Westtown, Chapter 12 (Geology, soils and land contamination), which utilised the following sources:
  - Groundsure "Enviro+Geo Insight" reports (hereafter referred as "Groundsure report"), which includes historical maps and a range of environmental data (Groundsure, 2020);
  - Site walkover surveys undertaken by an Atkins Environmental Scientist in 2019;
  - Multi-Agency Geographic Information for the Countryside (MAGIC) Interactive map (Defra, 2022);
  - British Geological Survey (BGS) online data;
  - The Environment Agency (EA) Catchment Data Explorer website;
  - Zetica, Unexploded Bombs online risk map;
  - The Coal Authority (CA) "Interactive Map" website[1] and web map services data;
- A detailed Unexploded Ordnance (UXO) assessment by 1st Line Defence;
- Information obtained from multiple phases of ground investigation (also included within Appendix B):
  - Structural Soils Ltd Factual Report on Ground Investigation MVL3 Off Track Section 6 Borehole Report (Demex Site), 2021 (document ref: 151667-TSA-W3-MVL3-DM3-X-MF-702112.

[1] https://mapapps2.bgs.ac.uk/coalauthority/home.html [accessed April 2021]

- Borehole logs provided by the EA relating to investigations undertaken by MJCA (2004) and Structural Soils (2005).

4.2.2 For a full list of all information sources please refer to the references list in Section 14.

4.3 Limitations

4.3.1 The report authors are responsible for selecting and summarising the data supplied by third parties but cannot be held responsible for any mistakes or inaccuracies or the completeness of third-party data on which it has relied. As with any point data, ground conditions can only be inferred between test locations and as such localised conditions on site may vary between point locations and groundwater/ground gas conditions may differ from those encountered during the monitoring periods. Therefore, this report cannot guarantee against unexpected ground conditions occurring between the sampling points.

4.3.2 This report presents the preliminary findings of a geo-environmental ground investigation and risk assessment to assess potential contamination risks. Constraints relating to geotechnical, ecology, heritage, flooding/drainage, utilities, air quality and noise are beyond the remit of this report.

4.3.3 Ground gas and groundwater conditions are based on observations made at the time of the ground investigations and monitoring programmes, and may be subject to variation due to atmospheric, seasonal or other effects.

4.3.4 The CSM developed and GQRA carried out for human health has been based on using screening criteria for a commercial land use scenario. Any changes to the development from those indicated in Section 2.1 may necessitate the revision of the CSM and risk assessment. As the design of the development evolves, the CSM and associated risk assessments will be regularly reviewed to confirm whether the CSM needs to be revised and risk assessments updated to reflect the design

4.3.5 This report does not advise on measures to deal with asbestos. Detailed advice should be sought from a specialist contractor.

4.3.6 This report is to be read considering the legislation, statutory requirements and/or industry good practice applicable at the time the report was written. Any subsequent changes in legislation or guidance may necessitate the findings to be reassessed in the light of these circumstances.

5. SITE CHARACTERISTICS

5.1.1 A summary of the historical and environmental setting of the site is presented in Table 5-1. This information has been summarised from the ES Volume 2ii: Ravensthorpe and Westtown, Chapter 12 (Geology, soils and land contamination) and a site walkover undertaken in November 2019.

Table 5-1 Summary of Site's historical and environmental setting

Item	Description
Current site description and use	The site comprises Thornhill Quarry landfill site, centred on National Grid Reference (NGR) 423596, 420109 in Ravensthorpe, West Yorkshire. The landfill site is a non-hazardous landfill owned and operated by Demex. The land has been restored and it is understood that, although the site is still active, an application has been made by the site operator to move it into closure. The application is currently being considered by the EA, and Network Rail are working closely with the operator regarding this matter. It occupies an area of approximately 11.1 hectares. The site is roughly triangular and is constrained by railway lines to the northwest and south and the Calder and Hebble navigation Canal to the northeast and east. The site is located in an area of current and former industrial use. The nearest residential dwellings are approximately 75m south of the site and are screened from the site by the railway embankment immediately to the south. Lees Hall Farm is located approximately 35m south of the site. Access to the site is from Calder Road to the west. During the walkover undertaken in 2019, a pond was noted to be present in the west of the site, and a floodwater retention feature (c. 5m deep) present on the south of the site.
Key historical land uses	It is understood that prior to the commencement of mineral extractions in 1883, the site was used as a coal stocking site. Railway sidings were noted to be present on site between 1948 and 1967. The site began accepting waste in 1994 following the issue of a waste disposal licence by the West Yorkshire Waste Management Joint Committee on 10 January 1994. The site been subject to a number of different planning permissions, licences and permits during its EA under the Environmental Permitting Regulations (EPR) 2010 reference EPR/LP3330XP_V002, as most recently varied 20 January 2016. Off-site historical land uses have included railway buildings, railway lines, railway sidings, railway stations, works, pits, tanks, mills, refuse heaps, power stations, collieries, tannery, carbide factory, garages and scrap metal yards, etc.
Landfill operation and management	**Engineering** The site was constructed in the void of a former sand and gravel quarry excavated to an approximate depth of between 11 and 13m below ground level (bgl). The site is divided into two cells; Cell 1 in the west of the site and Cell 2 in the east.

Item	Description
	During a meeting with Demex staff on 24 October 2019 it was indicated that no lining system is present at the site, which is considered to operate on the basis of 'dilute and attenuate'. There is no low permeability capping layer present however the site has been restored and is well vegetated with grass and shrubs. **Operational history** Upon the passing of all waste regulation to the EA the landfill was issued with a Waste Management Licence reference EAWML/61044 which came into effect on 1 September 1997. The site is currently regulated in line with EPR permit reference EPR/LP3330XP/V002. **Waste types** The landfill site was previously licensed to accept selected non-hazardous wastes such as ash, foundry sand and asbestos. The EPR Permit allowed only Landfill Directive (LFD, 1999) inert waste and asbestos (Stable Non-Reactive Hazardous Waste) to be accepted at the site. It is understood that inert soils were also accepted, and the landfill filled over a period of c. 20 years (with the oldest waste in the west and the more recent waste in the east). Demex site staff reported that for every one tonne of asbestos, four tonnes of inert soil were placed above it. Demex staff have commented that asbestos is likely to be present across the site.
Geology	**Superficial Deposits:** River Terrace Deposits (sand and gravel) and Alluvium (clay, sand, and gravel). **Bedrock:** Pennine Lower Coal Measures (PLCM) Formation (interbedded grey mudstone, siltstone, and pale grey sandstone, with mudstones and coal seams in the lower and upper parts respectively). Artificial ground is indicated by the BGS to underly the entire site.
Mining	Information from the Coal Authority indicates there are no mine shafts located within the Site. The site is indicated to be located within a 'Development High Risk Area', due to coal seams and probable shallow underground workings.
Hydrogeology	**Superficial:** Secondary A Aquifer **Bedrock:** Secondary A Aquifer The Site is not located within 1km of a Source Protection Zone (SPZ). There is a single groundwater abstraction licence located within 250m of the site. The licence, operated by Lawton Yarns Ltd, is located 175m west of the site and is associated with general washing/process washing and is listed as being non-potable. The abstraction is listed as being active and began in 1999.
Hydrology	The Calder and Hebble Navigation Canal is located off site adjacent to the northern and eastern site boundary. The River Calder is located approximately 110m northwest of the site, where the Calder and Hebble Navigation Canal joins. The River Calder flows to the east.

Item	Description
	The River Calder was given an overall classification of 'moderate', with an ecological status of 'moderate' and a chemical status of 'fail' in 2016. There is a large pond on top of the re-vegetated part of the landfill. There are two surface water abstractions recorded within 250m of the site. Both of which are located 140m north and west of the site. The northern licence relates to non-evaporative cooling and the western licence is for general use.
Pollution Incidents	There have been three pollution incidents within 250m of the site, the closest of which is located 70m northwest of the site and was associated with inert materials and wastes (construction and demolition materials and wastes). The impact to land and water for all three incidents was considered to be minor.
Pollution Controls	A single air pollution control is located 120m south of the site associated with a waste oil burner at CR Longley & Co on Ravensthorpe Road. An integrated pollution control is located 145m west of the site at E.ON UK Cogeneration Ltd associated with combustion processes. No further pollution controls are recorded within 250m of the site.
Trade Directory Entries and Fuel Stations	Current land uses that have the potential to represent key contamination sources recorded within the Groundsure Report on-site and within 100m of the site include: • Moorings and unloading facilities (on-site); • Furniture; • Unspecified works or factories; • Pipelines; • Railway stations; • Chimneys; • Waste storage, processing and disposal facilities; and • Electrical features.
Sensitive Land Uses	The site is not located within 250m of any statutory designated sites for nature conservation (for example, Sites of Special Scientific Interest, National/Local Nature Reserves, ancient woodland, etc.).
Radon	The UK Radon Map (Public Health England, 2018) indicates the Site is within an intermediate probability area (elevated radon potential) with 1-3 % of properties affected. The map also indicates this risk level indicates this level does not fall under Building Control Regulations, however advise "Testing existing buildings and fitting radon prevention in new buildings might still be considered, particularly if there is a high risk location such as a routinely occupied basement."
UXO Risk	The Zetica website indicates the site is at a low risk of unexploded bombs. A detailed UXO assessment was undertaken by 1st Line Defence for the wider TRU Scheme using a 'buffer zone' forming a corridor either side of the existing railway. The UXO report concluded the railway was in a low-risk area and recommended site-specific UXO awareness briefings be given to all personnel conducting intrusive works. Further sub-surface assessments, including UXO and utility checks, on areas not covered by the initial assessment of the rail corridor, are implemented through Network Rail Health and Safety contractual requirements with its contractors.

6. INITIAL CONCEPTUAL SITE MODEL (CSM)

6.1 Introduction

6.1.1 Primary guidance for assessing and managing risks posed by land contamination is presented in Land Contamination: Risk Management (LCRM) published by the EA on 8 October 2020. LCRM provides a technical framework (and signposts other key guidance) for identifying and remediating contamination through the application of a risk management process. The question of whether a risk is unacceptable in any particular case involves not only scientific and technical assessments, but also appropriate criteria by which to judge the risk and conclude exactly what risk would be unacceptable.

6.1.2 A CSM describes the relationship between potential sources of contamination (resulting from both on- and off-site historical and recent activities) and receptors to the potential contamination. As part of the CSM development, three elements are identified and assessed:

- Source of contamination and associated contaminants;
- Receptors – human beings, controlled waters (surface water/groundwater), ecological systems and property, to that contamination; and
- Pathways between the sources and receptors.

6.1.3 Where all three elements are present or are likely to be present, they are described as potential contaminant linkages (PCLs), which can then be subjected to the risk assessment and risk management process.

6.2 Initial CSM

6.2.1 The preliminary risk categorisations presented are based on an assessment of the potential consequence of each PCL occurring along with the likelihood that each PCL will occur in accordance with the framework as per CIRIA C552, provided in Appendix C. Potential contamination that might be present has been identified through knowledge of historical land uses on or adjoining the site.

6.2.2 Under current health and safety legislation, construction and maintenance staff are required to carry out their own appropriate risk assessments and mitigation to protect their staff, other human receptors and the environment from potential contamination. Such risks must be adequately mitigated by law, specifically the Construction Design Management (CDM) Regulations, which require potential risks to human health and the environment from construction activities are appropriately identified and all necessary steps taken to eliminate/manage that risk. However, for completeness the workers involved in the construction of the development (or maintenance workers involved in excavations) have been included as human receptors within the CSM.

6.2.3 Direct contact of contaminants in the soil or groundwater to new foundations/services has been excluded from the CSM as this is being addressed separately as part of the design process of the development.

Table 6-1 Initial CSM and Risk Assessment

Source	Pathway	Receptor	Risk classification and justification (consequence/likelihood)
S1. Potential on-site contamination: Made Ground and historical/current activities, including: • Thornhill Quarry Landfill • Coal Stocking Site • Railway sidings • Mineral Extraction Potential Contaminants of Concern include: • Metals, • PAHs, • TPHs • asbestos, • sulphate, • VOC/SVOC[2] and • high pH • Ammonia • Ground gas associated with Made Ground, mine gas and landfill material including methane, carbon monoxide, carbon dioxide and hydrogen sulphide.	**P1.** Ingestion of contaminated soils, soil-derived dust and groundwater **P2.** Inhalation of a) soil and soil-derived dust, asbestos and soil and groundwater droplets **P3**. Dermal contact with soil, soil derived dust and groundwater	**R1.** On-site users: a) construction workers involved in excavations and b) future Scheme workforce utilising the construction compound).	Construction workers (Severe/Likely) **High Risk** There is the potential for contamination to exist within the Made Ground landfill material on-site. Asbestos is known to have been deposited within the landfill on site. Construction workers are likely to be in contact with the underlying soils at the Site when undertaking excavations (e.g. for foundations of bailey bridge, construction of haul roads and grouting works). The Contractor has a duty under health and safety legislation to assess the risks posed to its workforce from contamination/asbestos and will implement the appropriate mitigation measures, which should minimise the potential risks. TRU workforce (Severe/unlikely) Moderate/**Low Risk** The compound surface areas will be covered in hardstanding or ballast during the site preparation works, which would minimise the risk of contact with underlying Made Ground.
	P2. Inhalation of b) landfill/ ground and/or mine gas and vapours (including those from historical fuel spills) **P4**. Migration along service trenches and build up within confined spaces (explosion or asphyxiation)	**R2.** On-site property (gas only)	(Severe/unlikely) **Moderate/Low Risk** It is understood that welfare cabins, offices and stores are likely to comprise of pre-fabricated, metal containers raised off the ground. The installation of new services through the floors of these temporary buildings has the potential to introduce new migration pathways. Providing an air gap is maintained beneath the cabins and services enter from the sides, the ingress of gas is considered unlikely.
	P1. Ingestion of contaminated soils, soil-derived dust and groundwater **P2.** Inhalation of a) soil and soil-derived dust, asbestos and soil and groundwater droplets **P3**. Dermal contact with soil, soil derived dust and groundwater	**R3.** Off-site residents, occupiers of commercial property and farmland.	(Medium/Unlikely) **Low Risk** If dust control measures are implemented correctly (in line with industry good practice and the mitigation measures specified in the CoCP Parts A and B) when Made Ground is disturbed, the risk to these receptors should be negligible. Once the construction of the temporary compound has been completed, hardstanding, gravel or vegetation are likely to cover the Site minimising the risk of wind entrainment of dust. It is unlikely that occupiers of surrounding properties fields would encounter groundwater, which is likely to be deeper than the depths farmers would dig to.
	P2. Inhalation of b) landfill/ ground and/or mine gas and vapours (including those from historical fuel spills) **P5.** Ground gas migration and build up within confined spaces (explosion or asphyxiation)	**R4.** Off-site property (gas only)	(Severe/Likely) **High Risk** The landfill is not known to be lined with low permeability material. Therefore, there is the potential for ground gas to migrate from the landfill material. Installation of new services (e.g. drainage) has the potential to introduce new migration pathways to off-site buildings/occupiers via trench backfill. This risk will be considered during design. The piling technique currently proposed for Bailey Bridge is Driven Piles, which are unlikely to create preferential gas migration pathways.
	P6. Leaching of contaminants and migration through permeable Made Ground **P7**. Migration (vertically) through the unsaturated zone or via preferential pathways e.g. new foundations/ piles to groundwater **P8**. Lateral migration in groundwater	**R5.** Groundwater a) Secondary A Superficial Aquifer (River Terrace and Alluvial Deposits) b) Secondary A Bedrock aquifer (PLCM)	(Severe/Likely) **High Risk** Significant deposits of Made Ground/landfill have been identified on-site and past/recent use might have resulted in contaminants leaking into the ground. The landfill is not known to be lined with low permeability material. Therefore, there is potential for leaching of contaminants directly into groundwater within the bedrock Secondary A Aquifer. Superficial deposits underlying the majority of the Site are likely to be granular in nature and therefore there is the potential for a direct pathway for contaminant migration from the Made Ground into the underlying bedrock aquifer.

[2] Volatile and semi-volatile organic compounds

Source	Pathway	Receptor	Risk classification and justification (consequence/likelihood)
	P9. Lateral migration via surface run-off and/or preferential pathways e.g. existing and historical pipes and services to surface water. **P10**. Surface water and groundwater interaction.	c) Groundwater abstraction [non-potable] (175m west)	
		R6. Surface water a) Calder and Hebble Navigation Canal (adjacent to the northern and eastern site boundary) and b) River Calder (110m northwest)	(Medium/Likely) **Moderate Risk** Groundwater flow beneath the Site is likely to be towards the north (towards the River Calder). The River Calder flows parallel to the northern site boundary and therefore is likely to intercept any groundwater migrating off site. The canal is likely to be sealed with puddle-clay, which would restrict the ingress of groundwater. It is unlikely that the use of the Site as a construction compound would pose an unacceptable risk to these surface water receptors.
S2. Potential off-site contamination: Historical land uses including: • Railway infrastructure (buildings, lines, sidings, stations) • Unspecified works • Pits • Tanks • Mills • Refuse heaps • Power stations • Collieries • Tannery • Carbide factory • Garages • Scrap metal yards Contaminants as for on-site	Inhalation, ingestion and dermal contact with contaminants in soil derived dust	On-site users (workers involved in mining remediation and compound site for construction works).	(Medium/Unlikely) **Low Risk** The majority of the surrounding area is covered in hardstanding or vegetated, therefore exposure to the underlying soils is limited and it is unlikely that contaminants would migrate onto Site through windblown dust.
	Inhalation of vapours/gas migrating through unsaturated zone and disassociating from migrating groundwater	As above, plus, for gas only, on-site property and off-site humans/property	(Severe/Unlikely) **Moderate-Low Risk** Installation of new services (e.g. drainage) has the potential to introduce new migration pathways that might re-direct landfill gas off-site towards the site. Although this particular PCL being present is relatively unlikely, it would be prudent to still considered this PCL during design.

7. GROUND INVESTIGATION

7.1 Previous investigations

7.1.1 Previous investigations have been undertaken at the site including the drilling of three boreholes in 2004 undertaken by MJCA Limited (BH101 to BH103) and seven boreholes undertaken by Structural Soils in 2005 (BH01 to BH07).

7.1.2 Previous investigations undertaken at the site identified the following ground conditions:

- Made Ground comprising sand, gravel, clay, silt and ash with fragments of brick, glass pottery, coal and concrete. The thickness of Made Ground encountered ranges from 0.50m bgl to 2.80m bgl.
- Drift deposits, comprising clay overlying sand and gravel, were encountered at the site with thicknesses ranging from 6.80m to 10.30m.
- Coal Measures were encountered across the site comprising sandstone in the southwest of the site, interbedded mudstone and siltstone overlying mudstone in the southeast and mudstone in the north and south of the site.
- Groundwater levels were recorded between 3.50m bgl and 7.00m bgl at the site and ranged from 38m above ordnance datum (AOD) in the southwest to 33m AOD in the north.

7.2 Recent Ground Investigation

7.2.1 Structural Soils, site investigation contractors, were commissioned to undertake the ground investigation works to obtain information on the geotechnical conditions at the site. The authors of this report contributed to the main investigation scope of the 2020 investigation with respect to the collection of contamination/gas data.

7.2.2 All factual ground investigation reports have been included within Appendix B of this report. The boreholes/data that do not relate to the site and geotechnical test results (that are not relevant to the assessments undertaken herein) have been removed from the factual reports for ease of reference and to reduce the document file size.

7.2.3 The aims of the investigations, with respect to land contamination/gas were to:

- collect data on the ground conditions and groundwater depth;
- collect soil and groundwater samples for laboratory analysis of potential contaminants of concern (identified from desk-based information); and
- undertake ground gas and groundwater monitoring from installed wells.

7.2.4 Following consideration of service plans from utility providers and drainage plans obtained from the TRU Alliance, the proposed exploratory hole locations were cleared for buried services by a subcontractor hired by the site investigation contractor using ground penetrating radar (GPR) and by a Site Engineer using a cable avoidance tool (CAT).

7.2.5 It should be noted that the authors of this report were not present on site during the ground investigation works, and information provided within this report is based upon details provided within the Scheme-wide ground investigation specification and the factual reports provided by the ground investigation contractors.

7.4 Scope of works

7.4.1 The preliminary ground investigation was designed to target potential sources of contamination and to provide an overall summary of ground conditions. Wells were installed to enable collection of groundwater samples from within the Made Ground/landfill material and bedrock and to target possible gas migration pathways from on- and off-site sources.

7.4.2 The environmental chemical testing suite was based on contaminants of concern identified during a review of desk-based information, including the historical uses of the site and on adjacent land.

7.4.3 Volatile head space testing using a PID was undertaken on site by Structural Soils staff (hereafter referred to as the site engineer), on environmental samples to assess the risk posed by volatile contaminants within soil.

7.4.4 Fifteen exploratory holes were completed with ground gas and/or groundwater monitoring installations. Installations targeted both Made Ground, landfill material, superficial deposits and bedrock. The installation details are shown in the logs presented in Appendix B and are summarised in Table 7-1.

7.4.5 The locations of the exploratory holes are presented on an exploratory hole location plan presented within Appendix A of this report and within the factual reports within Appendix B.

Table 7-1 Summary of exploratory holes undertaken across the site

Exploratory hole number	Termination depth (m bgl)	Installation depth (m bgl)		Strata screened
		Installation pipework depth (m bgl)	Depth of gravel backfill	
BH4454	30.00	4.00 to 6.80	3.50 to 7.20	Gravel
BH4455	12.30	5.00 to 8.50	4.90 to 8.60	Landfill Material
BH4456	35.20	12.30 to 14.30	11.80 to 14.80	Mudstone and Sandstone
BH4458	31.00	3.00 to 10.00	2.50 to 10.50	Gravel
BH4459	35.20	6.50 to 10.50	6.40 to 10.60	Landfill material
BH4460	39.10	20.00 to 22.00	19.90 to 22.10	Siltstone and Coal
BH4461	32.60	12.80 to 14.80	12.70 to 14.90	Gravel
BH4462	35.00	4.00 to 9.50	3.90 to 9.60	Landfill Material
BH4463	40.20	3.00 to 8.00	2.90 to 8.10	Sand and Gravel
BH5905	36.30	4.00 to 7.00	3.90 to 7.10	Landfill Material
BH5906	14.56	8.00 to 13.40	7.90 to 13.50	Landfill Material
BH5907	14.37	5.50 to 12.00	5.40 to 12.10	Landfill Material
BH5910	11.06	2.00 to 8.00	1.90 to 8.10	Landfill Material
BH4885	31.20	3.50 to 5.50	3.40 to 5.60	Gravel
BH4886	35.20	3.00 to 7.80	2.90 to 7.90	Gravel

8. ENVIRONMENTAL SAMPLING

8.1 Soil sampling

8.1.1 Environmental soil samples were collected on site during the ground investigation by the site engineer and transported to Envirolab for chemical analysis. Envirolab is a United Kingdom Accreditation Service (UKAS) and Monitoring Certification Scheme (MCERTS) accredited laboratory.

8.1.2 Soil samples were collected by the site engineer and transported to the laboratory at the end of each working day under Envirolabs chain of custody delivery process.

8.2 PID testing

8.2.1 Environmental soil samples were screened on-site by a site engineer with a PID. This test provides an indication of the presence and concentration of Volatile Organic Compounds (VOCs) in soil vapour and informs the appropriate selection of laboratory analysis. In-situ testing results from each exploratory hole are presented on their respective logs.

8.3 Groundwater sampling

8.3.1 Groundwater sampling has been undertaken on numerous occasions at the site as detailed in Table 8-1.

Table 8-1 Summary of groundwater sampling visits

Boreholes sampled	Date
BH101, BH103	18/12/2018
BH101, BH103	25/01/2019
BH101, BH103, BH4	25/02/2019
BH101, BH103, BH4	21/03/2019
BH103, BH4	17/04/2019
BH101, BH103, BH4	22/05/2019
BH101, BH4	27/06/2019
BH101, BH4	17/07/2019
BH101, BH103, BH4	13/08/2019
BH101, BH103, BH4	18/09/2019
BH101, BH103, BH4	16/10/2019
BH101, BH102, BH103, BH1, BH2, BH3, BH4, BH5, BH6, BH7, BH4454, BH4455, BH4456, BH4458, BH4459, BH4460, BH4461, BH4462, BH4463, BH5906, BH5907, BH5910, BH4885, BH4886	13/01/2021 to 20/01/2021
BH4463, BH5907, BH5910, QAQC1 - BH4463, QAQC2 - Blank	28/06/2022
BH101, BH102, BH103, BH1, BH2, BH3, BH4, BH5, BH6, BH7, BH4454, BH4455, BH4456, BH4458, BH4459, BH4460, BH4461, BH4462, BH5906	25/04/2022 to 27/04/2022
BH101, BH103, BH1, BH2, BH3, BH4, BH5, BH6, BH7, BH4454, BH4455, BH4456, BH4458, BH4459, BH4460, BH4461, BH4462, BH5906,	11/05/2022 to 13/05/2022
BH4463, BH5907, BH5910, QAQC1 – BH4463	09/08/2022

8.3.2 The samples were sent to the laboratory for chemical analysis indicated in paragraph 6.5.5.

8.3.3 In-situ testing of the groundwater sample was also undertaken by a site engineer to monitor certain parameters to ensure that samples of groundwater representative of conditions within the ground were collected. The parameters recorded included pH, temperature, electrical conductivity, redox potential, dissolved oxygen and total dissolved solids. Full

results of this testing are presented within the Structural Soils 2022 Factual Report.

8.4 Surface water sampling

8.4.1 Surface water sampling has been undertaken on numerous occasions at the site as detailed in Table 8-2. Surface water samples were collected from the River Calder upstream (SW1) and downstream (SW2), the canal upstream (SW3) and downstream (SW4), discharge points (D1 and D2) and a pond located on site. Locations of surface water samples are shown on drawing ref. DEM/DE/05-06/12964 in Appendix A.

Table 8-2 Summary of surface water sampling visits

Location sampled	Date
SW1, SW2, SW3, SW4, D1	18/12/2018
SW1, SW2, SW3, SW4, D1	25/01/2019
SW1, SW2, SW3, SW4, D1	25/02/2019
SW1, SW2, SW3, SW4	21/03/2019
SW1, SW2, SW3, SW4	17/04/2019
SW1, SW2, SW3, SW4	22/05/2019
SW1, SW2, SW3, SW4	27/06/2019
SW1, SW2, SW3, SW4	17/07/2019
SW1, SW2, SW3, SW4	13/08/2019
SW1, SW2, SW3, SW4	18/09/2019
SW1, SW2, SW3, SW4	16/10/2019
POND SAMPLE, CANAL SAMPLE	13/01/2021 to 20/01/2021

8.5 Ground gas and groundwater level monitoring

8.5.1 Ground gas monitoring was carried out by a site engineer using a calibrated GA5000 analyser on a maximum of 28 occasions, between January 2019 and June 2022 from 25 locations. It is noted that seven of the 25 monitored exploratory holes were located within the landfill boundary, while the remaining 18 were located around the perimeter. The monitoring regime undertaken was disrupted by the COVID19 pandemic.

8.5.2 Methane, carbon dioxide, carbon monoxide, hydrogen sulphide, oxygen and gas flow rate were recorded along with groundwater levels. The monitoring dates and the atmospheric pressure trends in the days prior to the visits, together with the pressure measured during the visits are detailed in Table 8-3.

8.5.3 Continuous ground gas and groundwater level monitoring equipment were installed within four exploratory holes BH5905, BH5907, BH5910 and BH4463 for a period of 2 months from 21 April 2022 to 30 June 2022. Continuous gas monitoring was undertaken to gain more detailed information regarding the ground gas regime at the site for the development. Gas data during this period was recorded every 2 hours. BH5905, BH5907 and BH5910 are all located within the landfill boundary with installations within the landfill material encountered during the ground investigation. BH4463 is located on the northern perimeter of the landfill with the installation located within natural deposits of sand and gravel.

8.5.4 Gas samples were also collected from the following exploratory holes on 25 May 2022:

- BH5905;
- BH5907;
- BH5910;
- BH4460;
- BH4461; and

- BH4462.

8.5.5 Samples were scheduled for the following analysis: bulk gas, carbon-14 isotope, odourant gas analysis and VOCs. The bulk gas, odourant gas and VOC analysis was undertaken by ALS Life Sciences Ltd. However, the carbon isotope analysis was subcontracted out to RCD Lockinge. It should be noted that for three samples the carbon-14 isotope analysis was unable to be completed due to a lack of measurable carbon dioxide (CO_2) and/or methane (CH_4).

Table 8-3 Atmospheric pressure conditions during ground gas monitoring

Boreholes monitored	Monitoring round	Date	Pressure range		Trend**
			Start/End	Max	
In-waste locations n/a **Perimeter locations** BH01, BH02, BH03, BH04, BH05, BH06, BH07, BH101, BH102 & BH103	1	14/01/2019	1019/1017	1019	Falling
	2	11/02/2019	1044/1045	1045	Rising
	3	05/03/2019	992/992	993	Fluctuating
	4	08/04/2019	1011/1011	1011	Rising
	5	02/05/2019	1010/1014	1014	Fluctuating
	6	03/06/2019	1005/1006	1006	Fluctuating
	7	19/07/2019	1006/1006	1006	Falling
	8	05/08/2019	1004/1004	1004	Falling
	9	20/09/2019	1024/1025	1025	Fluctuating
	10	25/10/2019	1008/1008	1008	Falling
In-waste locations BH5905, BH5906, BH5907, BH5910, BH4455, BH4459, BH4462 **Perimeter locations** BH01, BH02, BH03, BH04, BH05, BH06, BH07, BH101, BH102, BH103, BH4454, BH4456, BH4458, BH4460, BH4461, BH4463, BH4885 & BH4886	1	13/01/2021 & 18/01/2021	1011/1012	1013	Fluctuating
	2	01/02/2021 & 03/02/2021	995/988	996	Fluctuating
	3	16/02/2021	1000/999	999	Falling
	4	03/03/2021	1024/1025	1025	Fluctuating
	5	15/03/2021 & 16/03/2021	1014/1021	1021	Rising
	6	30/03/2021	1016/1021	1023	Rising
	7	14/04/2021	1029/1031	1031	Rising
	8	27/04/2021	1005/1006	1006	Falling
	9	17/05/2021	1000/1002	1003	Fluctuating
	10	25/05/2021	1006/1007	1008	Rising
	11	11/06/2021	1012/1013	1013	Fluctuating
	12	21/06/2021	1011/1013	1013	Fluctuating
In-waste locations BH5905*, BH5906, BH5907*, BH5910*, BH4455, BH4459, BH4462 **Perimeter locations** BH01, BH02, BH03, BH04, BH05, BH06, BH07, BH101, BH102, BH103, BH4454, BH4456, BH4458, BH4460, BH4461, BH4463*, BH4885 & BH4886	1	04/04/2022	1004/1001	1004	Falling
	2	22/04/2022	1010/1009	1011	Fluctuating
	3	11/05/2022	1001/999	1001	Falling
	4	25/05/2022	1003/1002	1004	Fluctuating
	5	13/06/2022	1018/1021	1021	Rising
	6	27/06/2022	1006/1009	1009	Rising

*Monitored on three occasions due to the installation of continuous gas monitors.
**Overall trend estimated from various online sources. Fluctuating indicates that no clear rising or falling trend is indicated and that atmospheric pressures have both risen and fallen on the build-up and during the monitoring round.

8.6 Laboratory chemical analysis

8.6.1 Chemical analysis of environmental samples collected during the 2020 investigation was scheduled by Atkins and carried out by Envirolab under the UKAS and the MCERTS accreditation schemes. Chemical analysis was based on contaminants of concern (CoC) identified in the initial CSM from consideration of historical and current land-uses, in-situ PID testing and ground conditions encountered on-site.

Soils

8.6.2 Selected soil samples were scheduled for soil analysis comprising the determinands in Table 8-4.

Table 8-4 Soil testing suite

Determinand	Number of samples tested
Metals (aluminium, antimony, arsenic, boron, cadmium, chromium (total), copper, lead, magnesium, mercury, nickel, potassium, zinc, selenium and vanadium)	32
pH	32
Total Organic Carbon (TOC)	32
Speciated polyaromatic hydrocarbons (USEPA 16)	19
Cyanide (complex & free)	33
Cyanide (total)	33
Asbestos ID	36
Speciated total petroleum hydrocarbons (TPH) criteria working group (CWG) with aliphatic/aromatic separation and carbon banding	29
VOCs	12
SVOCs	12
Polychlorinated biphenyls (PCBs)	1
Asbestos quantification	14

Soil leachate

8.6.3 Selected soil samples collected during the 2020 ground investigation were scheduled for leachate analysis by Atkins, comprising the determinands set out in Table 8-5.

Table 8-5 Soil leachate testing suite

Determinand	Number of samples tested
Metals (aluminium, antimony, arsenic, boron, cadmium, chromium, copper, lead, magnesium, mercury, nickel, potassium, selenium, vanadium and zinc)	21
pH	21
Ammoniacal Nitrogen as NH3	21
Sulphate	21
Speciated polyaromatic hydrocarbons (USEPA 16)	21
Total PAH	21
Cyanide (total & free)	21

Groundwater

8.6.4 Groundwater samples were collected by a Structural Soils engineer and were scheduled for a range of determinands by the authors of this report, comprising the determinands outlined in Table 8-6.

Table 8-6 Groundwater testing suite

Determinand	Number of samples tested
Metals (antimony, arsenic, boron, cadmium, chromium (total), copper, lead, magnesium, mercury, nickel, potassium, zinc and selenium)	76 to 92
pH	151
Cyanide (total & free)	76
Ammoniacal Nitrogen as N/Ammonia as N /Ammonia/Ammoniacal Nitrogen as NH3	136/14/26
Hardness	10
Sulphate	92
Speciated polyaromatic hydrocarbons (USEPA 16)	76
Speciated total petroleum hydrocarbons (TPH) criteria working group (CWG) with aliphatic/aromatic separation and carbon banding	76
VOCs	115
SVOCs	76

9. GROUND CONDITIONS

9.1 Summary of ground conditions

9.1.1 Ground conditions have been summarised using data gathered from the 2020 and 2021 ground investigations. Olfactory and visual signs of contamination along with PID results are discussed in Sections 9.2 and 9.3.

Made Ground

9.1.2 Made Ground was encountered across the site to a maximum depth of 4.00m bgl. Made Ground consisted of sandy gravelly clay, cobbles, gravelly sand and sandy gravel. Inclusions within Made Ground comprised sandstone, mudstone, limestone, coal, brick, ash, clinker, rare bituminous materials, asphalt, slag.

Landfill capping material

9.1.3 Material described as landfill capping material was encountered in nine locations across the site. Material was described as sandy gravelly clay. Gravel was noted to include sandstone, limestone, mudstone, concrete, brick, pottery and ceramics and occasional timber and glass. Capping material was encountered from ground level to a maximum depth of 3.80m bgl.

Landfill

9.1.4 Material described as “landfill” was encountered in nine locations across the site. Material was described as gravelly sandy clay. Landfill material was encountered to a maximum depth of 14.30m bgl. Gravel was noted to include brick, limestone and sandstone. Recorded anthropogenic material included black plastic, red and black asbestos waste bags, slate, asbestos concrete and tiles, asbestos insulation board, asbestos cement, asbestos thermal insultation, wood, timber, metal wires, demolition material and ceramic. Material was noted to be locally slightly organic/organic within BH4455. Bitumen was noted within material recovered from BH4459.

Superficial deposits

9.1.5 Superficial deposits were encountered across the site and comprised both granular and cohesive deposits. Granular deposits comprised clayey sandy gravel and gravelly sand to a maximum depth of 15.80m bgl. Cohesive deposits comprised slightly sandy slightly gravelly clay. Cohesive deposits were encountered within seven exploratory holes (BH4456, BH4458, BH4461, BH4462, BH4463, BH4885, BH4886) with a maximum thickness of 1.70m recorded. Cohesive deposits were typically encountered underlying the Made Ground and overlying the granular superficial deposits. Clay was encountered within BH5906 and BH5907 underlying the landfill material between 13.30m bgl and 14.10m bgl.

Bedrock

9.1.6 Bedrock of the PLCM was encountered across the site within two exploratory holes, with top depths ranging from 9.00m bgl to 16.00m bgl.

9.1.7 Coal was recorded within 11 locations (BH4454, BH4456, BH4458, BH4459, BH4460, BH4461, BH4462, BH4463, BH5905, BH4885, BH4886). Top depths encountered ranged between 18.40m bgl and 31.65m bgl, with a maximum thickness of 1.65m recorded within BH4459.

9.1.8 Possible back filled mine workings were encountered within BH4456 between 15.30 and 16.20m bgl. Material encountered was described as black sandy gravel of coal and

sandstone with no structure. A void was encountered within BH4885 between 12.60 and 13.70m bgl within the PLCM.

Groundwater recorded during investigation

9.1.9 Groundwater was encountered during excavation/drilling as summarised in Table 9-1. No visual or olfactory signs of contamination were recorded within groundwater encountered during the investigation.

Table 9-1 Summary of groundwater strikes during the ground investigation

GI phase	Exploratory hole	Depth of water strike (m bgl)	Deposit	Water level after 20 min (m bgl)
2020	BH4454	4.50	Made Ground	4.30
	BH4455	4.96 (ingress)	Landfill	n/a
	BH4456	4.96 (ingress)	Gravel	n/a
	BH4458	4.96	Gravel	4.68
	BH4459	8.00	Landfill	7.85
	BH4460	8.00 (ingress)	Landfill	7.80
	BH4461	7.60	Landfill	7.11
	BH4462	8.60	Landfill	7.14
	BH4463	5.60 (ingress)	Sand	n/a
	BH5905	8.00 (ingress)	Landfill	n/a
	BH5906	7.00 (ingress)	Landfill	7.10
	BH5097	7.20 (ingress)	Landfill	n/a
	BH5910	4.00 (ingress)	Landfill	n/a
	BH4885	4.40	Gravel	3.50
	BH4886	3.80	Gravel	3.10
2004	BH101	8.90	Gravel	5.79
	BH102	8.00 to 9.00	Sand	n/a
	BH103	7.50	Sand	4.74
2005	BH01	8.80	Gravel	n/a
	BH02	8.20	Sand and Gravel	n/a
	BH03	8.00	Sand and Gravel	n/a
	BH04	8.60	Sand and Gravel	n/a
	BH05	4.10	Sand	4.00
	BH06	4.20	Sand and Gravel	4.10
	BH07	5.10	Sand and Gravel	4.80

Water levels

9.1.10 Water levels have been recorded in seven in-waste locations and 16 external (perimeter) locations on a minimum of 13 (up to a maximum of 28) occasions between 2019 and 2022. The groundwater levels recorded are summarised in Tables 9-2 and 9-3.

9.1.11 For the purpose of this assessment, where water levels are recorded in-waste within landfill material, these are considered to represent ‘leachate levels’. In all other locations, located outside (around the perimeter) of the waste mass, water levels are considered to represent groundwater conditions.

Table 9-2 Summary of leachate levels

Exploratory hole	Well screen range (m bgl)	Screened deposits	Depth (m bgl)		Elevation (m AOD)	
			Min	Max	Min	Max
BH4455	5.00 to 8.50	Landfill material	3.40	5.18	39.28	37.5
BH4459	6.50 to 10.50		5.42	7.0	37.77	36.19
BH4462	4.00 to 9.50		6.48	8.37	38.04	36.15
BH5905	4.00 to 7.00		6.49	Dry	37.77	Dry
BH5906	8.00 to 13.40		5.58	Dry	38.13	Dry
BH5907	5.50 to 12.00		6.23	7.90	37.72	36.05
BH5910	2.00 to 8.00		1.96	3.61	38.98	37.33

Table 9-3 Summary of groundwater levels

Exploratory hole	Well screen range (m bgl)	Screened deposits	Depth (m bgl)		Elevation (m AOD)	
			Min	Max	Min	Max
Superficial deposits						
BH4454	4.00 to 6.80	Gravel	1.65	3.64	39.64	37.65
BH4458	3.00 to 10.00	Gravel	3.29	4.87	38.13	36.55
BH4461	12.80 to 14.80	Gravel	5.83	7.33	37.57	36.07
BH4463	3.00 to 8.00	Sand and Gravel	3.36	5.02	37.2	35.54
BH4885	3.50 to 5.50	Gravel	1.49	3.72	39.9	37.67
BH4886	3.00 to 7.80	Gravel	1.15	3.24	39.28	37.19
BH01	1.00 to 9.80	Clay and Gravel	1.65	4.12	n/a	n/a
BH02	1.00 to 9.30	Clay and Gravel	1.25	4.06	n/a	n/a
BH03	1.00 to 10.70	Clay and Gravel	2.56	4.18	n/a	n/a
BH04	1.00 to 9.60	Clay and Gravel	2.90	4.53	n/a	n/a
BH05	1.00 to 8.70	Clay, sand and gravel	0.79	3.02	n/a	n/a
BH06	1.00 to 9.10	Sand and Gravel	0.58	3.02	n/a	n/a
BH07	1.00 to 8.30	Clay, sand and gravel	0.88	3.08	n/a	n/a
BH101	2.50 to 10.00	Clay and Gravel	1.27	4.18	40.6	37.69
BH102	2.80 to 10.80	Clay and sand	3.89	5.96	35.83	33.76
BH103	1.65 to 10.65	Sand	3.22	5.34	37.08	34.96
Bedrock						
BH4456	12.30 to 14.30	Mudstone and Sandstone	2.75	4.34	38.72	37.13
BH4460	20.00 to 22.00	Siltstone and Coal	6.54	7.97	37.68	36.25

9.1.12 It is considered that leachate within landfill deposits is in connectivity with groundwater in the surrounding superficial deposits based on the similar elevations recorded. Groundwater levels collected from Made Ground/Landfill deposits indicate that groundwater flow is towards the northeast of the site in the direction of the River Calder.

9.1.13 Under natural conditions regional groundwater flow is considered to be northerly, toward the

River Calder.

9.1.14 Site-specific monitoring data indicates that localised groundwater flow is disrupted by the presence of lower permeability materials within the landfilled void, such that groundwater from the south of the site has a component of easterly or westerly flow within the more permeable natural strata, around the landfill waste mass.

9.2 Ground gas monitoring results

9.2.1 Between 13 and 28 rounds of ground gas monitoring have been undertaken during 2019, 2021 and 2022 from the installed monitoring wells. Seven boreholes installed in-waste, 16 boreholes within superficial deposits and two within bedrock underwent landfill/ground gas monitoring. The results are summarised in Table 9-4, with maximum (or minimum for oxygen) peak and steady state gas concentration values and flow rates taken from across the whole monitoring period presented.

Table 9-4 Summary of ground gas monitoring undertaken at the site

Exploratory hole	Well screen range (m bgl)	Screened deposits	Flow (l/hr)	Methane (% v/v)	Carbon dioxide (% v/v)	Oxygen (% v/v)	Max hydrogen sulphide (ppm)	Max carbon monoxide (ppm)	Max PID (ppm)
			Max steady	Max	Max	Min			
In-waste									
BH4455	5.00 to 8.50	Landfill Material	0.2	2.4	0.4	16.7	0	1	0.2
BH4459	6.50 to 10.50	Landfill Material	0.2	14.4	2.2	<0.1	1	1	0.2
BH4462	4.00 to 9.50	Landfill Material	0.3	25.2	1.5	<0.1	0	2	0.5
BH5905	4.00 to 7.00	Landfill Material	0.3	14.6	1.9	<0.1	0	1	1.7
BH5906	8.00 to 13.40	Landfill Material	0.2	13.2	0.3	9.1	0	9	0.3
BH5907	5.50 to 12.00	Landfill Material	0.2	30.6	0.8	1.4	1	2	0.2
BH5910	2.00 to 8.00	Landfill Material	0.3	0.6	4.5	0.9	0	2	0.0
Superficial deposits									
BH4454	4.00 to 6.80	Gravel	0.2	<0.1	2.6	18.9	0	2	n/a
BH4458	3.00 to 10.00	Gravel	0.4	0.1	7.1	3.8	1	7	0.1
BH4461	12.80 to 14.80	Gravel	0.2	18.3	2.4	6.2	1	4	0.2
BH4463	3.00 to 8.00	Sand and Gravel	0.2	0.1	5.0	13.9	0	2	0.0
BH4885	3.50 to 5.50	Gravel	0.1	<0.1	3.5	15.5	1	4	0.3
BH4886	3.00 to 7.80	Gravel	0.7	<0.1	3.6	10.3	1	1	0.3
BH01	1.00 to 9.80	Clay and Gravel	0.1	0.1	7.6	10.8	<1	6	0.1
BH02	1.00 to 9.30	Clay and Gravel	0.2	0.1	9.9	2.5	<1	3	0.0
BH03	1.00 to 10.70	Clay and Gravel	0.2	0.1	6.6	9.2	<1	4	0.0
BH04	1.00 to 9.60	Clay and Gravel	0.1	0.1	6.3	12.0	1	7	0.0
BH05	1.00 to 8.70	Clay, sand and gravel	0.1	0.1	8.0	7.3	<1	6	0.2
BH06	1.00 to 9.10	Sand and Gravel	0.1	0.1	7.0	6.3	<1	3	0.2
BH07	1.00 to 8.30	Clay, sand and gravel	0.1	0.1	5.2	8.7	<1	5	0.3
BH101	2.50 to 10.00	Clay and Gravel	0.2	0.1	6.4	8.8	<1	15	0.1
BH102	2.80 to 10.80	Clay and sand	0.2	0.1	7.6	8.0	1	13	0.2
BH103	1.65 to 10.65	Sand	0.1	0.1	4.9	7.2	1	14	0.3
Bedrock									
BH4456	12.30 to 14.30	Mudstone and Sandstone	0.2	0.4	0.4	17.5	2	128	1.5
BH4460	20.00 to 22.00	Siltstone and Coal	0.4	22.7	1.3	1.9	0	2	0.6

9.2.3 Concentrations of methane recorded within wells in-waste ranged from 0.6% v/v (BH5910) to 30.6% v/v (BH5907). Putrescible material was encountered within the landfill material which may be the source of the elevated concentrations of methane.

9.2.4 Perimeter monitoring points installed within natural superficial deposits generally recorded methane concentrations at/or below the detection limit of 0.1% v/v with the exception of BH4461, which recorded a maximum concentration of 18.3% v/v. Methane concentrations within BH4461 were consistently measured above the detection limit during the monitoring regime. The screening zone for the well within BH4461 is located within Gravel with coal fragments noted. Coal measures are also recorded within bedrock underlying the monitoring well, and elevated concentrations may be a result of vertical and lateral gas migration.

9.2.5 Methane concentrations within perimeter monitoring points installed within bedrock ranged from 0.4% v/v (BH4456) to 22.7% v/v (BH4460). Methane within BH4460 was also consistently measured above the detection limit of 0.1% v/v. The well within BH4460 is screening bedrock of siltstone and mudstone, and 1.45m of coal deposits, which are anticipated to be the source of the elevated methane.

9.2.6 Carbon dioxide concentrations were generally higher in perimeter monitoring points screened in natural superficial deposited compared to in-waste wells. Concentrations within in-waste wells ranged from 0.3% v/v (BH5906) to 4.5% v/v (BH5910), while concentrations within superficial deposits ranged from 2.6% v/v (BH4454) to 9.9% v/v (BH02). Carbon dioxide concentrations recorded within bedrock ranged from 0.4% v/v to 1.3% v/v.

9.2.7 The maximum positive steady state flow rate recorded at the site from within in-waste wells was 0.3 l/hr which was recorded within BH4462, BH5905 and BH5910. The remaining in-waste wells recorded maximum steady state flow rates of 0.2 l/hr. Maximum steady state flow rate readings within wells which screened natural superficial deposits ranged from 0.1 l/hr to a maximum of 0.7 l/hr within BH4886.

9.2.8 Minimum oxygen concentrations within in-waste wells ranged from <0.1% v/v to 16.7% v/v (BH4455). While concentrations within natural superficial strata ranged from 2.5% v/v (BH02) to 18.9% v/v (BH4454). Wells installed within bedrock recorded minimum concentrations of 17.5% v/v (BH4456) and 1.9% v/v (BH4460). The low oxygen concentration recorded within BH4460 may be a result of the presence of coal measures within the screened zone.

9.3 Olfactory and visual records of contamination

Soils

9.3.1 The majority of exploratory holes across the site encountered Made Ground which included anthropogenic materials such as brick, clinker, ash, slag, burnt shale and rare inclusions of plastic and metal. Landfill material was also encountered across the site which included asbestos in various forms.

9.3.2 No visual or olfactory evidence of contamination were recorded by the site engineer and/or drillers during the 2020 investigation.

Soil vapour headspace results for soils

9.3.3 PID screening for VOCs was conducted on environmental soil samples during the ground investigation. No visual/olfactory evidence of VOCs was observed during the investigations undertaken and the PID tests conducted in the field did not record VOC levels of concern, with concentrations consistently measured below the limit of detection (<0.1 ppm).

Deviating samples

9.3.4 For the purpose of this assessment, where water levels are recorded in-waste within landfill material, these are considered to represent 'leachate levels'. In all other locations, located outside (around the perimeter) of the waste mass, water levels are considered to represent groundwater conditions.

9.3.5 As part of their accreditation, laboratories are obliged to indicate where samples deviate from their testing protocols. The QA pages are provided by the contractor/laboratories separately and are included in Appendix D.

9.3.6 Of the 33 soil samples collected during the 2020 investigation for soil and soil-leachate testing, 23 deviated due to the samples not being extracted within the laboratory defined holding times.

9.3.7 Two additional samples were listed as deviating due to no sampling date being provided to the laboratory on sampling jars/containers. Based on dates provided on the test certificates, the time elapsed between sample collection and commencement of analysis is up to six weeks. Much of the sampling and testing was undertaken in 2020 when COVID-19 restrictions, staff absence due to illness/isolation and social distancing would have made working conditions challenging.

9.3.8 The majority of inorganic soil parameters were largely unaffected, with only cyanide (free, total and complex) being reported as deviating. At least one organic compound was indicated to deviate in 23 of the samples, with most of the samples reporting deviations in TOC, TPH-CWG, PAHs, BTEX. Most samples scheduled for VOC and SVOC were also reported as deviations.

9.3.9 The delay between sampling and extraction/analysis might have resulted in concentrations being under reported (i.e. concentrations might have been higher when the samples were collected). However, following consideration of the following it is unlikely the reported deviations would significantly affect the conclusions of the risk assessments:

- Although ash was reported in the Made Ground, there were no significant visual, olfactory or PID evidence of major organic contamination reported on the borehole logs and as such there was an expectation that the laboratory test results for organic compounds would likely be below human health generic assessment criteria (GAC) and less than or marginally in excess of the UK Drinking Water Standards (DWS). As indicated in Section 10, the majority of chemical concentrations are considerably lower than the human health GAC and soil-leachate concentrations were generally less than detection limits/DWS, with only a few contaminants in excess of DWS, which broadly corroborates the expectations and site-based observations.
- It is intended that the near surface Made Ground across the site will be excavated and replaced, with materials stockpiled, sorted and tested in accordance with earthworks specification and/or Materials Management Plan (MMP) (document ref: 151667-TSA-00-TRU-REP-W-EN-001223) to determine suitability for reuse. This excavation work therefore allows a discovery strategy to be implemented and additional testing to confirm the material meets the reuse criteria during the future remediation works.
- The site surface will be covered in hardstanding, ballast or imported soils and so it is unlikely that end-users will come into contact with underlying fill materials.

10. GENERIC QUANTITATIVE RISK ASSESSMENT (GQRA)

10.1 Human health risk assessment

Introduction

10.1.1 A GQRA has been carried out to assess the potential long-term risks to human health receptors in relation to the development at the site and the identified key contaminants of concern. Given the potential pathways identified in the initial CSM, soils have been screened against relevant GAC based on a future commercial end use. For this assessment, either Atkins' soil screening values (SSVs) or Category 4 screening levels (C4SLs) were selected as GAC. The commercial GAC are considered appropriate due to the use of the site as a construction compound. Construction workers will either be located within portacabins or outdoors. The GAC are derived following consideration of inhalation, ingestion and dermal contact with the soil/dust and inhalation of vapours originating from soils and groundwater.

10.1.2 Data collected from the 2020 and 2021 ground investigations have been utilised as part of the human health risk assessment.

Methodology

10.1.3 In order to identify potential contaminants of concern (CoCs), the soil analytical data has been screened against Atkins' SSVs or C4SLs derived to be protective of chronic risks to human health.

10.1.4 SSVs are based on minimal toxicological risk for a variety of standard land uses at 1% soil organic matter (SOM) (sand soil type) and 6% SOM (sandy loam soil type) using CLEA v1.071 in accordance with EA guidance.

10.1.5 Based on the ratio of genotoxic PAHs to benzo(a)pyrene, the surrogate marker approach for genotoxic PAHs as set out in the C4SL Project Methodology, Contaminated Land: Applications in Real Environments has been adopted.

10.1.6 Samples were analysed for total organic carbon and have therefore been converted to Soil Organic Matter (SOM) (SOM = TOC x 1.72). The laboratory data of the soil collected from the site indicates a geometric mean SOM of 4.85. Samples where visual and/or olfactory evidence of hydrocarbon contamination was noted were excluded from the SOM calculation. The GAC for 6% SOM was selected for use within the GQRA.

10.1.7 For compounds arsenic, benzene, benzo(a)pyrene, cadmium and lead, the C4SL (based on a low level of toxicological concern) for the commercial land use at 1% SOM has been selected as the assessment criterion. C4SLs have also been published for vinyl chloride, trichloroethylene (TCE) and tetrachloroethylene (PCE).

10.1.8 Due to the nature of acute risk from cyanide, the SSV for cyanide has been based on the potential for an adult to ingest a bolus of soil contaminated with free cyanide.

10.1.9 Due to the nature of risk from asbestos an SSV cannot be derived using CLEA. Therefore, for GQRA purposes, the limit of detection at the laboratory has been selected as the assessment criterion.

Comparison of soil concentration data with generic assessment criteria

10.1.10 Thirty-three soil samples have been retrieved from across the site during the ground investigation and analysed for a range of contaminants. A full set of analytical results are included in Appendix B and the screening sheets are within Appendix D. These results have

been compared against the GAC outlined above. No exceedances of the human health GAC have been recorded within the samples analysed.

10.1.11 Asbestos was identified within 14 samples collected from across the site. Details are summarised in Table 10-1.

Table 10-1 Summary of asbestos results

Exploratory hole	Depth (m bgl)	Asbestos ID	Asbestos quantification (%)
BH4454	0.40	Chrysotile – Loose Fibres	0.007
BH4454	1.80	Amosite – Loose Fibres	<0.001
BH4456	0.20	Chrysotile – Loose Fibres	n/a
BH5905	7.0	Amosite Chrysotile – Board & Bitumen Product	0.024
BH4462	5.0	Chrysotile – Loose Fibres	1.635
BH5907	4.0	Chrysotile – Loose Fibres	1.698
BH5907	7.00	Amosite – Loose Fibres & Board	0.012
BH5906	11.00	Chrysotile – Loose Fibres	n/a
BH5906	12.00	Chrysotile – Cement	n/a
BH5906	13.00	Chrysotile – Loose Fibres & Cement	n/a
BH5910	5.00	Amosite & Chrysotile – Loose Fibres	n/a
BH5906	7.00	Chrysotile – Loose Fibres	5.718
BH4463	0.30	Amosite – Loose Fibres	<0.001
BH4885	0.30	Chrysotile – Loose Fibres	<0.001

10.1.12 Concentrations of determinands where GACs are not available but exceed the limit of detection (LOD) are outlined in Table 10-2.

Table 10-2 Summary of determinands where GAC is not available, but concentrations recorded >LOD

Determinand	Unit	LOD	No. of samples	No. of samples above LOD	Max value
Thiocyanate	mg/kg	5.0	33	1	7.00
Boron	mg/kg	1.0	32	13	3.00
TPH aliphatic C21-C35	mg/kg	1.0	29	27	813
TPH aliphatic C35-C44	mg/kg	1.0	29	24	239
Total aliphatics	mg/kg	1.0	29	27	1070
TPH aromatic C35-C44	mg/kg	1.0	29	24	266
Total Aromatics	mg/kg	1.0	29	26	5690
TPH (Ali & Aro >C5-C44)	mg/kg	1.0	29	27	5810
Acenaphthylene	mg/kg	0.01	19	10	0.13
Phenanthrene	mg/kg	0.03	19	18	7.52
Total PAH-16	mg/kg	0.01	19	18	45
n-Dibutylphthalate	mg/kg	0.1	12	1	5.22
Perylene	mg/kg	0.1	12	11	2.84
4-Isopropyltoluene	mg/kg	0.001	12	1	0.002

10.1.13 Benzo(a)pyrene has been used as a surrogate marker for PAHs and as the majority of benzo(a)pyrene concentrations were below the GAC, it is unlikely that acenaphthylene and phenanthrene would pose an unacceptable risk to site users.

Human health risk assessment conclusions

10.1.14 No exceedances of the human health assessment criteria were recorded within the soil samples analysed from the 2020 ground investigation. Asbestos was recorded within 14 samples collected from Made Ground and/or landfill material. The site is known to have been a landfill which accepted asbestos waste, therefore the detection of asbestos within samples was not unexpected. Advice should be sought from a specialist asbestos contractor to ensure appropriate mitigation measures are in place for during the Stage 1 works and for further stages of the development at the site.

10.1.15 The Stage 1 works comprise the construction of a bailey bridge, installation of haul roads and construction of a temporary compound. The site surfacing within the completed Stage 1 works area will be hardstanding/gravel/ballast and topsoil at surface. This is likely to sever the exposure pathway to the underlying Made Ground for the majority of site users once the Stage 1 works are complete. The short-term risks that might be posed to construction workers excavating utility/drainage trenches, grouting works will be considered by their employers within health and safety risk assessments. The information contained in this report and previous ground investigation reports should be used to inform any future health and safety risk assessments.

10.2 Controlled waters risk assessment

Introduction

10.2.1 The controlled waters GQRA has been undertaken to assess the potential risks posed to the identified controlled waters receptors from the migration of contaminants from potential on-site sources, as identified in the initial CSM presented in Section 6.

Methodology

10.2.2 Potential risks to identified receptors are assessed quantitatively by comparison of soil-derived leachate, groundwater and surface water analytical results to appropriate Water Quality Standards (WQS) based on the nature of the relevant receptors presented in Section 6.

10.2.3 The Environmental Quality Standards (EQS), as per the EU Water Framework Directive as implemented by the Water Framework Directive (England and Wales) 2017 [12] (where available), have been chosen as WQS in order to protect the identified surface water receptors (River Calder).

10.2.4 The DWS, as set out in “The Water Supply (Water Quality) Regulations (England and Wales) 2018” [13], have been chosen as WQS considered protective of the secondary A aquifers present beneath the site.

10.2.5 Additionally, concentrations of bioavailable determinands (copper, lead, manganese, nickel and zinc) have been assessed against Predicted No Effect Concentrations (PNECs) using the Water Framework Directive UK Technical Advisory Group metal bioavailability assessment tool (M-BAT). The key output of the M BAT tool is to estimate the bioavailable concentration of a metal under the surface water conditions found at a site, which can then be compared to the $EQS_{bioavailable}$ to assess compliance using a derived PNEC.

10.2.6 In the absence of site-specific surface water quality data for receiving waters, PNECs have been derived using historic surface water quality data, obtained from the EA Water Quality Archive for the River Calder at Spen Beck and as Dewsbury, both less than 1km downstream of the site. This data is considered representative of the receiving waters and in order to present a conservative assessment, the lowest PNEC of the analysed parameters

have been applied in the assessment to be protective of the most sensitive receptor.

10.2.7 The M BAT calculation sheets are presented in Appendix D. The conservative PNECs generated by the M-BAT assessment are:

- Copper: 11.37 µg/l;
- Lead: 3.71 µg/l;
- Manganese: 123.00 µg/l;
- Nickel: 6.47 µg/l; and
- Zinc: 21.80 µg/l.

10.2.8 The EQS, DWS and PNEC are collectively referred to as the WQS. Where both EQS and DWS screening criteria are available for a determinand, the lower value has been adopted as the WQS. The PNEC values outlined above have been adopted for copper, lead, manganese, nickel and zinc.

10.2.9 Soil-derived leachate tests give an indication of the concentrations at which contaminants might leach from soil into soil pore-water and thereby migrate to groundwater. Groundwater samples provide an indication of the groundwater quality and the contaminants that could migrate within the aquifers underlying the site.

10.2.10 The laboratory results are presented in Appendix B and the screening results in Appendix D.

Results

10.2.11 Results for potential contaminants of concern (i.e. those that exceed the screening value) are presented in Tables 10-3 to 10-9. A full set of screening results are presented within Appendix D.

Soil leachate

10.2.12 Twenty-one soil samples ranging in depth from 0.30m to 7.00m bgl from Made Ground and landfill/landfill capping deposits were scheduled for soil-leachate analysis during the 2020 and 2021 ground investigations. The Made Ground analysed is noted to include sandstone, mudstone, limestone, coal, brick, ash, clinker, rare bituminous materials, asphalt and slag.

10.2.13 A GQRA screening of sample results has identified contaminants above DWS within soil-derived leachate.

10.2.14 Blue highlighted cells within Table 10-3 and Table 10-4 indicate that the LOD is greater than the DWS or EQS available.

Table 10-3 Summary of Soil-Leachate DWS Exceedances

Constituent	Unit	LOD	GAC (mg/l)	No. of samples	Min. value	Max. value	No. of exceedances	Locations of exceedances
pH	pH	0.01	6.5-9.5	21	6.31	8.69	1	**BH4452, 0.9m**
Sulphate	mg/l	1	250	21	8.87	1630	12	BH4454, 0.4m; BH4456, 1.5m; BH5905, 7m; **BH4462, 5m**; BH4455, 1m; BH4455, 5m; BH4460, 5m; BH4461, 4m; BH5907, 7m; BH5906, 7m; BH4463, 1.2m; BH4459, 0.5m
Antimony	mg/l	0.001	0.005	21	0.001	0.009	2	BH4456, 1.5m; **BH4462, 5m**
Arsenic	mg/l	0.001	0.01	21	0.001	0.027	1	**BH4456, 1.5m**
Lead	mg/l	0.001	0.01	21	0.001	0.097	2	**BH4456, 1.5m;** BH4455, 1m
Nickel	mg/l	0.001	0.02	21	0.001	0.022	1	**BH5905, 7m**
PAH 16								
Benzo(a)pyrene	mg/l	2E-05	0.00001	21	<0.00002	0.0002	5	BH4456, 0.2m; **BH4456, 1.5m**; BH4462, 5m; BH4461, 4m; BH5906, 7m

10.2.15 A GQRA screening of sample results has identified contaminants above EQS within soil-leachate.

Table 10-4 Summary of Soil-Leachate EQS Exceedances

Constituent	Unit	LOD	GAC (mg/l)	No. of samples	Min. value	Max. value	No. of exceedances	Locations of exceedances
Sulphate	mg/l	1	400	21	8.87	1630	11	BH4454, 0.4m; BH5905, 7m; **BH4462, 5m**; BH4455, 1m; BH4455, 5m; BH4460, 5m; BH4461, 4m; BH5907, 7m; BH5906, 7m; BH4463, 1.2m; BH4459, 0.5m
Lead	mg/l	0.001	0.00371*	21	0.001	0.0198*	1	**BH4456, 1.5m;**
Vanadium	mg/l	0.001	0.02	21	0.001	0.024	1	**BH4456, 1.5m**
Zinc	mg/l	0.001	0.0232*	21	0.002	0.03415*	2	BH4452, 3.1m; **BH4456, 1.5m**;
PAH 16								
Anthracene	mg/l	2E-05	0.0001	21	<0.00002	0.00011	1	**BH4452, 3.1m**
Benzo(a)pyrene	mg/l	2E-05	0.00000017	21	<0.00002	0.0002	5	BH4456, 0.2m; **BH4456, 1.5m**; BH4462, 5m; BH4461, 4m; BH5906, 7m
Fluoranthene	mg/l	2E-05	0.0000063	21	0.00002	0.00054	12	BH4452, 3.1m; BH4456, 0.2m; **BH4456, 1.5m**; BH4462, 5m; BH4455, 1m; BH4455, 5m; BH4460, 5m; BH4461, 4m; BH5907, 7m; BH5906, 7m; BH4463, 1.2m; BH4885, 0.3m

*Bioavailable concentration calculated using MBat Tool

NB: Bold denotes location of maximum exceedance

Leachate (liquid) analysis

10.2.16 A total of 18 samples of liquid leachate have been collected from the site since 2018.

10.2.17 Comparison of analysis to appropriate WQS has identified a number of determinants in excess of WQS, including major ions, metals and metalloids, PAHs, hydrocarbons and BTEX commensurate with the understood composition of the waste mass.

10.2.18 Blue highlighted cells within Table 10-5 and Table 10-6 indicate that the LOD is greater than the DWS or EQS available.

Table 10-5 Summary of in-waste (liquid) leachate analysis – DWS exceedances

Constituent	Unit	LOD	WQS (mg/l)	In-waste (liquid) leachate			
				No. of samples	Max. value (mg/l)	No. of exceedances	LOCs of exceedances
pH	pH	0.01	6.5 – 9.5	18	10	2	2 x BH4462, 9.25m;
Ammoniacal nitrogen as N	mg/l	0.02	0.39	13	190	13	3 x BH4455, 5.5m; 2 x ATK BH5907, 10m; 2 x ATK BH5910, 6.15m; 2 x ATK BH5906, 10.3m; 2 x BH4459, 8.75m; 2 x BH4462, 9.25m;
Sulphate	mg/l	1	250	18	663	14	3 x ATKBH5906, 8.4m; 2 x BH4459, 6.9m; 3 x ATKBH5910, 4.8m; 3 x BH4462, 7.9m; 3 x ATKBH5907, 7.5m;
Cyanide (total)	Mg/l	0.005	0.05	18	19	10	2 x ATK BH5907, 10m; 2 x ATK BH5910, 6.15m; 2 x ATK BH5906, 10.3m; 2 x BH4455, 6m; 2 x BH4462, 9.25m;
Antinomy	mg/l	0.001	0.005	18	6	13	3 x BH4462, 7.9m; 3 x BH4455, 5.5m; 2 x ATK BH5907, 10m; 2 x ATK BH5910, 6.15m; ATK BH5906, 10.3m; 2 x BH4459, 8.75m;
Arsenic	mg/l	0.001	0.01	18	231	18	3 x ATKBH5906, 8.4m; 3 x BH4459, 6.9m; 3 x ATKBH5910, 4.8m; 3 x BH4462, 7.9m; 3 x ATKBH5907, 7.5m; 3 x BH4455, 5.5m;
Boron	mg/l	0.01	1	18	1000	17	3 x ATKBH5906, 8.4m; 3 x BH4459, 6.9m; 3 x ATKBH5910, 4.8m; 3 x BH4462, 7.9m; 3 x ATKBH5907, 7.5m; 2 x BH4455, 6m;
Cadmium	mg/l	0.0002	0.005	17	<0.2	5	2 x ATK BH5907, 10m; ATK BH5910, 6.15m; 2 x BH4459, 8.75m;
Copper	mg/l	0.001	2	18	71	14	2 x ATKBH5906, 8.4m; 2 x BH4459, 6.9m; 2 x ATKBH5910, 4.8m; 3 x BH4462, 7.9m; 3 x ATKBH5907, 7.5m; 2 x BH4455, 5.5m;
Chromium	mg/l	0.001	0.05	18	39	13	2 x ATKBH5906, 8.4m; BH4459, 6.9m; 3 x ATKBH5910, 4.8m; 2 x BH4462, 7.9m; 3 x ATKBH5907, 7.5m; 2 x BH4455, 5.5m;
Lead	mg/l	0.001	0.01	18	1	4	2 x ATK BH5907, 10m; ATK BH5906, 10.3m; BH4462, 9.25m;
Mercury	mg/l	0.0001	0.001	18	0.33	3	2 x ATK BH5907, 10m; ATK BH5910, 6.15m;
Nickel	mg/l	0.001	0.02	18	7.5	18	3 x ATKBH5906, 8.4m; 3 x BH4459, 6.9m; 3 x ATKBH5910, 4.8m; 3 x BH4462, 7.9m; 3 x ATKBH5907, 7.5m; 3 x BH4455, 5.5m;
Selenium	mg/l	0.001	0.01	18	4.8	9	2 x ATK BH5907, 10m; 2 x ATK BH5910, .15m; 2 x ATK BH5906, 10.3m; BH4459, 8.75m; 2 x BH4462, 9.25m;
Zinc	mg/l	0.001	3	18	10	15	2 x ATKBH5906, 8.4m; 3 x BH4459, 6.9m; 3 x ATKBH5910, 4.8m; 3 x BH4462, 7.9m; 2 x ATKBH5907, 7.5m; 2 x BH4455, 5.5m;
Phenol	mg/l	0.001	0.05	6	109	4	ATKBH5906, 8.4m; TKBH5910, 4.8m; TKBH5907, 7.5m; BH4455, 5.5m
Vinyl Chloride	mg/l	0.001	0.0005	6	4	1	BH4459, 6.9m
1,2-Dichloroethane	mg/l	0.002	0.003	6	2	1	BH4459, 6.9m
Benzene	mg/l	0.001	0.001	6	3	3	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m
Toluene	mg/l	0.001	0.7	6	1	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m
Ethylbenzene	mg/l	0.001	0.3	6	1	1	ATKBH5910, 4.8m
Styrene	mg/l	0.001	0.02	6	3	1	ATKBH5910, 4.8m
Aliphatic TPH >C8-C10	mg/l	0.005	0.3	18	17	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m
Aliphatic TPH >C10-C12	mg/l	0.005	0.3	18	<10	2	ATKBH5910, 4.8m; ATKBH5907, 7.5m
Aromatic TPH >C5-C7	mg/l	0.001	0.01	18	3	3	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m
Aromatic TPH >C7-C8	mg/l	0.001	0.7	18	1	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m
Aromatic TPH >C8-C10	mg/l	0.005	0.3	18	75	4	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m
Aromatic TPH >C10-C12	mg/l	0.005	0.09	18	77	6	ATKBH5906, 8.4m; 2 x ATKBH5910, 4.8m; BH4462, 7.9m; TKBH5907, 7.5m; BH4455, 5.5m;
Aromatic TPH >C12-C16	mg/l	0.005	0.09	18	139	7	ATKBH5906, 8.4m; 2 x ATKBH5910, 4.8m; BH4462, 7.9m; 2 x ATKBH5907, 7.5m; BH4455, 5.5m;
Aromatic TPH >C16-C21	mg/l	0.005	0.09	18	67	6	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; 2 x ATKBH5907, 7.5m; BH4455, 5.5m;
Aromatic TPH >C21-C35	mg/l	0.01	0.09	18	42	5	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m
Benzene	mg/l	0.001	0.001	12	3	3	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m
Toluene	mg/l	0.001	0.7	12	1	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m
Phenol	mg/l	5E-05	0.05	12	16	3	2 x BH4455, 6m; ATK BH5910, 6.2m

10.2.19 GQRA screening of sample results has identified contaminants above EQS within leachate, groundwater and surface water

Table 10-6 Summary of In-waste (liquid) Leachate Analysis – EQS Exceedances

Constituent	Unit	LOD	WQS (mg/l)	In-waste (liquid) leachate			
				No. of samples	Max. value (mg/l)	No. of exceedances	LOCs of exceedances
pH	pH	0.01	6 – 9	18	10.00	2	2 x BH4462, 9.25m;
Ammoniacal nitrogen as N	mg/l	0.02	0.2	18	190	13	2 x BH4455, 5.5m; 2 x ATK BH5907, 10m; 2 x ATK BH5910, 6.15m; 2 x ATK BH5906, 0.3m; BH4455, 6m; 2 x BH4459, 8.75m; 2 x BH4462, 9.25m;
Sulphate	mg/	1.0	400	18	663	7	3 x BH4462, 7.9m; 3 x ATKBH5907, 7.5m; ATK BH5906, 10.3m;
Boron	mg/	0.01	2.0	18	1000	17	3 x ATKBH5906, 8.4m; 3 x BH4459, 6.9m; 3 x ATKBH5910, 4.8m; 3 x BH4462, 7.9m; 3 x ATKBH5907, 7.5m; 2 x BH4455, 6m;
Arsenic	mg/l	0.001	0.05	18	231	18	3 x BH5906, 8.4m; 3 x BH4459, 6.9m; 3 x BH5910, 4.8m; 3 x BH4462, 7.9m; 3 x BH5907, 7.5m; 3 x BH4455, 5.5m;
Cadmium	mg/l	0.0002	0.00015	17	<0.2	5	2 x BH5907, 10m; BH5910, 6.15m; 2 x BH4459, 8.75m;
Copper	mg/l	0.001	0.01137	18	37.71*	18	3 x BH5906, 8.4m; 3 x BH4459, 6.9m; 3 x BH5910, 4.8m; 3 x BH4462, 7.9m; 3 x BH5907, 7.5m; 3 x BH4455, 5.5m;
Lead	mg/l	0.001	0.00371	18	0.204*	4	2 x BH5907, 10m; BH5906, 10.3m; BH4462, 9.25m;
Mercury	Mg/l	0.0001	0.00007	18	0.33	3	2 x BH5907, 10m; BH5910, 6.15m;
Nickel	mg/l	0.001	0.00647	18	20.72*	18	3 x BH5906, 8.4m; 3 x BH4459, 6.9m; 3 x BH5910, 4.8m; 3 x BH4462, 7.9m; 3 x BH5907, 7.5m; 3 x BH4455, 5.5m;
Zinc	mg/l	0.001	0.0218	18	46.78*	18	3 x BH5906, 8.4m; 3 x BH4459, 6.9m; 3 x BH5910, 4.8m; 3 x BH4462, 7.9m; 3 x BH5907, 7.5m; 3 x BH4455, 5.5m;
Anthracene	mg/l	1E-05	0.0001	18	0.6	7	3 x BH5906, 8.4m; BH5910, 4.8m; BH4462, 7.9m; BH5907, 7.5m; BH4455, 5.5m; ATK
Fluoranthene	mg/l	1E-05	0.0000063	18	0.67	8	3 x BH5906, 8.4m; BH4459, 6.9m; BH5910, 4.8m; BH4462, 7.9m; BH5907, 7.5m; BH4455, 5.5m;
Naphthalene	mg/l	1E-05	0.002	18	7.96	12	3 x BH5906, 8.4m; BH4459, 6.9m; 3 x BH5910, 4.8m; BH4462, 7.9m; BH5907, 7.5m; 3 x BH4455, 5.5m;
2,4-Dichlorophenol	mg/l	0.001	0.0042	18	3	1	BH5907, 7.5m
Phenol	mg/l	0.001	0.0077	18	109	4	BH5906, 8.4m; BH5910, 4.8m; BH5907, 7.5m;BH4455, 5.5m
1,2-Dichloroethane	mg/l	0.002	0.01	18	2	1	BH4459, 6.9m
Benzene	mg/l	0.001	0.01	18	3	3	BH5906, 8.4m; BH5910, 4.8m; BH5907, 7.5m
Toluene	mg/l	0.001	0.074	18	1	2	BH5906, 8.4m; BH5910, 4.8m
Ethylbenzene	mg/l	0.001	0.02	18	1	1	BH5910, 4.8m
Styrene	mg/l	0.001	0.05	18	3	1	BH5910, 4.8m
Aliphatic TPH >C6-C8	mg/l	0.001	0.01	18	3	4	BH5906, 8.4m; BH5910, 4.8m; BH4462, 7.9m; BH4455, 5.5m
Aliphatic TPH >C8-C10	mg/l	0.005	0.01	18	17	2	BH5906, 8.4m; BH5910, 4.8m
Aliphatic TPH >C10-C12	mg/l	0.005	0.01	18	<10	2	BH5910, 4.8m; BH5907, 7.5m
Aliphatic TPH >C21-C35	mg/l	0.005	0.01	18	12	2	BH5907, 7.5m; BH4455, 5.5m
Aromatic TPH >C5-C7	mg/l	0.001	0.01	18	3	3	BH5906, 8.4m; BH5910, 4.8m; BH5907, 7.5m
Aromatic TPH >C7-C8	mg/l	0.001	0.01	18	1	2	BH5906, 8.4m; BH5910, 4.8m
Aromatic TPH >C8-C10	mg/l	0.005	0.01	18	75	4	BH5906, 8.4m; BH5910, 4.8m; BH4462, 7.9m; BH5907, 7.5m
Aromatic TPH >C10-C12	mg/l	0.005	0.01	18	77	6	BH5906, 8.4m; 2 x BH5910, 4.8m; BH4462, 7.9m; BH5907, 7.5m; BH4455, 5.5m;
Aromatic TPH >C12-C16	mg/l	0.005	0.01	18	139	7	BH5906, 8.4m; 2 x BH5910, 4.8m; BH4462, 7.9m; 2 x BH5907, 7.5m; BH4455, 5.5m;
Aromatic TPH >C16-C21	mg/l	0.005	0.01	18	67	6	BH5906, 8.4m; BH5910, 4.8m; BH4462, 7.9m; 2 x BH5907, 7.5m; BH4455, 5.5m;
Aromatic TPH >C21-C35	mg/l	0.01	0.01	18	42	5	BH5906, 8.4m; BH5910, 4.8m; BH4462, 7.9m; BH5907, 7.5m; BH4455, 5.5m
Benzene	mg/l	0.001	0.01	18	3	3	BH5906, 8.4m; BH5910, 4.8m; BH5907, 7.5m
Toluene	mg/l	0.001	0.074	18	1	2	BH5906, 8.4m; BH5910, 4.8m
Phenol	mg/l	5E-05	0.0077	6	16	3	2 x BH4455, 6m; BH5910, 6.2m
Naphthalene	mg/l	1E-05	0.002	6	3.1	6	2 x BH5910, 6.15m; 2 x BH5906, 10.3m; 2 x BH4455, 6m;
Anthracene	mg/l	1E-05	0.0001	6	0.6	2	2 x BH5906, 10.3m;
Fluoranthene	mg/l	1E-05	0.0000063	6	0.67	2	2 x BH5906, 10.3m;

*Bioavailable concentration calculated using MBat Tool

Groundwater

10.2.20 A total of 64 groundwater samples have been collected from the site since 2018.

10.2.21 Comparison of analysis to appropriate WQS has identified a similar range of determinants in excess of WQS as recorded in leachate, including major ions, metals and metalloids, PAHs, hydrocarbons and BTEX. Blue highlighted cells within Table 10-7 and Table 10-8 indicate that the LOD is greater than the DWS or EQS available.

Table 10-7 Summary of groundwater analysis – DWS exceedances

Constituent	Unit	LOD	WQS (mg/l)	Groundwater			
				No. of samples	Max. value (mg/l)	No. of exceedances	LOCs of exceedances
pH	pH	0.01	6.5 – 9.5	71	13.19	7	3 x BH4456, 4.5m; 2 x BH5, 5m; BH102, 6.08m; BH4454, 6m;
Ammoniacal nitrogen as N	mg/l	0.02	0.39	70	23	34	3 x BH4456, 4.5m;3 x BH4460, 20.5m; 3 x BH4463, 5m; 3 x BH101, 6m; BH102, 6.08m; 6 x BH103, 5m; QAQC1 - BH4463; QAQC2 – Blank; 2 x BH2, 5.5m; 2 x BH3, 5.5m; 2 x BH4, 5.5m; 2 x BH5, 5m; 2 x BH4458, 6.2m; 2 x BH4461, 11.25m; QAQC1,
Sulphate	mg/l	1	250	56	590	28	2 x BH1, 4m; 2 x BH2, 3.5m; 3 x BH3, 3.5m; 4 x BH4, 6m; 2 x BH5, 5m; 4 x BH101, 4.5m; BH102, 6.08m; BH103, 5.75m; BH4885, 4m; 3 x BH4454, 4.5m; 2 x BH4458, 5m; 2 x BH4461, 13.2m; QAQC2 – Blank;
Cyanide (total)	mg/l	0.005	0.05	52	6	4	QAQC2 - Blank; 2 x BH4456, 5m; BH4461, 11.25m;
Antinomy	mg/l	0.001	0.005	52	3	19	3 x BH4460, 20.5m; 3 x BH4463, 5m; QAQC1 - BH4463; QAQC2 - Blank; 2 x BH1, 6m; BH5, 5m; 2 x BH6, 4.5m; BH102, 6.08m; 2 x BH4456, 5m; BH4458, 6.2m; BH103, 5.75m; QAQC1
Arsenic	mg/l	0.001	0.01	52	536	28	BH4885, 4m; 3 x BH4461, 13.2m; 3 x BH4460, 20.5m; 3 x BH4463, 5m; BH102, 5m; 3 x BH103, 5m; QAQC1 - BH4463; QAQC2 - Blank; 2 x BH1, 6m; BH3, 5.5m; 2 x BH4, 5.5m; BH5, 5m; 2 x BH6, 4.5m; 2 x BH4456, 5m; BH4458, 6.2m; QAQC1,
Boron	mg/l	0.01	1	52	490	45	3 x BH101, 4.5m; BH102, 6.08m; 2 x BH103, 5.75m; 3 x BH1, 4m; 3 x BH2, 3.5m; 3 x BH3, 3.5m; 3 x BH4, 6m; 3 x BH5, 3m; 3 x BH6, 3m; 3 x BH7, 3m; BH4885, 4m; BH4886, 3.5m; 3 x BH4454, 4.5m; 3 x BH4458, 5m; 3 x BH4461, 13.2m; 2 x BH4463, 7m; QAQC1 - BH4463; QAQC2 - Blank; 2 x BH4460, 13.75m; QAQC1,
Cadmium	mg/l	0.0002	0.005	54	1.5	36	2 x BH1, 6m; 2 x BH2, 5.5m; 3 x BH3, 5.5m; 3 x BH4, 5.5m; 2 x BH5, 5m; 2 x BH6, 4.5m; 3 x BH7, 4.35m; 3 x BH4454, 4.5m; 3 x BH4458, 5m; 2 x BH4463, 7m; QAQC1 - BH4463; 2 x BH101, 6m; BH102, 6.08m; 4 x BH103, 5.75m; 2 x BH4460, 13.75m; QAQC1,
Copper	mg/l	0.001	2	56	150	40	3 x BH4456, 4.5m; BH101, 4.5m; 2 x BH102, 5m; 3 x BH103, 5m; 3 x BH1, 4m; 2 x BH2, 3.5m; BH3, 3.5m; 3 x BH4, 6m; 3 x BH5, 3m; 2 x BH6, 3m;3 x BH7, 3m; BH4885, 4m; BH4886, 3.5m; 3 x BH4454, 4.5m; 3 x BH4458, 5m; BH4461, 13.2m; 2 x BH4460, 20.5m; 2 x BH4463, 5m; QAQC2 - Blank;
Chromium	mg/l	0.001	0.05	56	56	22	2 x BH4456, 4.5m; 2 x BH1, 4m; BH2, 3.5m; BH3, 3.5m; 2 x BH4, 6m; BH5, 3m; BH6, 3m; 2 x BH7, 3m; BH4885, 4m; BH4886, 3.5m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; QAQC2 - Blank;
Lead	mg/l	0.001	0.01	55	15	9	3 x BH4456, 4.5m; BH3, 3.5m; BH7, 3m; BH4460, 20.5m; BH4463, 7m; 2 x BH5, 5m;
Nickel	mg/l	0.001	0.02	56	53	56	3 x BH4456, 4.5m; 4 x BH101, 4.5m; 2 x BH102, 6.08m; 5 x BH103, 5.75m; 3 x BH1, 4m; 3 x BH2, 3.5m; 3 x BH3, 3.5m; 4 x BH4, 6m; 3 x BH5, 3m; 3 x BH6, 3m; 3 x BH7, 3m; BH4885, 4m; BH4886, 3.5m; 3 x BH4454, 4.5m; 3 x BH4458, 5m; 3 x BH4461, 13.2m; 3 x BH4460, 20.5m; 3 x BH4463, 5m; QAQC1 - BH4463; QAQC2 – Blank; QAQC1,
Selenium	mg/l	0.001	0.01	52	16	12	3 x BH4456, 4.5m; BH1, 6m; BH5, 3m; 2 x BH102, 5m; 2 x BH4463, 7m; QAQC1 - BH4463; QAQC2 - Blank; QAQC1
Zinc	mg/l	0.001	3	56	33	48	4 x BH101, 4.5m; 2 x BH102, 5m; 4 x BH103, 5m; 3 x BH1, 4m; 3 x BH2, 3.5m; 3 x BH3, 3.5m; 4 x BH4, 6m; 3 x BH5, 3m; 2 x BH6, 3m; 3 x BH7, 3m; BH4886, 3.5m; BH4885, 4m; 3 x BH4454, 4.5m; 3 x BH4458, 5m; 2 x BH4461, 13.2m; 2 x BH4460, 20.5m; 2 x BH4463, 5m; QAQC1 - BH4463; QAQC2 - Blank;
Vinyl Chloride	mg/l	0.001	0.0005	21	13	1	BH4461, 13.2m
Aliphatic TPH >C8-C10	mg/l	0.005	0.3	52	10	1	BH4460, 20.5m
Aliphatic TPH >C10-C12	mg/l	0.005	0.3	52	<10	1	BH4460, 20.5m
Aromatic TPH >C10-C12	mg/l	0.005	0.09	52	21	2	BH4460, 20.5m; BH4463, 7m
Aromatic TPH >C12-C16	mg/l	0.005	0.09	52	20	2	BH4460, 20.5m; BH4463, 7m
Aromatic TPH >C16-C21	mg/l	0.005	0.09	52	<10	1	BH4460, 20.5m
Vinyl Chloride	mg/l	1E-06	0.0005	58	10.5	1	BH5, 5m

10.2.22 GQRA screening of sample results has identified contaminants above EQS within leachate, groundwater and surface water.

Table 10-8 Summary of groundwater analysis – EQS exceedances

Constituent	Unit	LOD	WQS (mg/l)	Groundwater			
				No. of samples	Max. value (mg/l)	No. of exceedances	LOCs of exceedances
Ammoniacal nitrogen as N	mg/l	0.02	0.2	64	23	38	3 x BH4456, 4.5m; 3 x BH4460, 20.5m; 3 x BH4463, 5m; 2 x BH102, 5m; 6 x BH103, 5m; 5 x BH101; QAQC1 - BH4463, QAQC2 - Blank, BH1, 6m; 2 x BH2, 5.5m; 2 x BH3, 5.5m; 2 x BH4, 5.5m; 2 x BH5, 5m;2 x BH4458, 6.2m; 2 x BH4461, 11.25m; QAQC1, None Supplied
Sulphate	Mg/l	1.0	400	56	590	8	2 x BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4454, 4.5m;BH5, 5m; BH102, 6.08m
Boron	Mg/l	0.01	2.0	52	490	45	3 x BH101, 4.5m; BH102, 6.08m; 2 x BH103, 5.75m; 3 x BH1, 4m; 3 x BH2, 3.5m; 3 x BH3, 3.5m; 3 x BH4, 6m; 3 x BH5, 3m; 3 x BH6, 3m; 3 x BH7, 3m; BH4886, 3.5m; BH4885, 4m; 3 x BH4454, 4.5m; 3 x BH4458, 5m; 3 x BH4461, 13.2m; 2 x BH4463, 7m; QAQC1 - BH4463; QAQC2 - Blank; 2 x BH4460, 13.75m; QAQC1,
Cyanide (free)	mg/l	0.005	0.001	52	2.4	2	2 x BH4456, 5m;
Arsenic	mg/l	0.001	0.05	52	536	28	BH4885, 4m; 3 x BH4461, 13.2m; 3 x BH4460, 20.5m; 3 x BH4463, 5m; BH102, 5m; 3 x BH103, 5m; QAQC1 - BH4463; QAQC2 - Blank, 2 x BH1, 6m; BH3, 5.5m; 2 x BH4, 5.5m; BH5, 5m; 2 x BH6, 4.5m; 2 x BH4456, 5m; BH4458, 6.2m; QAQC1,
Cadmium	mg/l	0.0002	0.00015	54	1.5	36	2 x BH1, 6m; 2 x BH2, 5.5m; 3 x BH3, 3.5m; 3 x BH4, 6m; 2 x BH5, 5m; 2 x BH6, 4.5m; 3 x BH7, 3m; 3 x BH4454, 4.5m; 3 x BH4458, 5m; 4 x BH103, 5.75m; 2 x BH4463, 7m; QAQC1 - BH4463; 2 x BH101, 6m; BH102, 6.08m; 2 x BH4460, 13.75m;QAQC1,
Copper	mg/l	0.001	0.01137	56	79.67*	54	3 x BH4456, 4.5m; 2 x BH101, 4.5m; 2 x BH102, 5m; 5 x BH103, 5m; 3 x BH1, 4m; 3 x BH2, 3.5m; 3 x BH3, 3.5m; 4 x BH4, 6m; 3 x BH5, 3m; 3 x BH6, 3m; 3 x BH7, 3m; BH4885, 4m; BH4886, 3.5m; 3 x BH4454, 4.5m; 3 x BH4458, 5m; 3 x BH4461, 13.2m; 3 x BH4460, 20.5m; 3 x BH4463, 5m; QAQC1 - BH4463; QAQC2 - Blank; QAQC1,
Lead	mg/l	0.001	0.00371	55	30.61*	9	3 x BH4456, 4.5m; BH3, 3.5m; 2 x BH5, 5m; BH7, 3m; BH4460, 20.5m; BH4463, 7m;
Nickel	mg/l	0.001	0.00647	56	14.64*	56	3 x BH4456, 4.5m; 4 x BH101, 4.5m; 2 x BH102, 5m; 5 x BH103, 5m; 3 x BH1, 4m; 3 x BH2, 3.5m; 3 x BH3, 3.5m; 4 x BH4, 6m; 3 x BH5, 3m; 3 x BH6, 3m; 3 x BH7, 3m; BH4885, 4m; BH4886, 3.5m; 3 x BH4454, 4.5m; 3 x BH4458, 5m; 3 x BH4461, 13.2m; 3 x BH4460, 20.5m; 3 x BH4463, 5m; QAQC1 - BH4463; QAQC2 - Blank; QAQC1,
Zinc	mg/l	0.001	0.0218	56	205.86*	56	3 x BH4456, 4.5m; 4 x BH101, 4.5m; 2 x BH102, 5m; 5 x BH103, 5m; 3 x BH1, 4m; 3 x BH2, 3.5m; 3 x BH3, 3.5m; 4 x BH4, 6m; 3 x BH5, 3m; 3 x BH6, 3m; 3 x BH7, 3m; BH4885, 4m; BH4886, 3.5m; 3 x BH4454, 4.5m; 3 x BH4458, 5m; 3 x BH4461, 13.2m; 3 x BH4460, 20.5m; 3 x BH4463, 5m; QAQC1 - BH4463; QAQC2 - Blank; QAQC1,
Anthracene	mg/l	1E-05	0.0001	52	0.02	1	BH4460, 20.5m
Fluoranthene	mg/l	1E-05	0.0000063	52	0.07	3	BH4456, 4.5m; BH5, 3m; BH4460, 20.5m
Naphthalene	mg/l	1E-05	0.002	52	0.79	6	BH4456, 4.5m; BH4886, 3.5m; BH7, 3m; BH4461, 13.2m; BH4460, 20.5m; QAQC2 - Blank,
Trichloroethene	Mg/l	0.001	0.01	17	1.0	1	BH4458, 5m
Aliphatic TPH >C6-C8	mg/l	0.001	0.01	52	3	1	BH4461, 13.2m
Aliphatic TPH >C8-C10	mg/l	0.005	0.01	52	10	1	BH4460, 20.5m
Aliphatic TPH >C10-C12	mg/l	0.005	0.01	52	<10	1	BH4460, 20.5m
Aliphatic TPH >C21-C35	mg/l	0.005	0.01	52	<10	1	BH4460, 20.5m
Aromatic TPH >C10-C12	mg/l	0.005	0.01	52	21	2	BH4460, 20.5m; BH4463, 7m
Aromatic TPH >C12-C16	mg/l	0.005	0.01	52	20	2	BH4460, 20.5m; BH4463, 7m
Aromatic TPH >C16-C21	mg/l	0.005	0.01	52	<10	1	BH4460, 20.5m
Naphthalene	mg/l	1E-05	0.002	34	0.79	1	QAQC2 - Blank
4-Chloro-3-methylphenol	Mg/l	0.00005	0.04	34	0.53	1	BH5, 5m
Dibutyl phthalate	Mg/l	0.00005	0.008	34	0.1	1	BH5, 5m

* Bioavailable concentration calculated using MBat Tool

Surface water analysis

10.2.23 A total of 49 surface water samples have been collected from around the site since 2018.

10.2.24 Comparison of analysis to appropriate WQS has identified a similar range of determinants in excess of WQS as recorded in leachate and groundwater, including major ions, metals and metalloids, PAHs, hydrocarbons and BTEX. Blue highlighted cells within Table 10-9 indicate that the LOD is greater than EQS available.

Table 10-9 Summary of surface water analysis – EQS exceedances

Constituent	Unit	LOD	WQS (mg/l)	Surface water			
				No. of samples	Max. value (mg/l)	No. of exceedances	LOCs of exceedances
Ammoniacal nitrogen as N	mg/l	0.02	0.2	49	0.94	2	SW3, 3.5m; S3
Cyanide (free)	mg/l	0.005	0.001	1	3.4	1	CANAL SAMPLE, 6m
Arsenic	mg/l	0.001	0.05	1	41	1	POND SAMPLE, 4.5m
Cadmium	mg/l	0.0002	0.00015	13	12	3	CANAL SAMPLE, 6m; SW1, 5m; SW2, 5m
Copper	mg/l	0.001	0.01137	13	0.743*	13	POND SAMPLE, 4.5m; 3 x SW1; 3 x SW2; 3 x SW3; 3 x SW4
Lead	mg/l	0.001	0.00371	13	0.189*	9	3 x SW1; 2 x SW2; 2 x SW3; 2 x SW4;
Nickel	mg/l	0.001	0.00647	13	1.35*	13	POND SAMPLE, 4.5m; 3 x SW1; 3 x SW2; 3 x SW3; 3 x SW4
Zinc	mg/l	0.001	0.0218	13	205.86*	13	POND SAMPLE, 4.5m; 3 x SW1; 3 x SW2; 3 x SW3; 3 x SW4
Aliphatic TPH >C21-C35	mg/l	0.005	0.01	1	9	1	POND SAMPLE, 4.5m
Aromatic TPH >C21-C35	mg/l	0.01	0.01	1	28	1	POND SAMPLE, 4.5m

* Bioavailable concentration calculated using MBat Tool

Controlled waters discussion

10.2.25 The River Calder which is considered to be the primary controlled waters receptor; receiving groundwater baseflow discharge from the direction of the site.

10.2.26 Generally, a similar concentration and distribution of determinants (both within and in excess of WQS) was recorded within leachate and groundwater. This is considered commensurate with the documented operation and management of the landfill, reflective of both the composition of the landfilled waste mass and the migration of potential contaminants in the absence of an engineered barrier (i.e. under the principal of “dilute and attenuate”).

10.2.27 Analysis of soil-derived leachate indicates that leachate generation has likely peaked; with higher concentrations of determinants (and thereby exceedances of WQS) recorded within leachate and groundwater considered to indicate ‘flushing’ of the waste mass.

10.2.28 Overall, whilst it is evident that potential contaminants are likely leaching from Made Ground and the waste mass, concentrations in groundwater and surface water indicate that these are low levels, having an insignificant impact on the River Calder, and are unlikely to impact the Stage 1 works. However, further groundwater monitoring and sampling of surface water is required in order to inform a comprehensive groundwater risk assessment to support the surrender of the landfill and main works (Stage 6).

10.2.29 It should be noted that a number of exceedances of both the EQS and DWS have been recorded within the QAQC2 sample which was a trip blank provided by the laboratory. Exceedances mainly comprised inorganics and metals/metalloids. However, an exceedance of the EQS for Naphthalene was also recorded within the blank. This may be indicative of incorrect procedures being undertaken/followed within the laboratory, e.g. cross contamination.

10.3 Ground gas risk assessment

Methodology

10.3.1 The CL:AIRE guidance “Good Practice for Risk Assessment for Coal Mine Gas Emissions” indicates the site is at high risk from mine gas because there are shallow mine workings recorded at less than 20m bgl beneath the site (that initial monitoring data indicate might be unflooded), mine entries recorded within the site boundary and a general absence of low permeability superficial deposits. The guidance states that a detailed mine gas risk assessment is required to establish whether gas protection measures need to be incorporated into the new development. However, the temporary construction compound will not include any new buildings, as office/welfare facilities will be accommodated within Portacabins. Such temporary structures are usually placed on hardstanding or compacted gravel and have a gap in between the base of the structure and the ground with service penetrations between the ground and cabins unlikely, which would reduce the risk of ground gas entering the portacabins. A detailed gas risk assessment has not been undertaken for portacabins, as this would be disproportionate to the likely level of risk posed to portacabins.

10.3.2 British Standard BS8485:2019 code of practice for design of protective measures for methane and carbon dioxide ground gases for buildings is the primary guidance used for ground gas risk assessments. However, this guidance relates to permanent buildings, and it would be disproportionate to use the approach therein to assess risks to temporary portacabins, which are placed onto the ground and likely to have gaps beneath their bases.

10.3.3 In order to inform the revised CSM in Section 11, the key findings of the initial gas monitoring data have been presented as follows.

Ground/mine gas discussion

Hydrogen sulphide and carbon monoxide

10.3.4 Hydrogen sulphide was predominantly measured at or below the limit of detection of 1 ppm. The highest concentration of 2 ppm was recorded within BH4456 with a response zone located within the bedrock of mudstone and sandstone.

10.3.5 Carbon Monoxide concentrations were consistently measured below the limit of detection of 1 ppm. However, a peak reading of 128 ppm was recorded within BH4456 on the single monitoring visit undertaken at this location. BH5157 is installed within the Mudstone.

10.3.6 Continuous gas monitors were installed within four locations, BH5905, BH5907, BH5910 and BH4463 for a period of two months. Continuous monitoring recorded peak concentrations of 2.37 ppm carbon monoxide and 0.93 ppm hydrogen sulphide. Both of which are lower than the concentrations recorded during spot monitoring.

Depleted oxygen

10.3.7 Oxygen was recorded at concentrations below 19% v/v in all of the installed wells installed in both Made Ground, landfill and natural deposits. The minimum oxygen concentration recorded was <0.1% v/v oxygen in three locations; BH4459, BH4462 and BH5905. The response zones of these wells all screened landfill material. Such low concentrations of oxygen pose a high risk to construction or maintenance workers involved in foundation and utility installation/repair. Design should try to minimise the need for workers to access trenches, etc, and if this cannot be avoided air quality monitoring with alarms should be implemented as a minimum to protect the workforce.

Methane and carbon dioxide

10.3.8 A summary of the maximum gas concentrations and steady state flow rates for each well is presented in Table 10-10.

Table 10-10 Summary of methane, carbon dioxide and oxygen data

Exploratory hole	Maximum peak Carbon dioxide (% v/v)	Maximum peak Methane (% v/v)	Minimum Oxygen (% v/v)	Maximum steady state flow rate (l/hr)	Deposit/strata screened by well response zone (RZ)	Response zone flooded
In-waste						
BH4455	0.4	2.4	16.7	0.2	Landfill Material	Y (15/18)
BH4459	2.2	14.4	0.1**	0.2	Landfill material	Y (6/18)
BH4462	1.5	25.2	0.1**	0.3	Landfill Material	N
BH5905	1.9	14.6	0.1**	0.3	Landfill Material	N
BH5906	0.3	13.2	9.1	0.2	Landfill Material	Y (17/18)
BH5907	0.8	30.6	1.4	0.2	Landfill Material	N
BH5910	4.5	0.6	0.9	0.3	Landfill Material	N
Superficial deposits						
BH4454	2.6	0.1**	18.9	0.2	Gravel	Y (14/16)
BH4458	7.1	0.1	3.8	0.4	Gravel	N
BH4461	2.4	18.3	6.2	0.2	Gravel	Y (18/18)
BH4463	5.0	0.1	13.9	0.2	Sand and Gravel	N
BH4885	3.5	0.1**	15.5	0.1	Gravel	Y (13/18)
BH4886	3.6	0.1**	10.3	0.7	Gravel	Y (13/17)
BH01	7.6	0.1	10.8	0.1	Clay and Gravel	N
BH02	9.9	0.1	2.5	0.2	Clay and Gravel	N
BH03	6.6	0.1	9.2	0.2	Clay and Gravel	N
BH04	6.3	0.1	12.0	0.1	Clay and Gravel	N
BH05	8.0	0.1	7.3	0.1	Clay, sand and gravel	N
BH06	7.0	0.1	6.3	0.1	Sand and Gravel	N
BH07	5.2	0.1	8.7	0.1	Clay, sand and gravel	Y (2/28)
BH101	6.4	0.1	8.8	0.2	Clay and Gravel	Y (2/28)
BH102	7.6	0.1	8.0	0.2	Clay and sand	N
BH103	4.9	0.1	7.2	0.1	Sand	N
Bedrock						
BH4460	1.3	22.7	1.9	0.4	Siltstone and Coal	Y (18/18)
BH4456	0.4	0.4	17.5	0.2	Mudstone and Sandstone	Y (17/17)

Note that for the un-shaded rows, data from those visits in which the response well was completely flooded have not been used within this assessment.

**These concentrations/flow rates were recorded as not detected in the field, therefore the LOD of the gas monitor has been used in the calculations.

10.3.9 For the purpose of this assessment, where water levels are recorded in-waste within landfill material, these are considered to represent 'leachate levels'. In all other locations, located outside (around the perimeter) of the waste mass, water levels are considered to represent groundwater conditions.

10.3.10 Three visits were undertaken during a fall in atmospheric pressure (and where pressure fell to below 1000mb). However, the pressure data viewed online does not show the necessary frequency (i.e. hourly) to be able to confirm whether either of these constitute "worst case" conditions as described in CL:AIRE TB17: Ground Gas Monitoring and Worst Case Conditions August 2018.

10.3.11 As indicated in Table 10-10, response zones were flooded in 11 exploratory hole locations during the monitoring regimes. Data recorded within these boreholes may not be representative of the ground gas regime within unsaturated soils.

10.3.12 Concentrations of methane were consistently measured at or below the LOD in 15 out of the 25 monitoring boreholes across all monitoring visits undertaken. Peak methane concentrations during the monitoring regime ranged from 0.4% v/v to 30.6% v/v recorded within BH5907. BH5907s monitoring well is installed within the landfill material. Across all but one monitoring visit, methane concentrations were consistently measured above the LOD within BH5907. Elevated methane concentrations were generally recorded within wells with response zones within the landfill material, with the exception of BH4460 which screens the underlying siltstone bedrock and coal deposits. A maximum concentration of 22.7% v/v was recorded within BH4460 and is likely to be a result of the presence of coal deposits.

10.3.13 Peak carbon dioxide concentrations ranged from 0.3% v/v to 9.9% v/v, with the highest concentration recorded within BH02. Concentrations of carbon dioxide appear to be higher within wells with response zones within natural deposits than those within Made Ground/Landfill, Concentrations within Made Ground/Landfill material ranged from 0.40% v/v to 4.50% v/v while in natural deposits (including possible workings) they ranged from 0.40 to 9.90% v/v.

10.3.14 Maximum steady state flow rates ranged from 0.10 l/hr to 0.70 l/hr. The maximum positive steady state flow rate recorded at the site from within in-waste wells was 0.3 l/hr which was recorded within BH4462, BH5905 and BH5910. The remaining in-waste wells recorded maximum steady state flow rates of 0.2 l/hr. Maximum steady state flow rate readings within wells which screened natural superficial deposits ranged from 0.1 l/hr to a maximum of 0.7 l/hr within BH4886.

10.3.15 Maximum recorded PID concentrations ranged from 0.0 to 1.7 ppm (BH5905), with the highest reading recorded on 18/01/2021. It should be noted that PID readings were only recorded on two occasions for all exploratory holes across the site. On the second reading at BH5905, a PID reading of 0.2 ppm was recorded.

10.3.16 Continuous gas monitors were installed within four locations, BH5905, BH5907, BH5910 and BH4463 for a period of two months. Continuous monitoring recorded a maximum steady state flow rate of 1.73 l/hr within BH5905, with all remaining maximum steady flow rates recorded below 1.00 l/hr. Continuous monitoring recorded peak methane concentrations ranging from 0.00% v/v within BH4463 to 15.58% v/v within BH5905. Maximum carbon dioxide concentrations ranged from 1.66% v/v (BH5905) to 5.91% v/v (BH5910). Peaks in concentrations of carbon dioxide and methane were observed during periods of low and falling pressure.

10.3.17 Maximum PID concentrations recorded during continuous monitoring ranged from 1.11 ppm (BH4463) to 3.32 ppm (BH5905).

10.3.18 Gas samples were collected from six exploratory hole locations across the site and scheduled for analysis. A summary of the bulk gas analysis is provided as follows:

- Hydrogen, carbon monoxide and hydrogen sulphide were consistently measured at <LOD in all six samples;
- Oxygen concentrations ranged from <0.5% in BH5905 to 22.7% in BH4461;
- Nitrogen concentrations ranged from 73.9% in BH4462 to 87.9% in BH5905;
- Methane concentrations ranged from <0.05% in BH5910 & BH4461 to 24.8% in BH4462; and
- Carbon dioxide concentrations ranged from <0.05% in BH4461 to 1.99% in BH5905.

10.3.19 Results of the VOC gas sample analysis where concentrations greater than the LOD were detected have been summarised in Table 10-11.

Table 10-11 VOC gas results greater than the LOD

Determinand	Unit	LOD	Concentration	Location
1-Propanol	µg/m^3	<4.86	10.2	BH5910
		<102	175	BH5905
Acetone + Propanal	µg/m^3	<9.39	92.2	BH5910
		<5.74	28.2	BH4461
Carbon Disulfide	µg/m^3	<40.1	79.6	BH4460
Cyclohexane	µg/m^3	<6.80	7.07	BH5910
		<143	383	BH5905
		<134	677	BH5907
		<44.3	92.3	BH4460
		<133	1280	BH4462
Dichlorodifluoromethane	µg/m^3	<206	280	BH5905
		<193	285	BH5907
Difluorochloromethane	µg/m^3	<6.96	12.1	BH5910
		<147	1710	BH5905
		<137	5690	BH5907
		<45.4	1740	BH4460
		<136	5510	BH4462
Hexane	µg/m^3	<6.96	27.6	BH5910
		<136	218	BH4462
Hexanal	µg/m^3	<4.95	16.7	BH4461
Isobutene	µg/m^3	<4.53	33.1	BH5910
		<95.5	456	BH5905
		<89.1	793	BH5907
		<29.5	921	BH4460
		<2.77	2.96	BH4461
		<88.9	572	BH4462
Methylene Chloride	µg/m^3	<6.88	26.9	BH5910
		<44.8	46.0	BH4460
		<4.21	5.82	BH4461
Pentane	µg/m^3	<5.83	6.49	BH5910
		<645	45900	BH5905
		<115	576	BH5907
		<38.0	1120	BH4460
		<114	815	BH4462
Tetrachloroethene	µg/m^3	<13.4	23.8	BH5910
Toluene	µg/m^3	<7.45	37.1	BH5910
		<4.55	5.50	BH4461

Determinand	Unit	LOD	Concentration	Location
Trichlorofluoromethane	µg/m^3	<11.1	18.4	BH5910
		<72.3	621	BH4460
Vinyl Acetate	µg/m^3	<136	1300	BH4462

10.3.20 Three of the gas samples were also analysed for measurement of ^{14}C content and the carbon stable isotope ratio ($\delta^{13}C$) in the CH_4 component. The results are given in the table below as percent modern carbon for the ^{14}C measurement (corrected for $\delta^{13}C$) and per mil (‰) for the $\delta^{13}C$.

Table 10-12 Summary of carbon isotope measurements

Exploratory hole	14C activity (percent modern carbon)	$\delta^{13}C$ (‰)
BH5907	108.5 ± 0.4	-57.4
BH4460	106.7 ± 0.4	-58.2
BH4462	104.9 ± 0.4	-52.4

10.3.21 The laboratory indicates that the ^{14}C values for the samples are consistent with recent (last seventy) years' atmospheric levels.

10.3.22 The laboratory also suggests that "on face value the result would suggest that the gases originated either from material growing between 2000 and 2011 or the mid-1950s. The current atmospheric level of ^{14}C is around 103 percent modern. The stable isotope values lie within the range observed for biogenically produced CH_4". The licence for the onsite landfill was originally issued in 1994, with a variation in 2004. The input of waste within this time frame matches up with the predication of gases originating from material between 2000 and 2011, indicating that the source is likely to be the landfill material.

11. REVISED CSM (RCSM)

11.1.1 The findings of the recent ground investigation and GQRA have been used to update the Initial CSM presented in Section 6.

11.1.2 As with the Initial CSM, future construction and ground maintenance workers are included within the revised CSM for completeness. However, it should be noted that risks to construction workers will be assessed by their employers via health/safety risk assessments to establish safe systems of work and to ensure appropriate mitigation procedures are in place.

11.1.3 The revised CSM has been developed assuming completion of the Development works with no mitigation measures having been applied. The preliminary risk categorisations presented are based on an assessment of the potential consequence of each PCL occurring along with the likelihood that each PCL will occur in accordance with the framework provided in Appendix C. The revised CSM is shown in Table 11-1, together with updated risk levels.

11.1.4 Chemical attack to buried structures as a pathway has not been included within the CSM as it will be considered as part of the geotechnical assessment, which is being prepared separately.

Table 11-1 RCSM and risk assessment (Use of the site as a construction compound)

Source	Pathway	Receptor	Risk classification and justification
Potential on-site contamination: Made Ground and historical/current activities, including: • Thornhill Quarry Landfill • Coal Stocking Site • Railway sidings • Mineral extraction Potential off-site contamination: Historical land uses including: • Railway infrastructure (buildings, lines, sidings, stations) • Unspecified works • Pits • Tanks • Mills • Refuse heaps • Power stations • Collieries • Tannery • Carbide factory • Garages • Scrap metal yards Key findings of GQRA: **Human health:** No exceedances of the human health GAC have been recorded. Asbestos was identified within 14 samples. **Controlled waters:** pH, ammoniacal nitrogen, sulphate, cyanide, antinomy, arsenic, boron, cadmium, copper, chromium, lead, mercury, nickel, selenium, vanadium, zinc, PAHs, phenol, VOCs, TPHs and SVOCs. **Ground gas**: Methane, carbon dioxide, carbon monoxide and occasionally hydrogen sulphide have been recorded. Depleted oxygen levels recorded at shallow depth.	Ingestion of contaminated soils, soil-derived dust and groundwater Inhalation of soil and soil-derived dust, asbestos and soil and groundwater droplets Dermal contact with soil, soil derived dust and groundwater	On-site users (construction workers involved in excavations and Scheme workforce utilising the construction compound) Property (gas only)	Construction workers involved in excavations (Medium/Likely) **Moderate Risk** Workers are likely to be in contact with the underlying soils at the site when undertaking excavations (e.g. grouting for mine remediation, utilities for compound). The Contractor has a duty under health and safety legislation to assess the risks posed to its workforce from contamination/asbestos and to implement the appropriate mitigation measures to protect their workers and adjacent land occupiers. TRU workforce (Medium/Unlikely) **Low Risk** No human health exceedances were recorded during the ground investigation undertaken across the site; however, asbestos was identified within 14 samples collected from across the site. The compound surface areas will be covered in hardstanding or ballast/gravel, which would minimise the risk of the Scheme workforce coming into contact with underlying Made Ground.
Inhalation of ground/mine gas and vapours (e.g. from historical fuel spills) Migration along service trenches and build up within confined spaces (explosion or asphyxiation)			Construction workers (Severe/Unlikely) **Moderate/Low Risk** Mining remediation works (grid probing and grouting) are unlikely to result in the creation of new enclosed spaces. Works will be completed outdoors with no build-up of ground/landfill/mine gas above ground anticipated. The drilling may result in the creation of temporary new migration pathways whilst the works are being undertaken before grouting is completed. However, once grouting is completed pathways to the surface are likely to be severed. TRU workforce (Severe/Unlikely) **Moderate/Low Risk** Installation of new services (e.g. drainage) have the potential to introduce new migration pathways to the welfare portacabins. However, providing the gap beneath the cabins and ground surface is maintained and all service entry points through the base of the Portacabins are sealed , the ingress of gas is unlikely to be sufficient to pose an unacceptable risk to the cabin occupants.
Ingestion of contaminated soils, soil-derived dust and groundwater Inhalation of soil and soil-derived dust, asbestos, soil and groundwater droplets Dermal contact with soil, soil derived dust and groundwater	Off-site residents, occupiers of commercial property and farmland. Property (gas only)	(Medium/Unlikely) **Low Risk** There are a number of residential and commercial properties surrounding the Site. Playing fields are also located within 250m of the site. However, if dust control measures are implemented correctly (in line with industry good practice) when Made Ground is disturbed, the risk to these receptors should be negligible. Once the construction of the Development has been completed, hardstanding, gravel and vegetation are likely to cover the site minimising the risk of wind entrainment of dust. It is unlikely that occupiers of surrounding properties would encounter groundwater, which is likely to be deeper than the depths gardeners/farmers would dig to.
Inhalation of ground gases/mine gas and vapours. Ground gas migration through ground and via service trenches and build up within confined spaces (explosion or asphyxiation)		(Medium/Low Likelihood) **Moderate/Low Risk** Installation of new services (e.g. drainage) has the potential to introduce new migration pathways to off-site buildings/occupiers via trench backfill potentially forming a new pathway to existing off-site utility corridors. This risk should be considered during design. Areas of proposed hard standing are limited to the area of the proposed compound; therefore the Development is unlikely to alter the impermeable surface across the site and is unlikely to promote the lateral movement of ground gas off site. The mining remediation works consist of grid probing and grouting, which are unlikely to create preferential gas migration pathways as the concrete seals the boreholes as the drill is retracted. However, the filling of voids may promote the creation of new gas migration pathways off site.
Leaching of contaminants and migration. Migration through permeable Made Ground and the bedrock. Migration via preferential pathways e.g. existing and historical pipes and services, or new foundations (e.g. piles).	Groundwater – Secondary A Superficial Aquifer (River Terrace and Alluvial Deposits) Groundwater – Secondary A Bedrock aquifer (PLCM)	(Medium/Likely) **Moderate Risk** Made Ground/Landfill material was identified at the site to a maximum depth of 14.30m bgl. Superficial deposits were encountered directly underlying Made Ground/Landfill. Superficial deposits were generally granular in nature with cohesive deposits limited in their lateral extents. There is a direct pathway for contaminant migration from the Made Ground into the underlying superficial and bedrock aquifer. The proposed works at the site are unlikely to create new migration pathways for contaminants within Made Ground/Landfill material. The mining remediation plans which include drilling and grouting are unlikely to create

Source	Pathway	Receptor	Risk classification and justification
			new permanent migration pathways. A temporary pathway may be created during drilling, however the injection of grout to consolidate the old mine workings will subsequently sever this potential pathway. Soil leachate analysis undertaken on Made Ground/Landfill deposits indicated that recorded exceedances are marginal and would likely reduce further by natural degradation/dilution upon entering groundwater underlying the site. The development of the construction compound is unlikely to impact upon the underlying deposits. Driven piles are currently proposed at the location of the bailey bridge in the east of the site. Driven piles have the potential to create new migration pathways by “pushing” material down. Monitoring is still underway on the site and once completed, a revised controlled waters risk assessment will be undertaken.
		Surface water – Calder and Hebble Navigation Canal (adjacent to the northern and eastern site boundary) and the River Calder (110m north west)	(Medium/Low likelihood) **Moderate/Low Risk** Groundwater flow beneath the site is likely to be towards the north/northeast. The River Calder flows parallel to the northern site boundary and therefore is likely to intercept any groundwater migrating off site. The canal, located adjacent to the east of the site is likely to be sealed with puddle-clay, which would restrict the ingress of groundwater. The drilling and grouting works undertaken at the site are unlikely to create new migration pathways to the surrounding surface water features. It is unlikely that the use of the site as a construction compound would pose an unacceptable risk to these surface water receptors.

12. PRELIMINARY WASTE CHARACTERISATION

12.1 Results of CAT-WasteSOIL

12.1.1 A preliminary waste assessment has been undertaken using the Atkins/McArdle online waste characterisation tool CAT-Waste^{SOIL}. This provides an indication of whether waste might be Hazardous in accordance with the current guidance within the EA's Technical Guidance WM3: Waste Classification – Guidance on the Classification and Assessment of Waste. Analytical results from the 33 on-site soil samples were uploaded into CAT-Waste^{SOIL}.

12.1.2 All 33 samples analysed were classified as non-hazardous waste for off-site disposal at a landfill site accepting asbestos waste, however it is noted that soils containing asbestos at concentrations >0.1% would be classified as hazardous waste regardless of other chemical properties.

12.1.3 It is the duty of the waste producer to ensure that waste materials have been appropriately tested and classified to allow disposal to suitably licensed waste management facilities.

13. LAND CONTAMINATION CONSTRAINTS

13.1.1 This section along with the RCSM presented in Section 11 comprise the decision record for this stage of risk assessment. The EA's LCRM guidance states that confirmed pollutant linkages become Relevant Pollutant Linkages (RPLs). For the purposes of this report, RPLs are considered those where the risk level in the RCM is higher than Moderate/Low and some form of mitigation before or during construction is considered likely to be required. RPLs have been identified (see below) and the further works/mitigation procedures required have been included within Table 13-1.

- Moderate Risk: construction workers involved in excavations below ground (exposure to contaminants and asbestos); and
- Moderate Risk: groundwater within both superficial and bedrock Secondary A Aquifers (leaching and migration of contaminants/creation of preferential pathways).

13.1.2 The following is a summary of the key findings and interpretation of the ground investigation data with respect to land contamination and ground gas. Table 13-1 includes the key findings of the RCSM/GQRA and contamination constraints.

13.1.3 The risk assessment presented in previous sections and the conclusions/recommendations presented in Table 13-1 are based on the site layout/design drawings contained in Appendix A and outlined in Section 2 of this report. If the design/layout subsequently changes then the RCSM, risk assessment and Table 13-1 must be reviewed and if necessary revised by a contamination and ground/mine gas specialist.

Table 13-1 Contamination constraints and required actions before/during construction

Item	Findings of initial assessments	Implications to redevelopment
Exposure of workforce to contaminants in soils/water/air	Asbestos recorded by lab tests within Made Ground/Landfill. Metals, organics and polyaromatic hydrocarbons (PAHs) recorded within soil and groundwater samples.	Due to the presence of Made Ground across the site there is the potential for further asbestos to be encountered. Vigilance will be maintained during earthworks by appropriately experienced/trained staff. An asbestos specialist will be contacted for advice on what mitigation measures are required to protect the workforce and public.
Exposure of workforce and maintenance workers to ground/mine gas within trenches/excavations; and the drainage infrastructure design	The site is within a high risk zone for mine gas due to presence of shallow workings <20m bgl that might not be flooded (CL:AIRE, 2021). Carbon dioxide, carbon monoxide and methane have been recorded, with occasional hydrogen sulphide. Depleted levels of oxygen have been regularly recorded in the upper 5m of Made Ground/bedrock.	Gas mitigation measures to be incorporated into the drainage infrastructure design where appropriate. Design to minimise the need for workers to access trenches, tank excavations and inspection chambers. If this cannot be avoided, then air quality monitoring and implementation of alarm/evacuation procedures is to be included within work method statements and risk assessments to protect the construction/maintenance workers. Following completion of the gas monitoring the RSCM will be revised (with consideration to the design current at that time) and a mine gas risk assessment undertaken as recommended in CL:AIRE guidance.
Aggressive ground conditions and buried concrete and pipes (water supply and sewage pipes)	Petroleum hydrocarbons and sulphate recorded within soil samples. An assessment has not been undertaken as this is beyond the scope of this report.	Risk assessments are to be undertaken to confirm the concrete class and the requirements for water supply and drainage/sewer pipes.
Re-use of site won arisings (current in-situ Made Ground and natural deposits) within the site boundary	Risk assessment indicated site-won arisings could be re-used across the site as they are unlikely to pose an unacceptable risk to human health or controlled waters.	It is anticipated that arisings could be re-used across the site, subject to re-use complying with requirements of a MMP or environmental permit. Verification that re-use complied with the MMP/permit would be required, accordingly materials are to be tested and compared to re-use criteria. This approach will be agreed with the contaminated land officers at Kirklees Council and the EA prior to submission of the final MMP/permit.
Piling/foundations and drainage – risks to groundwater	Leachate and groundwater recorded pH, ammoniacal nitrogen, sulphate, cyanide, antinomy, arsenic, boron, cadmium, copper, chromium, lead, mercury, nickel, selenium, vanadium, zinc, PAHs, phenol, VOCs, TPHs and SVOCs exceedances.	The pile design for the bailey bridge currently proposes driven piles, which have the potential to create preferential migration pathways as material is driven down with the pile. A piling risk assessment, in accordance with EA guidance will be undertaken and any required mitigation communicated to the Alliance. No soakaways are proposed on site. It is unlikely the drainage would create new migration pathways that would pose an unacceptable risk to controlled waters.

Item	Findings of initial assessments	Implications to redevelopment
Disposal of waste soils and Made Ground	Preliminary results indicate that all 33 samples collected from across the site might be considered as non-hazardous waste.	It is the responsibility of the waste producer to ensure that adequate sampling/ analysis is undertaken to allow waste classification in accordance with waste regulations/guidance. Further sampling is likely to be required to achieve this (for materials to be disposed of). It is recommended that the contractor discusses lab results and soil descriptions with a variety of landfill operators/soil recycling operators to confirm options.
Ground/mine gas	Methane, carbon dioxide, carbon monoxide and, to a lesser extent, hydrogen sulphide have been recorded at shallow depths.	Providing a gap is maintained beneath the Portacabins and the ground and service entry points through the base are sealed (or use entry points through the cabin sides), the ingress of gas is unlikely to be sufficient to pose an unacceptable risk to the portacabin occupants.
Unexpected Contamination	N/A	As with any development there is always the possibility of finding ground/gas/contamination conditions that vary from those recorded in the ground investigation. Construction team should be vigilant and if such is encountered, to stop work in that area and seek advice from contamination specialists and inform the local planning authority in line with Condition 11 of the Deemed Planning Permission. Further sampling and assessment might be required to evaluate the risk.
Decommissioning monitoring wells	N/A	Prior to construction, all monitoring wells should be decommissioned in accordance with the EA's guidance "Good Practice for Decommissioning Redundant Boreholes and Wells" dated October 2012. This is to prevent the wells from becoming damaged during construction and inadvertently becoming pollution or gas migration pathways.

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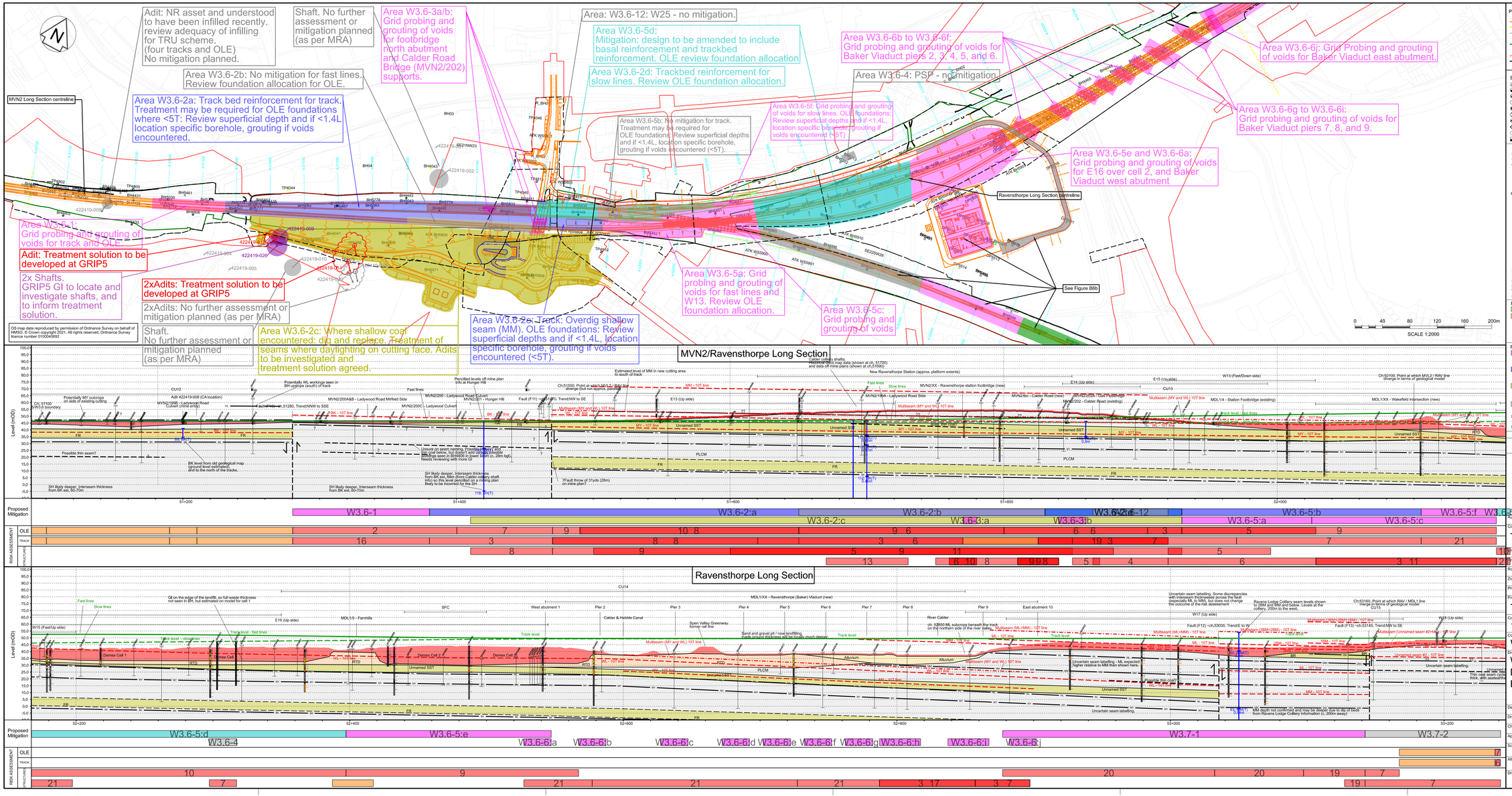
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APPENDIX A – DRAWINGS



PLAN LEGEND

- Proposed works
- Long section centreline
- Existing Ordnance survey data
- Indicative Network Rail land boundary
- Redline Boundary
- Limit of Deviation
- 422419-029: Shaft reference and possible zone of influence
- Adit position, direction, variation in possible position, and reference

BOREHOLE TYPE

- Borehole + dynamic probe
- Cable Percussion (shell and auger)
- Cable percussion + Rotary core
- Rotary open hole
- Rotary core
- Window sample
- Dynamic (windowless) sampler
- Concrete core
- Borehole (unknown type)
- Trial pit/trench
- Inspection pit
- Dynamic Probe sampling
- Geophysics
- Automatic ballast sampler

INVESTIGATION PHASE

- GRIP 4 GI Phase
- TWAO GI Phase
- GRIP 3 GI Phase
- Historical information
- GI not yet undertaken

PROFILE SYMBOLS

- Strata boundary
- Strata boundary - uncertain
- Coal seam
- Coal seam - uncertain
- Geological fault (with throw)
- 10x Seam thickness offset
- Seam depth and thickness (in metres) data from mine plans (number relative to background reference data)
- Proposed borehole - yet to be undertaken
- Proposed fast line rail level
- Proposed slow line rail level

Note: See GIR long sections for details of borehole stick symbology

SUPERFICIAL GEOLOGY

- MGR - Made ground
- ALV - Alluvial deposits
- HEAD - Head deposits
- RTD - River Terrace deposits
- SUPER - Superficial deposits

BEDROCK GEOLOGY

- PLCM - Pennine Lower Coal Measures - Undifferentiated
- PLCM - Pennine Lower Coal Measures - Sandstone Member
- BK - Binsid rock
- LER - Lopton Edge Rock
- CR - Clifton Rock
- R-RF - Rough Rock and Rough Rock Flags
- MG - Millstone Grit

COAL SEAM CODES

1BM - 1ST BROWN METAL	BK - BLOCKING	BL - BLACK BED
2BM - 2ND BROWN METAL	LF - LINFIT LOUSEY	BB - BETTER BED
3BM - 3RD BROWN METAL	SH - SHERTCLIFFE	3BY - 36 YARD
ML - MIDDLETON LITTLE	W - WHINMOOR	HB - HARD BED
MM - MIDDLETON MAIN	32Y - 32 YARD	MB - MIDDLE BAND
WL - WHEATLEY LIME	22Y - 22 YARD	SB - SOFT BED
MY - MIDDLETON ELEVEN	CR - CROW	PC - POT CLAY

RISK ASSESSMENT

- Negligible risk
- Possible risk
- Possible risk
- High risk

Notes
1) Where risk assessment boxes overlap, the colours have a different transparency and may appear darker, This is not related to any difference in the risk categories.
2) Numbers in risk assessment bars are MRMR assessment scores (See Appendix A)

PROPOSED MITIGATIONS

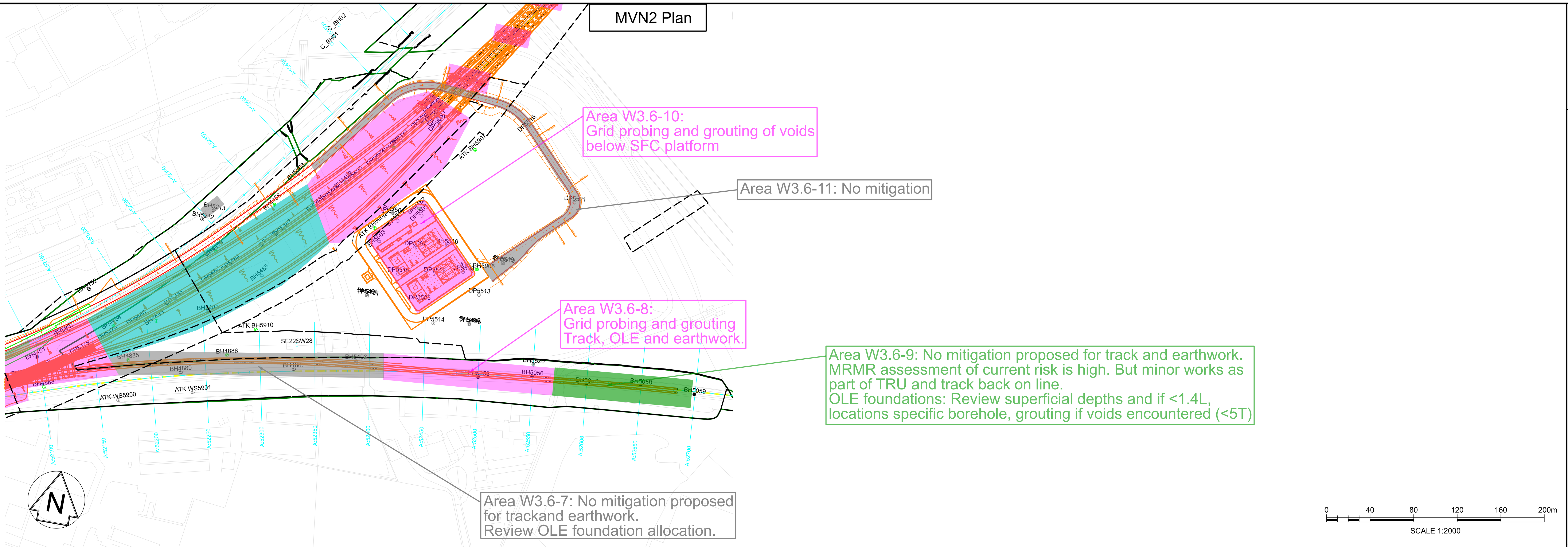
- Grid probing & grouting
- Track bed reinforcement & OLE review foundation review allocation.
- Track bed reinforcement/ OLE review superficial &/or borehole & grout
- OLE review superficial depths and if <1.4L, location specific borehole, grouting if voids encountered (<5T). No track or other mitigation
- Overdig to remove seam and replace,and/or face treatment
- Shaft/Well/Adit - further assessment (see specific box on plan for further detail)
- No mitigation and review OLE foundation allocation/ no mitigation

Notes:
1) Mitigation areas are given in proposed mitigation bars (See Appendix C for detail)

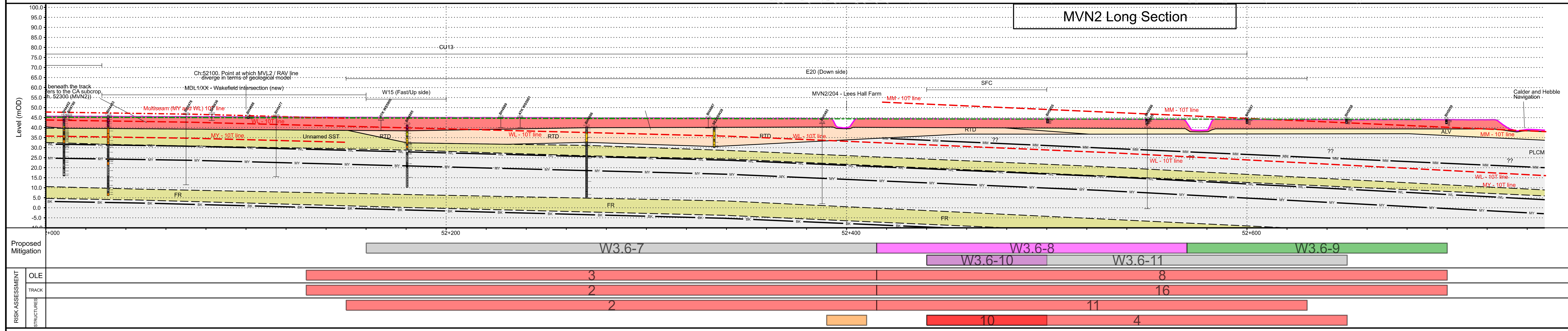
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
	Status				Suitability

NetworkRail

Authorised		Signed	Date
Contractor(s)	TRU West Alliance		
Location	MULTIPLE ELR		
Type	CAD Drawing	Sub-type	
Role	Civil Engineer	Sub-Role	Ground Engineering
Zone	Project W3 Holistic		
Phasing		Project Stage	
Project	Transpennine Route Upgrade		
Contract No.	151667		
Contract Title	West of Leeds		
Drawing Title	W3.6a (Ravensthorpe Long Section) Mining Risk Mitigation Report Plan, section and outcomes		
Designed		Signed	Date
Drawn		Signed	Date
Checked		Signed	Date
Approved		Signed	Date
Scale(s)		ELR & Mileage	to
Alternative Reference			Sheet of
Drawing Number	FIGURE B6a		Revision A01



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Proposed Mitigation

RISK ASSESSMENT: OLE / TRACK / STRUCTURES

PLAN LEGEND
- Proposed works
- Long section centreline
- Existing
- Ordnance survey data
- Indicative Network Rail land boundary
- Redline Boundary
- Limit of Deviation
- 415418-005 Shaft reference and possible zone of influence
- 422419-014 Adit position, direction, variation in possible position, and reference

BOREHOLE TYPE
- Borehole + dynamic probe
- Cable Percussion (shell and auger)
- Cable percussion + Rotary core
- Rotary open hole
- Rotary core
- Window sample
- Dynamic (windowless) sampler
- Concrete core
- Borehole (unknown type)
- Trial pit/trench
- Inspection pit
- Dynamic Probe sampling
- Geophysics
- Automatic ballast sampler

INVESTIGATION PHASE
- GRIP 4 GI Phase
- TWAO GI Phase
- GRIP 3 GI Phase
- Historical information
- GI not yet undertaken

PROFILE SYMBOLS
- Strata boundary
- Strata boundary - uncertain
- Coal seam
- Seam depth and thickness (in metres) data from mine plans (number relates to background reference data)
- Coal seam - uncertain
- Geological fault (with throw)
- 10x Seam thickness offset
- Proposed borehole - yet to be undertaken
- Proposed fast line rail level
- Proposed slow line rail level

Note: See GIR long sections for details of borehole stick symbology

SUPERFICIAL GEOLOGY
- MGR - Made ground
- ALV - Alluvial deposits
- HEAD - Head deposits
- RTD - River Terrace deposits
- SUPER - Superficial deposits

BEDROCK GEOLOGY
- PLCM - Pennine Lower Coal Measures - Undifferentiated
- PLCM - Pennine Lower Coal Measures - Sandstone Named units: BR - Birstall rock, LER - Lepton Edge Rock, CR - Clifton Rock
- R+RF -Rough Rock and Rough Rock Flags
- MG - Millstone Grit

COAL SEAM CODES

1BM - 1ST BROWN METAL	BK - BLOCKING	BL - BLACK BED
2BM - 2ND BROWN METAL	LFT - LINFIT LOUSEY	BB - BETTER BED
3BM - 3RD BROWN METAL	SH - SHERTCLIFFE	36Y - 36 YARD
ML - MIDDLETON LITTLE	W - WHINMOOR	HB - HARD BED
MM - MIDDLETON MAIN	32Y - 32 YARD	MB - MIDDLE BAND
WL - WHEATLEY LIME	22Y - 22 YARD	SB - SOFT BED
MY - MIDDLETON ELEVEN	CR - CROW	PC - POT CLAY

RISK ASSESSMENT
- Negligible risk
- Possible risk
- Possible risk
- High risk

Notes
1) Where risk assessment boxes overlap, the colours have a different transparency and may appear darker. This is not related to any difference in the risk categories.
2) Numbers in risk assessment bars are MRMR assessment scores (See Appendix A)

PROPOSED MITIGATIONS
- Grid probing & grouting
- Track bed reinforcement & OLE review foundation review allocation.
- Track bed reinforcement OLE: review superficial &/or borehole & grout
- OLE review superficial depths and if <1.4L, location specific borehole, grouting if voids encountered (<5T). No track or other mitigation.
- Overdig to remove seam and replace,and/or face treatment
- Shaft/Well/Adit - further assessment (see specific box on plan for further detail)
- No mitigation and review OLE foundation allocation/ no mitigation

Notes:
1) Mitigation areas are given in proposed mitigation bars (See Appendix C for detail)

Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Status | Suitability

NetworkRail

Authorised		Signed	Date

Contractor(s): TRU West Alliance

Location: MULTIPLE ELR

Type: CAD Drawing | Sub-type:

Role: Civil Engineer | Sub-Role: Ground Engineering

Zone: Project W3 Holistic

Phasing: | Project Stage:

Project: Transpennine Route Upgrade

Contract No.: 151667

Contract Title: West of Leeds

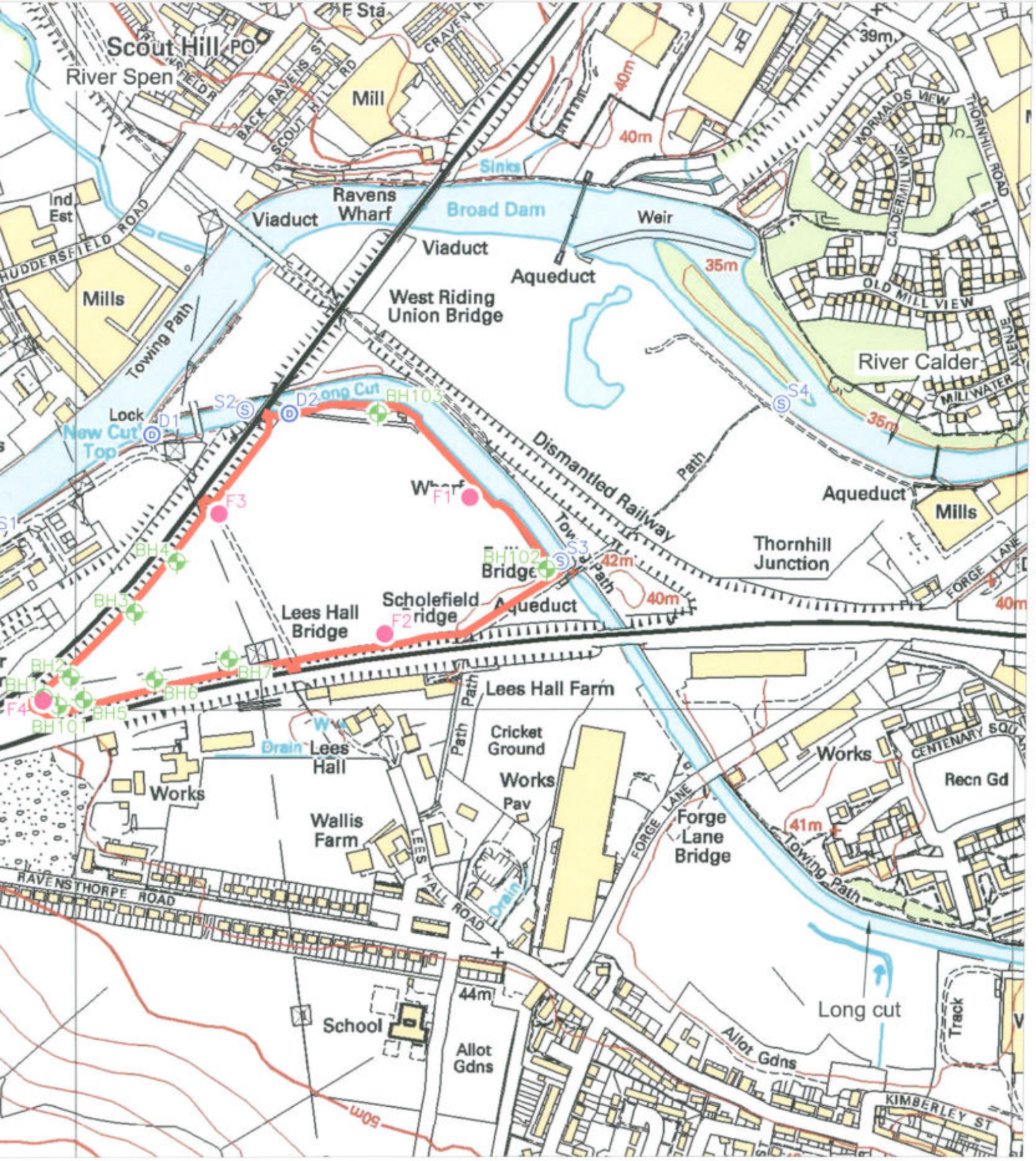
Drawing Title: W3.6b (MVN2) Mining Risk Mitigation Report Plan, section and outcomes

Designed		Signed	Date
Drawn		Signed	Date
Checked		Signed	Date
Approved		Signed	Date

Scale(s): | ELR & Mileage: to

Alternative Reference: | Sheet: of

Drawing Number: FIGURE B6b | Revision: A01



Pollution Prevention and Control (PPC) permit application boundary

BH1 Approximate location of a groundwater monitoring borehole

S1 Approximate location of a surface water monitoring location

D1 Approximate location of a discharge point

F1 Fibre monitoring locations. Fibre monitoring also is carried out in the operational area

Site: THORNHILL QUARRY LANDFILL SITE			
Client: Demex			
Title: The environmental monitoring locations			
Drawing Reference: DEM/DE/05-06/12964		Drawing Number: Figure 11	Scale: 1:5,000
Date: 12/05/2006	Drawn by: KR	Approved by: CJC	Checked by:

Thornhill Quarry, Calder Road, Ravensthorpe, Dewsbury, West Yorkshire, WF12 6EA

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APPENDIX B – GROUND INVESTIGATION FACTUAL REPORTS

Submitted under separate cover

APPENDIX C – DEFINITIONS OF RISK PROBABILITY AND CONSEQUENCE

The assessment of risks related to the identified potential contamination linkages is based on the methodology presented in the National House Building Council/Environment Agency report R&D66[3] (that follows the principles presented in CIRIA's C552[4]), which provide guidance on the development and application of a consequence and probability matrix for land contamination risk assessment. Definitions of probability, consequence and the risk classification matrix adopted for this assessment are provided in the tables below.

Although R&D66 was produced to inform residential developments, the methodology and criteria for assessing contamination risks is applicable to other types of developments and provides more detailed classification descriptions than C552.

Classification of probability

Classification	Definition of the probability of harm/pollution occurring
High Likelihood	The pollutant linkage exists, and it is very likely to result in harm/pollution in the short term, and/or will almost inevitably result in harm/pollution in the long term, and/or there is current evidence of harm/pollution. Likelihood is defined as more likely than not and meets the definition of 'significant possibility' under Part 2A of the Environmental Protection Act (EPA)1990.
Likely	The source, pathway and receptor exist for the pollutant linkage and it is probable that harm/pollution will occur. Circumstances are such that harm/pollution is not inevitable, but possible in the short term and likely over the long term. Likelihood is defined as reasonably possible and meets the definition of 'significant possibility' under Part 2A of EPA 1990.
Low Likelihood	The source, pathway and receptor exist, and it is possible that harm/pollution could occur. Circumstances are such that harm/pollution is by no means certain in the long term and less likely in the short term.
Unlikely	The source, pathway and receptor exist for the pollutant linkage, but it is improbable that harm/pollution will occur even in the long term.

Definition of consequence

Classification	Definition of consequence
Human health receptors – site end use or other more sensitive receptor	
Severe	Acute damage to human health based on the effects on the critical human health receptor. Concentrations of contaminants above appropriate site-specific assessment criteria. Harm meets definition of 'significant harm' under Part 2A of EPA 1990.
Medium	Chronic damage to human health based on the effects on the critical human health receptor. Concentrations of contaminants above appropriate site-specific assessment criteria. Harm meets definition of 'significant harm' under Part 2A of EPA 1990.
Mild	No appreciable impact on human health based on the potential effects on the critical human health receptor. Concentrations of contaminants above generic assessment criteria but below appropriate site-specific assessment criteria.
Minor	No appreciable impact on human health based on the effects on the critical human health receptor. Concentrations of contaminants below appropriate generic assessment criteria.
Controlled water receptors	

[3] National House Building Council (NHBC) and EA report R&D66 – guidance for the safe development of housing on land effected by contamination, 2008

[4] Construction Industry Research and Information Association (CIRIA) C552 – Contaminated Land Risk Assessment – A Guide to Good Practice 2001

Classification	Definition of consequence
Severe	Pollution of a Principal aquifer within a source protection zone or potable supply characterised by a breach of DWS. Pollution of a surface water course characterised by a breach of an Environmental Quality Standards (EQS) at a statutory monitoring location or resulting in a change in General Quality Assessment (GQA) grade of river reach. Discharge of a List I or List II substance to groundwater. Pollution meets Part 2A definition.
Medium	Pollution of a Principal aquifer outside a source protection zone or a Secondary A aquifer characterised by a breach of DWS. Pollution of an industrial groundwater abstraction or irrigation supply that impairs its function. Substantial pollution but insufficient to result in a change in the GQA grade of river reach. Pollution meets Part 2A definition.
Mild	Low levels of pollution of a Principal aquifer outside a source protection zone or an industrial abstraction, or pollution of a Secondary aquifer. Low levels of pollution insufficient to result in a change in the GQA grade of river reach, pollution of a surface water course without a quality classification.
Minor	No appreciable pollution, or pollution of a low sensitivity receptor such as a non-aquifer or a surface water course without a quality classification.
Property receptors – buildings, foundations and services	
Severe	Catastrophic damage to buildings, such as explosion. Catastrophic failure of foundations and services. Substantial damage to a Scheduled Monument significantly impairing the by reason of which the monument is scheduled. Harm meets definition of ‘significant harm’ under Part 2A of EPA 1990.
Medium	Substantial damage to buildings and foundations rendering the structures unsafe. Substantial damage to services impairing their function. Significant damage to a Scheduled Monument significantly impairing the reason of which the monument is scheduled. Harm meets definition of ‘significant harm’ under Part 2A of EPA 1990.
Mild	Significant damage to buildings and foundations but not resulting in them being unsafe for occupation. Damage to services but not sufficient to impair their function. Damage to a Scheduled Monument but no significant impairment to the reason of which the monument is scheduled.
Minor	Easily repairable damage to buildings, foundations and services.

Classification of consequence

Classification	Definition of risk
Very High Risk	There is a high probability that severe harm may arise to a designated receptor or there is evidence that severe harm to a designated receptor is currently happening. This risk is likely to result in a substantial liability. Urgent investigation (if not already undertaken) and remediation are likely to be required.
High Risk	Harm is likely to arise to a designated receptor. Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not already undertaken) is required, and remedial works may be necessary in the short term and are likely over the longer term.
Moderate Risk	It is possible that harm may arise to a designated receptor. It is either relatively unlikely that any such harm will be severe, or if any harm were to occur, it is more likely that the harm will be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.
Low Risk	It is possible that harm will arise to a designated receptor, but it is likely that this harm will be mild. Further investigation is not necessarily required and should be considered to confirm that there is no unanticipated contamination present.
Very Low Risk	The possibility of harm to the designated receptor is either not plausible or, if the possibility of harm is plausible, risk is considered to be very unlikely with attenuation along the exposure pathway. Further investigation is not necessarily required and may be considered to confirm that there is no unanticipated contamination present.

The following table provides the qualitative risk matrix, based on CIRIA guidance, in which the likelihood or probability of each contaminant linkage being realised is ranked against the severity of the consequences. The result is the relative risk classification, the results of which can inform the due diligence process and allow prioritisation of any further assessments or the implementation of risk management measures.

Qualitative Risk Matrix

Risk Matrix	Severity of consequence			
	Severe	Medium	Mild	Minor
High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate/Low Risk
Likely	High Risk	Moderate Risk	Moderate/Low Risk	Low Risk
Low Likelihood	Moderate Risk	Moderate/Low Risk	Low Risk	Very Low Risk
Unlikely	Moderate/Low Risk	Low Risk	Very Low Risk	Very Low Risk

APPENDIX D – GQRA SCREENING SHEETS

Assessment Criteria : *Drinking Water Standard England and Wales/WHO*

CaCO (mg/l): 0.00 pH 0.00

Calcium (mg/l): 0.00 DOC (mg/l) 0.00 Catchment area: Drinking Water Standard

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences		Zone																																																		
									Location																																																		
									Sample ID		POND SAMPLE	CANAL SAMPLE	SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4	D1	SW1	SW2	SW3	SW4	D1	SW1	SW2	SW3	SW4	D1	S1	S2	S3	S4	S1	S2	S3	S4	SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4	S1	S2	S3	S4	
									Depth		4.5m	6m	4.5m	4m	3.5m	3.5m	4m	3m	3m	3.5m	3m	4.5m	5m	8.4m	6.9m	4.8m	7.9m	13.2m	7.5m	5.5m	20.5m	5m	5m	5m																										
									Date		44216	44216	43754	43754	43754	43754	43452	43452	43452	43452	43452	43490	43490	43490	43490	43490	43521	43521	43521	43521	43521	43545	43545	43545	43545	43572	43572	43572	43572	43607	43607	43607	43607	43643	43643	43643	43643	43663	43663	43663	43663	43690	43690	43690	43690	43726	43726	43726	43726	
									Strata		Coal Measures	Clay, sand & Gravel	Clay & Gravel	Gravel & Clay	Clay & Gravel	Clay & Gravel	Gravel	Clay & Gravel	Sand & Gravel	Gravel	Clay, Sand & Gravel	Gravel	Clay & Gravel	Landfill	Landfill	Landfill	Landfill	Gravel	Landfill	Landfill	Coal Measures	Sand & Gravel	Clay & Sand	Silt & Sand			Clay & Gravel	Silt & Sand	Clay, sand & Gravel					Clay & Gravel	Silt & Sand						Silt & Sand	Clay, sand & Gravel						Clay & Gravel	Silt & Sand	
pH	pH	0.01	6.5-9.5	49	6.5	7.8	0				7.68	7.11	7.2	6.7	6.9	7.2	7.8	7.6	7.4	7.3	7.2	7.5	7.3	7.2	7.2	7.4	7	7.2	7.1	7.2	7.3	7.7	7.6	7.5	7.4	6.5	6.7	6.7	6.7	7.2	7.1	7.1	7.1	7.8	7.7	7.7	7.7	7.4	7.2	7.1	7.2	7.5	7.4	7.3	7.3	7.3	7.1	6.8	7.3	49
pH BRE	pH	0.01	No WSV	49	0	0	0																																																					0
Hardness Total			No WSV	49	43	43	0					43																																																1
Ammoniacal nitrogen as N	mg/l	0.02	0.39	49	<0.015	0.94	2	SW3, 3.5m; S3			0.11		<0.015	0.15	0.94	<0.015	<0.015	<0.015	0.15	<0.015	0.099	<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	<0.015	<0.015	0.14	0.11	<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	0.068	0.74	0.13	48
Ammonia (Free Unionised) as N (w) at 25degC	mg/l	0.000036	No WSV	49	64	64	0				64																																																	1
Ammonia / Ammoniacal Nitrogen as NH3	mg/l	0.024	No WSV	49	0	0	0																																																					0
Sulphate	mg/l	1	250	49	<0.005	74	0				<0.005																					41	41	41	41					74	73	71	74	50	46	49	45													13
Sulphate BRE	mg/l	1	No WSV	49	<0.005	<0.005	0				<0.005																																																	1
Cyanide (free)	mg/l	0.005	See Cyanide (total)	49	3.4	3.4	0					3.4																																																1
Cyanide (total)	mg/l	0.005	0.05	49	<1	<1	0				<1																																																	1
Antimony	mg/l	0.001	0.005	49	<1	<1	0				<1																																																	1
Arsenic	mg/l	0.001	0.01	49	41	41	1	POND SAMPLE, 4.5m			41																																																	1
Boron	mg/l	0.01	1	49	<0.2	<0.2	0				<0.2																																																	1
Cadmium	mg/l	0.0002	0.005	49	0.03	12	3	CANAL SAMPLE, 6m; S1, 5m; S2, 5m				12																				0.03	0.05	<0.03	<0.03					<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03													13
Copper	mg/l	0.001	2	49	1.6	14	6	POND SAMPLE, 4.5m; S1, 5m; S3, 5m; SW2; SW3; SW1			14																					2.3	1.8	2.2	1.9					2	2.5	2.3	1.6	2.1	2	2	2													13
Chromium	mg/l	0.001	0.05	49	<0.25	1.1	11	S1, 5m; S2, 5m; S3, 5m; S4; SW1; SW2; SW3; SW1; SW2; SW3; SW4			<1																					0.76	0.69	0.62	0.62					0.71	0.85	0.93	<0.25	1.1	0.77	0.71	0.68													13
Chromium	mg/l	0.01	0.05	49	<0.02	<0.02	0				<0.02																																																	1
Lead	mg/l	0.001	0.01	49	<0.09	<1	9	S1, 5m; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4			<1																					0.23	<0.09	<0.09	<0.09					0.3	0.44	0.93	0.2	0.56	0.46	0.72	0.54													13
Magnesium	mg/l	1	N/A	49	5.8	17	0				12																					13	13	17	8.9					6.2	6.3	6.1	11	6.1	5.8	5.9	6													13
Mercury	mg/l	0.0001	0.001	49	<0.1	<0.1	0				<0.1																																																	1
Nickel	mg/l	0.001	0.02	49	1	4.9	13	POND SAMPLE, 4.5m; S1, 5m; S2, 5m; S3, 5m; S4; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4			1																					2.2	2.7	2.3	2.4					3.2	3.4	3.2	4.9	2.9	2.3	2.2	2.2													13
Potassium	mg/l	1.2	N/A	49	3.7	9.6	0				7																					3.9	4.3	3.7	3.8					9.6	9.6	5.8	5	8.5	6.5	8	6.4													13
Selenium	mg/l	0.001	0.01	49	<1	<1	0				<1																																																	1
Zinc	mg/l	0.001	3	49	5	440	13	POND SAMPLE, 4.5m; S1, 5m; S2, 5m; S3, 5m; S4; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4			5																					9.9	12	7.7	10					23	13	15	440	7.8	8.9	9.2	14													13
PAH 16MS																																																												0
Acenaphthene	mg/l	0.00001	See BaP	49	<0.01	<0.01	0				<0.01																																																	1
Acenaphthylene	mg/l	0.00001	See BaP	49	<0.01	<0.01	0				<0.01																																																	1
Anthracene	mg/l	0.00001	See BaP	49	<0.01	<0.01	0				<0.01																																																	1
Benzo(a)anthracene	mg/l	0.00001	See BaP	49	<0.01	<0.01	0				<0.01																																																	1
Benzo(a)pyrene	mg/l	0.00001	0.00001	49	<0.01	<0.01	0				<0.01																																																	1
Benzo(b)fluoranthene	mg/l	0.00001	See PAH Sum of 4	49	<0.01	<0.01	0				<0.01																																																	1
Benzo(ghi)perylene	mg/l	0.00001	See PAH Sum of 4	49	<0.01	<0.01	0				<0.01																																																	1
Benzo(k)fluoranthene	mg/l	0.00001	See PAH Sum of 4	49	<0.01	<0.01	0				<0.01																																																	1
Chrysene	mg/l	0.00001	See BaP	49	<0.01	<0.01	0				<0.01																																																	1
Dibenzo(ah)anthracene	mg/l	0.00001	No WSV	49	<0.01	<0.01	0				<0.01																																																	1
Fluoranthene	mg/l	0.00001	See BaP	49	<0.01	<0.01	0				<0.01																																																	1
Fluorene	mg/l	0.00001	See BaP	49	<0.01	<0.01	0				<0.01																																																	1
Indeno(123-cd)pyrene	mg/l	0.00001	See PAH Sum of 4	49	<0.01	<0.01	0				<0.01																																																	1
Naphthalene	mg/l	0.00001	See BaP	49	<0.01	<0.01	0				<0.01																																																	1
Phenanthrene	mg/l	0.00001	See BaP	49	0.01	0.01	0				0.01																																																	1
Pyrene	mg/l	0.00001	See BaP	49	<0.01	<0.01	0				<0.01																																																	1
Total PAH 16MS	mg/l	0.00001	No WSV	49	0.01	0.01	0				0.01																																																	1
SVOC (excluding PAH-16)																																																												0
2,4,5-Trichlorophenol	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
2,4,6-Trichlorophenol	mg/l	0.001	0.2	49	<1	<1	0				<1																																																	1
2,4-Dichlorophenol	mg/l	0.001	N/A	49	<1	<1	0				<1																																																	1
2,4-Dimethylphenol	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
2,4-Dinitrotoluene	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
2,6-Dinitrotoluene	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
2-Chloronaphthalene	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
2-Chlorophenol	mg/l	0.001	0.3	49	<1	<1	0				<1																																																	1
2-Methylnaphthalene	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
2-Methylphenol	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
2-Nitrophenol	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
4-Bromophenyl phenyl ether	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
4-Chloro-3-methylphenol	mg/l	0.001	N/A	49	<1	<1	0				<1																																																	1
Bis(2-chloroisopropyl)ether	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
3+4-Methylphenol	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
4-Nitrophenol	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
Bis(2-chloroethyl)ether	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
Bis(2-chloroethoxy)methane	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
Bis(2-ethylhexyl)phthalate	mg/l	0.01	No WSV	49	<10	<10	0				<10																																																	1
Butylbenzyl phthalate	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
Carbazole	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
Dibenzofuran	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
n-Dibutylphthalate	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
n-Dioctylphthalate	mg/l	0.01	No WSV	49	<10	<10	0				<10																																																	1
n-Nitroso-n-dipropylamine	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
Diethyl phthalate	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
Dimethyl phthalate	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
Hexachlorobenzene	mg/l	0.001	0.00005	49	<1	<1	0				<1																																																	1
Pentachlorophenol (SVOC)	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
Phenol	mg/l	0.001	0.05	49	<1	<1	0				<1																																																	1
Hexachloroethane	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
Nitrobenzene	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
Isophorone	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
Hexachlorocyclopentadiene	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
Perylene	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
VOC	mg/l	0	No WSV	49	0	0	0																																																					0
Dichlorodifluoromethane	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
Chloromethane	mg/l	0.01	No WSV	49	<<1	<10	0				<10		<1	<1	<1	<1																																												5
Vinyl Chloride	mg/l	0.001	0.0005	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
Bromomethane	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
Chloroethane	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
Trichlorofluoromethane	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
trans 1,2-Dichloroethene	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																		1
Dichloromethane	mg/l	0.005	0.02	49	<5	<5	0				<5																																																	1
Carbon Disulphide	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
1,1-Dichloroethene	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
1,1-Dichloroethane	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
cis 1,2-Dichloroethene	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
Bromochloromethane	mg/l	0.005	No WSV	49	<<4	<5	0				<5		<4	<4	<4	<4																																												5
Chloroform	mg/l	0.001	See Trihalomethanes	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
2,2-Dichloropropane	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
1,2-Dichloroethane	mg/l	0.002	0.003	49	<<1	<2	0				<2		<1	<1	<1	<1																																												5
1,1,1-Trichloroethane	mg/l	0.001	N/A	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
1,1-Dichloropropene	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
Benzene	mg/l	0.001	0.001	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
Carbon Tetrachloride	mg/l	0.001	0.004	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
Dibromomethane	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
1,2-Dichloropropane	mg/l	0.001	0.04	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
Bromodichloromethane	mg/l	0.01	See Trihalomethanes	49	<<4	<10	0				<10		<4	<4	<4	<4																																												5
Trichloroethene	mg/l	0.001	0.01 (sum of TCE & PCE)	49	<1	<1	0				<1																																																	1
cis 1,3-Dichloropropene	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
trans 1,3-Dichloropropene	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
1,1,2-Trichloroethane	mg/l	0.001	N/A	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
Toluene	mg/l	0.001	0.7	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
1,3-Dichloropropane	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
Dibromochloromethane	mg/l	0.003	See Trihalomethanes	49	<<1	<3	0				<3		<1	<1	<1	<1																																												5
1,2-Dibromoethane	mg/l	0.001	0.0004	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
Tetrachloroethene	mg/l	0.001	0.01 (sum of TCE & PCE)	49	<1	<1	0				<1																																																	1
1,1,1,2-Tetrachloroethane	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
Chlorobenzene	mg/l	0.001	N/A	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
Ethylbenzene	mg/l	0.001	0.3	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
m & p Xylene	mg/l	0.001	No WSV	49	<1	<2	0				<1		<2	<2	<2	<2																																												5
Bromoform	mg/l	0.001	See Trihalomethanes	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
Styrene	mg/l	0.001	0.02	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
1,1,2,2-Tetrachloroethane	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
o-Xylene	mg/l	0.001	See Xylenes (total)	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
1,2,3-Trichloropropane	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
Isopropylbenzene	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
Bromobenzene	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
2-Chlorotoluene	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
n-propylbenzene	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
4-Chlorotoluene	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
1,2,4-Trimethylbenzene	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
4-Isopropyltoluene	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
1,3,5-Trimethylbenzene	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
1,2-Dichlorobenzene	mg/l	0.001	1	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
1,4-Dichlorobenzene	mg/l	0.001	0.3	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
sec-Butylbenzene	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
tert-Butylbenzene	mg/l	0.002	No WSV	49	<<1	<2	0				<2		<1	<1	<1	<1																																												5
1,3-Dichlorobenzene	mg/l	0.001	No WSV	49	<1	<2	0				<1		<2	<2	<2	<2																																												5
n-butylbenzene	mg/l	0.001	No WSV	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
1,2-Dibromo-3-chloropropane	mg/l	0.002	0.001	49	<<1	<2	0				<2		<1	<1	<1	<1																																												5
1,2,4-Trichlorobenzene	mg/l	0.003	No WSV	49	<<1	<3	0				<3		<1	<1	<1	<1																																												5
1,2,3-Trichlorobenzene	mg/l	0.003	No WSV	49	<<1	<3	0				<3		<1	<1	<1	<1																																												5
Hexachlorobutadiene	mg/l	0.001	0.0006	49	<1	<1	0				<1		<1	<1	<1	<1																																												5
TPH CWG																																																												0
Aliphatic TPH >C5-C6	mg/l	0.001	15	49	<1	<1	0				<1																																																	1
Aliphatic TPH >C6-C8	mg/l	0.001	15	49	<1	<1	0				<1																																																	1
Aliphatic TPH >C8-C10	mg/l	0.005	0.3	49	<10	<10	0				<10																																																	1
Aliphatic TPH >C10-C12	mg/l	0.005	0.3	49	<5	<5	0				<5																																																	1
Aliphatic TPH >C12-C16	mg/l	0.005	0.3	49	<5	<5	0				<5																																																	1
Aliphatic TPH >C16-C21	mg/l	0.005	N/A	49	<5	<5	0				<5																																																	1
Aliphatic TPH >C21-C35	mg/l	0.005	N/A	49	9	9	0				9																																																	1
Total Aliphatics	mg/l	0.005	No WSV	49	14	14	0				14																																																	1
Aromatic TPH >C5-C7	mg/l	0.001	0.01	49	<1	<1	0				<1																																																	1
Aromatic TPH >C7-C8	mg/l	0.001	0.7	49	<1	<1	0				<1																																																	1
Aromatic TPH >C8-C10	mg/l	0.005	0.3	49	<10	<10	0				<10																																																	1
Aromatic TPH >C10-C12	mg/l	0.005	0.09	49	<5	<5	0				<5																																																	1
Aromatic TPH >C12-C16	mg/l	0.005	0.09	49	<5	<5	0				<5																																																	1
Aromatic TPH >C16-C21	mg/l	0.005	0.09	49	<5	<5	0				<5																																																	1
Aromatic TPH >C21-C35	mg/l	0.01	0.09	49	28	28	1	POND SAMPLE, 4.5m			28																																																	1
Total Aromatics	mg/l	0.01	No WSV	49	34	34	0				34																																																	1
TPH (Ali & Aro >C5-C35)	mg/l	0.01	No WSV	49	48	48	0				48																																																	1
Benzene	mg/l	0.001	0.001	49	<1	<1	0				<1																																																	1
Toluene	mg/l	0.001	0.7	49	<1	<1	0				<1																																																	1
Ethyl Benzene	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
m & p Xylene	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
o Xylene	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
MTBE	mg/l	0.001	No WSV	49	<1	<1	0				<1																																																	1
VOCs																																																												0
Dichlorodifluoromethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Chloromethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Vinyl Chloride	mg/l	0.000001	0.0005	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Bromomethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Chloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Trichlorofluoromethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
1,1-dichloroethylene	mg/l	0.000001	N/A	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Methylene Chloride	mg/l	0.000001	No WSV	49	<0.027	<0.027	0										<0.027	<0.027	<0.027	<0.027	<0.027		<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027		<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027					37
Cis-1,2-dichloroethene	mg/l	0.000001	No WSV	49	0	0	0																																																						0
Trans-1,2-dichloroethylene	mg/l	0.000001	N/A	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
1,1-dichloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Cis-1,2-dichloroethylene	mg/l	0.000001	N/A	49	<0.001	0.017	0										<0.001	<0.001	<0.001	<0.001	0.017		<0.001	<0.001	<0.001	0.01	<0.001	<0.001	<0.001	<0.001	0.014	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
2,2-dichloropropane	mg/l	0.000001	No WSV	49	<0.002	<0.002	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	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	41
Bromochloromethane	mg/l	0.000001	No WSV	49	<0.004	<0.004	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	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	41
Chloroform	mg/l	0.000001	See Trihalomethanes	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
1,1,1-trichloroethane	mg/l	0.000001	N/A	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
1,1-dichloropropene	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Carbon tetrachloride	mg/l	0.000001	0.004	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Benzene	mg/l	0.000001	0.001	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
1,2-dichloroethane	mg/l	0.000001	0.003	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Trichloroethylene	mg/l	0.000001	0.01 (sum of TCE & PCE)	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
1,2-dichloropropane	mg/l	0.000001	0.04	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Dibromomethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Bromodichloromethane	mg/l	0.000001	See Trihalomethanes	49	<0.004	<0.004	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	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	41
cis-1,3-dichloropropene	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Toluene	mg/l	0.000001	0.7	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
trans-1,3-dichloropropene	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
1,1,2-trichloroethane	mg/l	0.000001	N/A	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Tetrachloroethylene	mg/l	0.000001	0.01 (sum of TCE & PCE)	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
1,3-dichloropropane	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Dibromochloromethane	mg/l	0.000001	See Trihalomethanes	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41

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Assessment Criteria :	Drinking Water Standard England and Wales/WHO				
CaCO (mg/l):	0.00	pH	0.00		
Calcium (mg/l):	0.00	DOC (mg/l)	0.00	Catchment area:	Drinking Water Standard

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences		Sample ID	POND SAMPLE	CANAL SAMPLE	SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4	D1	SW1	SW2	SW3	SW4	D1	SW1	SW2	SW3	SW4	D1	S1	S2	S3	S4	S1	S2	S3	S4	SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4	S1	S2	S3	S4	
										Location																																																		
										Depth	4.5m	6m	4.5m	4m	3.5m	3.5m	4m	3m	3m	3.5m	3m	4.5m	5m	8.4m	6.9m	4.8m	7.9m	13.2m	7.5m	5.5m	20.5m	5m	5m	5m																										
										Date	44216	44216	43754	43754	43754	43754	43452	43452	43452	43452	43452	43490	43490	43490	43490	43490	43521	43521	43521	43521	43521	43545	43545	43545	43545	43572	43572	43572	43572	43607	43607	43607	43607	43643	43643	43643	43643	43663	43663	43663	43663	43690	43690	43690	43690	43726	43726	43726	43726	
									Strata		Coal Measures	Clay, sand & Gravel	Clay & Gravel	Gravel & Clay	Clay & Gravel	Clay & Gravel	Gravel	Clay & Gravel	Sand & Gravel	Gravel	Clay, Sand & Gravel	Gravel	Clay & Gravel	Landfill	Landfill	Landfill	Landfill	Gravel	Landfill	Landfill	Coal Measures	Sand & Gravel	Clay & Sand	Silt & Sand			Clay & Gravel	Silt & Sand	Clay, sand & Gravel					Clay & Gravel	Silt & Sand						Silt & Sand	Clay, sand & Gravel						Clay & Gravel	Silt & Sand	
										Zone																																																			
1,2-dibromoethane	mg/l	0.000001	0.0004	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Chlorobenzene	mg/l	0.000001	N/A	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
1,1,1,2-tetrachloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Ethylbenzene	mg/l	0.000001	0.3	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
m+p-Xylene	mg/l	0.000001	No WSV	49	<0.002	<0.002	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	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	41
o-Xylene	mg/l	0.000001	See Xylenes (total)	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Styrene	mg/l	0.000001	0.02	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Bromoform	mg/l	0.000001	See Trihalomethanes	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Isopropylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
1,1,2,2-tetrachloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Bromobenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
1,2,3-trichloropropane	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
n-propylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
2-chlorotoluene	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
1,3,5-trimethylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
4-chlorotoluene	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Tert-butylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
1,2,4-trimethylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
sec-butylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
p-isopropyltoluene	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
1,3-dichlorobenzene	mg/l	0.000001	No WSV	49	<0.002	<0.002	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	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	41
1,4-dichlorobenzene	mg/l	0.000001	0.3	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
n-butylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
1,2-dichlorobenzene	mg/l	0.000001	1	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
1,2-dibromo-3-chloropropane	mg/l	0.000001	0.001	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
1,2,4-trichlorobenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Hexachlorobutadiene	mg/l	0.000001	0.0006	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
Naphthalene	mg/l	0.000001	See BaP	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
1,2,3-trichlorobenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
MTBE	mg/l	0.000001	No WSV	49	<0.001	<0.001	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	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	41
SVOCs																																																												0
Aniline	mg/l	0.00005	No WSV	49	0	0	0																																																						0
Phenol	mg/l	0.00005	0.05	49	0	0	0																																																						0
2-Chlorophenol	mg/l	0.00005	0.3	49	0	0	0																																																						0
Bis(2-chloroethyl)ether	mg/l	0.00005	No WSV	49	0	0	0																																																						0
1,3-Dichlorobenzene	mg/l	0.00005	No WSV	49	0	0	0																																																						0
1,2-Dichlorobenzene	mg/l	0.00005	1	49	0	0	0																																																						0
1,4-Dichlorobenzene	mg/l	0.00005	0.3	49	0	0	0																																																						0
Bis(2-chloroisopropyl)ether	mg/l	0.00005	No WSV	49	0	0	0																																																						0
2-Methylphenol	mg/l	0.00005	No WSV	49	0	0	0																																																						0
Hexachloroethane	mg/l	0.00005	No WSV	49	0	0	0																																																						0
Nitrobenzene	mg/l	0.00005	No WSV	49	0	0	0																																																						0
4-Methylphenol	mg/l	0.00005	No WSV	49	0	0	0																																																						0
Isophorone	mg/l	0.00005	No WSV	49	0	0	0																																																						0
2-Nitrophenol	mg/l	0.00005	No WSV	49	0	0	0																																																						0
2,4-Dimethylphenol	mg/l	0.00005	No WSV	49	0	0	0																																																						0
Bis(2-chloroethoxy)methane	mg/l	0.00005	No WSV	49	0	0	0																																																						0
1,2,4-Trichlorobenzene	mg/l	0.00005	No WSV	49	0	0	0																																																						0
Naphthalene	mg/l	0.00001	See BaP	49	0	0	0																																																						0
2,4-Dichlorophenol	mg/l	0.00005	N/A	49	0	0	0																																																						0
4-Chloroaniline	mg/l	0.00005	No WSV	49	0	0	0																																																						0
Hexachlorobutadiene	mg/l	0.00005	0.0006	49	0	0	0																																																						0
4-Chloro-3-methylphenol	mg/l	0.00005	N/A	49	0	0	0																																																						0
2,4,6-Trichlorophenol	mg/l	0.00005	0.2	49	0	0	0																																																						0
2,4,5-Trichlorophenol	mg/l	0.00005	No WSV	49	0	0	0																																																						0
2-Methylnaphthalene	mg/l	0.00005	No WSV	49	0	0	0																																																						0
2-Chloronaphthalene	mg/l	0.00005	No WSV	49	0	0	0																																																						0
Dimethylphthalate	mg/l	0.00005	N/A	49	0	0	0																																																						0
2,6-Dinitrotoluene	mg/l	0.00005	No WSV	49	0	0	0																																																						0
Acenaphthylene	mg/l	0.00001	See BaP	49	0	0	0																																																						0
Acenaphthene	mg/l	0.00001	See BaP	49	0	0	0																																																						0
2,4-Dinitrotoluene	mg/l	0.00005	No WSV	49	0	0	0																																																						0
Dibenzofuran	mg/l	0.00005	No WSV	49	0	0	0																																																						0
4-Chlorophenyl phenyl ether	mg/l	0.00005	No WSV	49	0	0	0																																																						0
Diethyl phthalate	mg/l	0.00005	No WSV	49	0	0	0																																																						0
4-Nitroaniline	mg/l	0.00005	No WSV	49	0	0	0																																																						0
Fluorene	mg/l	0.00001	See BaP	49	0	0	0																																																						0
Azobenzene	mg/l	0.00005	No WSV	49	0	0	0																																																						0
Bromophenyl phenyl ether	mg/l	0.00005	No WSV	49	0	0	0																																																						0
Hexachlorobenzene	mg/l	0.00005	0.00005	49	0	0	0																																																						0
Phenanthrene	mg/l	0.00001	See BaP	49	0	0	0																																																						0
Anthracene	mg/l	0.00001	See BaP	49	0	0	0																																																						0
Carbazole	mg/l	0.00005	No WSV	49	0	0	0																																																						0
Dibutyl phthalate	mg/l	0.00005	0.35	49	0	0	0																																																						0
Anthraquinone	mg/l	0.00005	No WSV	49	0	0	0																																																						0
Fluoranthene	mg/l	0.00001	See BaP	49	0	0	0																																																						0
Pyrene	mg/l	0.00001	See BaP	49	0	0	0																																																						0
Butyl benzyl phthalate	mg/l	0.00005	No WSV	49	0	0	0																																																						0
Benzo(a)anthracene	mg/l	0.00001	See BaP	49	0	0	0																																																						0
Chrysene	mg/l	0.00001	See BaP	49	0	0	0																																																						0
Benzo(b)fluoranthene	mg/l	0.00001	See PAH Sum of 4	49	0	0	0																																																						0
Benzo(k)fluoranthene	mg/l	0.00001	See PAH Sum of 4	49	0	0	0																																																						0
Benzo(a)pyrene	mg/l	0.00001	0.00001	49	0	0	0																																																						0
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	No WSV	49	0	0	0																																																						0
Dibenz(a,h)anthracene	mg/l	0.00001	See BaP	49	0	0	0																																																						0
Benzo(ghi)perylene	mg/l	0.00001	See PAH Sum of 4	49	0	0	0																																																						0
3&4-Methylphenol	mg/l	0.0001	No WSV	49	0	0	0																																																						0
Methane	mg/L	0.1	No WSV	49	0	0	0																																																						0

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Assessment Criteria :	Drinking Water Standard England and Wales/WHO		
CaCO (mg/l): 0.00	pH 0.00		
Calcium (mg/l): 0.00	DOC (mg/l) 0.00	Catchment area:	Drinking Water Standard

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
pH	pH	0.01	6.5-9.5	80	5.9	13.19	7	BH4456, 4.5m; BH5, 5m; BH102, 6.08m; BH4454, 6m; BH4456, 5m; BH5, 5m; BH4456, 5m
pH BRE	pH	0.01	No WSV	79	7.31	8.26	0	
Hardness Total			No WSV	76	130	340	0	
Ammoniacal nitrogen as N	mg/l	0.02	0.39	74	<0.015	23	34	BH4456, 4.5m; BH4460, 20.5m; BH4463, 5m; BH103, 5m; BH101; BH103; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH2, 5.5m; BH3, 5.5m; BH4, 4.5m; BH5, 5m; BH101, 6m; BH103, 5.75m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH4463, 6.8m; QAQC1, None Suppliedm
Ammonia (Free Unionised) as N (w) at 25degC	mg/l	0.000036	No WSV	74	1.56843	567	0	
Ammonia / Ammoniacal Nitrogen as NH3	mg/l	0.024	No WSV	79	<0.024	567	0	
Sulphate	mg/l	1	250	80	<0.005	590	28	BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4; BH101; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4461, 11.25m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH101, 6m; BH4454, 6m
Sulphate BRE	mg/l	1	No WSV	79	<0.005	472	0	
Cyanide (free)	mg/l	0.005	See Cyanide (total)	76	<0.005	2.4	0	
Cyanide (total)	mg/l	0.005	0.05	80	<0.005	6	4	QAQC2 - Blank, None Suppliedm; BH4456, 5m; BH4461, 11.25m; BH4456, 5m
Antimony	mg/l	0.001	0.005	80	0.4	3	19	BH4460, 20.5m; BH4463, 5m; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH5, 5m; BH6, 4.5m; BH102, 6.08m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH1, 6m; BH6, 4.5m; BH103, 5.75m; BH4456, 5m; BH4460, 13.75m; BH4463, 6.8m; QAQC1, None Suppliedm
Arsenic	mg/l	0.001	0.01	80	0.15	536	28	BH4885, 4m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH103, 5.75m; BH4456, 5m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH4, 5.5m; BH6, 4.5m; BH103, 5.75m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH4463, 6.8m; QAQC1, None Suppliedm
Boron	mg/l	0.01	1	80	<0.2	490	45	BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm
Cadmium	mg/l	0.0002	0.005	76	0.02	1.5	36	BH4, 6m; BH3, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm
Copper	mg/l	0.001	2	80	0.4	150	40	BH4456, 4.5m; BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4463, 7m; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH1, 6m; BH4, 5.5m; BH5, 5m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH7, 4.35m
Chromium	mg/l	0.001	0.05	80	0.2	56	22	BH4456, 4.5m; BH4, 6m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH4, 5.5m; BH4456, 5m; BH7, 4.35m
Chromium	mg/l	0.01	0.05	80	<0.01	<5	6	BH1, 6m; BH4, 5.5m; BH5, 5m; BH102, 6.08m; BH4454, 6m; BH4456, 5m
Lead	mg/l	0.001	0.01	80	<0.09	15	9	BH4456, 4.5m; BH3, 3.5m; BH7, 3m; BH4460, 20.5m; BH4463, 7m; BH5, 5m; BH4456, 5m; BH5, 5m; BH4456, 5m
Magnesium	mg/l	1	N/A	80	0.037	5300	0	
Mercury	mg/l	0.0001	0.001	80	<<0.05	<0.2	0	
Nickel	mg/l	0.001	0.02	80	0.7	53	56	BH4456, 4.5m; BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4; BH101; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm
Potassium	mg/l	1.2	N/A	80	5	69	0	
Selenium	mg/l	0.001	0.01	80	<0.6	16	12	BH4456, 4.5m; BH5, 3m; BH102, 5m; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH102, 6.08m; BH4456, 5m; BH4456, 5m; BH4463, 6.8m; QAQC1, None Suppliedm
Zinc	mg/l	0.001	3	80	2	33	48	BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4; BH101; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH7, 4.35m
PAH 16MS								
Acenaphthene	mg/l	0.00001	See BaP	80	0.01	1.04	0	
Acenaphthylene	mg/l	0.00001	See BaP	80	<0.01	0.02	0	
Anthracene	mg/l	0.00001	See BaP	80	<0.01	0.02	0	
Benzo(a)anthracene	mg/l	0.00001	See BaP	80	0.01	0.01	0	
Benzo(a)pyrene	mg/l	0.00001	0.00001	80	<0.01	<0.01	0	
Benzo(b)fluoranthene	mg/l	0.00001	See PAH Sum of 4	80	0.01	0.01	0	
Benzo(ghi)perylene	mg/l	0.00001	See PAH Sum of 4	80	<0.01	<0.01	0	
Benzo(k)fluoranthene	mg/l	0.00001	See PAH Sum of 4	80	<0.01	<0.01	0	
Chrysene	mg/l	0.00001	See BaP	80	0.01	0.01	0	
Dibenzo(ah)anthracene	mg/l	0.00001	No WSV	80	<0.01	<0.01	0	
Fluoranthene	mg/l	0.00001	See BaP	80	0.01	0.07	0	
Fluorene	mg/l	0.00001	See BaP	80	<0.01	0.48	0	
Indeno(123-cd)pyrene	mg/l	0.00001	See PAH Sum of 4	80	<0.01	<0.01	0	
Naphthalene	mg/l	0.00001	See BaP	80	<0.01	0.79	0	
Phenanthrene	mg/l	0.00001	See BaP	80	<0.01	0.3	0	
Pyrene	mg/l	0.00001	See BaP	80	0.01	0.08	0	
Total PAH 16MS	mg/l	0.00001	No WSV	80	0.01	2.61	0	
SVOC (excluding PAH-16)								
2,4,5-Trichlorophenol	mg/l	0.001	No WSV	79	1	<1	0	
2,4,6-Trichlorophenol	mg/l	0.001	0.2	79	1	<1	0	
2,4-Dichlorophenol	mg/l	0.001	N/A	79	1	<1	0	
2,4-Dimethylphenol	mg/l	0.001	No WSV	79	1	<1	0	
2,4-Dinitrotoluene	mg/l	0.001	No WSV	79	1	<1	0	
2,6-Dinitrotoluene	mg/l	0.001	No WSV	79	1	<1	0	
2-Chloronaphthalene	mg/l	0.001	No WSV	79	1	<1	0	
2-Chlorophenol	mg/l	0.001	0.3	79	1	<1	0	
2-Methylnaphthalene	mg/l	0.001	No WSV	79	1	<1	0	
2-Methylphenol	mg/l	0.001	No WSV	79	1	<1	0	
2-Nitrophenol	mg/l	0.001	No WSV	79	1	<1	0	
4-Bromophenyl phenyl ether	mg/l	0.001	No WSV	79	1	<1	0	
4-Chloro-3-methylphenol	mg/l	0.001	N/A	79	1	<1	0	
Bis(2-chloroisopropyl)ether	mg/l	0.001	No WSV	79	1	<1	0	
3+4-Methylphenol	mg/l	0.001	No WSV	79	1	<1	0	
4-Nitrophenol	mg/l	0.001	No WSV	79	1	<1	0	
Bis(2-chloroethyl)ether	mg/l	0.001	No WSV	79	1	<1	0	
Bis(2-chloroethoxy)methane	mg/l	0.001	No WSV	79	1	<1	0	
Bis(2-ethylhexyl)phthalate	mg/l	0.01	No WSV	79	10	<10	0	
Butylbenzyl phthalate	mg/l	0.001	No WSV	79	1	<1	0	
Carbazole	mg/l	0.001	No WSV	79	1	<1	0	
Dibenzofuran	mg/l	0.001	No WSV	79	1	<1	0	
n-Dibutylphthalate	mg/l	0.001	No WSV	79	1	<1	0	
n-Dioctylphthalate	mg/l	0.01	No WSV	79	10	<10	0	
n-Nitroso-n-dipropylamine	mg/l	0.001	No WSV	79	1	<1	0	
Diethyl phthalate	mg/l	0.001	No WSV	79	1	<1	0	
Dimethyl phthalate	mg/l	0.001	No WSV	79	1	<1	0	
Hexachlorobenzene	mg/l	0.001	0.00005	79	1	<1	0	
Pentachlorophenol (SVOC)	mg/l	0.001	No WSV	79	1	<1	0	
Phenol	mg/l	0.001	0.05	79	1	<1	0	
Hexachloroethane	mg/l	0.001	No WSV	79	1	<1	0	
Nitrobenzene	mg/l	0.001	No WSV	79	1	<1	0	
Isophorone	mg/l	0.001	No WSV	80	<1	<1	0	
Hexachlorocyclopentadiene	mg/l	0.001	No WSV	80	<1	<1	0	
Perylene	mg/l	0.001	No WSV	80	<1	<1	0	
VOC	mg/l	0	No WSV	80	0	0	0	
Dichlorodifluoromethane	mg/l	0.001	No WSV	79	1	<1	0	
Chloromethane	mg/l	0.01	No WSV	79	<1	<10	0	
Vinyl Chloride	mg/l	0.001	0.0005	79	<1	13	1	BH4461, 13.2m
Bromomethane	mg/l	0.001	No WSV	79	1	<1	0	
Chloroethane	mg/l	0.001	No WSV	79	1	<1	0	
Trichlorofluoromethane	mg/l	0.001	No WSV	79	<1	8	0	
trans 1,2-Dichloroethene	mg/l	0.001	No WSV	79	1	<1	0	
Dichloromethane	mg/l	0.005	0.02	79	5	<5	0	
Carbon Disulphide	mg/l	0.001	No WSV	79	1	<1	0	
1,1-Dichloroethene	mg/l	0.001	No WSV	79	1	<1	0	
1,1-Dichloroethane	mg/l	0.001	No WSV	79	1	<1	0	
cis 1,2-Dichloroethene	mg/l	0.001	No WSV	79	<1	19	0	
Bromochloromethane	mg/l	0.005	No WSV	79	<4	<5	0	
Chloroform	mg/l	0.001	See Trihalomethanes	79	1	<1	0	
2,2-Dichloropropane	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dichloroethane	mg/l	0.002	0.003	79	<1	<2	0	
1,1,1-Trichloroethane	mg/l	0.001	N/A	79	1	<1	0	
1,1-Dichloropropene	mg/l	0.001	No WSV	79	1	<1	0	

Sample ID	BH4456	BH4	BH101	BH1	BH2	BH3	BH4885	BH5	BH6	BH4886	BH7	BH4454	BH4458	BH4461	BH4460	BH4463	BH102	BH103
Depth	4.5m	6m	4.5m	4m	3.5m	3.5m	4m	3m	3m	3.5m	3m	4.5m	5m	13.2m	20.5m	5m	5m	5m
Date	44209	44209	44210	44210	44210	44210	44211	44211	44211	44214	44214	44214	44214	44214	44216	44216	44216	44216
Strata	Coal Measures	Clay, sand & Gravel	Clay & Gravel	Gravel & Clay	Clay & Gravel	Clay & Gravel	Gravel	Clay & Gravel	Sand & Gravel	Gravel	Clay, Sand & Gravel	Gravel	Clay & Gravel	Gravel	Coal Measures	Sand & Gravel	Clay & Sand	Silt & Sand
pH	13.19	7.84	7.31	7.79	7.43	7.57	7.88	7.94	8.03	8.26	8.23	8.23	7.97	8.03	8.23	7.99	7.9	7.99
pH BRE	-	7.84	7.31	7.79	7.43	7.57	7.88	7.94	8.03	8.26	8.23	8.23	7.97	8.03	8.23	7.99	7.9	7.99
Hardness Total															-	-	-	-
Ammoniacal nitrogen as N	1.57	-	-	-	-	-	-								0.846	1.564	0.364	1.778
Ammonia (Free Unionised) as N (w) at 25degC	1.56843	-	-	-	-	-	-								56	315	567	284
Ammonia / Ammoniacal Nitrogen as NH3	-	1.13	0.273	0.102	0.123	0.244	0.117	0.109	<0.024	0.123	0.098	0.061	1.108	0.988	56	315	567	284
Sulphate	47	327	420	472	429	409	273	213	93	94	238	453	302	370	<0.005	<0.005	<0.005	<0.005
Sulphate BRE	-	327	420	472	429	409	273	213	93	94	238	453	302	370	<0.005	<0.005	<0.005	<0.005
Cyanide (free)	<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	<0.005	-	-	-	-
Cyanide (total)	<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	<0.005	<1	<1	<1	<1
Antimony	<2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	3	1	<1	<1
Arsenic	<2	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	3	85	160	536	231
Boron	<20	211	246	307	237	273	420	257	154	114	141	318	214	247	<0.2	<0.2	0.7	<0.2
Cadmium	<0.4	0.3	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	0.4	0.8	0.2	<0.2	-	-	-	-
Copper	81	27	12	15	30	22	26	22	15	19	22	25	25	15	17	4	30	10
Chromium	56	8	<1	8	6	7	7	14	8	8	9	7	8	9	19	2	8	7
Chromium	<0.02	<0.01	<0.02	<0.01	<0.02	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.01
Lead	15	<1	<1	<1	<1	4	<1	<1	<1	<1	5	<1	<1	<1	13	<1	<1	<1
Magnesium	<1	46	29	34	43	66	21	14	14	22	39	38	54	34	3	25	66	36
Mercury	<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	<0.1	<0.1
Nickel	39	25	11	2	8	10	14	4	2	4	11	14	7	6	13	24	41	4
Potassium	69	10	5	12	5	7	9	7	6	7	8	6	12	12	12	9	20	17
Selenium	16	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	2	<1
Zinc	2	10	13	10	8	29	7	12	9	6	14	21	7	8	25	7	33	12
PAH 16MS																		
Acenaphthene	<0.01	<0.01	<0.01	<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
Acenaphthylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
Anthracene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
Benzo(a)anthracene	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<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	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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(ghi)perylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenzo(ah)anthracene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07	<0.01	<0.01	<0.01
Fluorene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.08	<0.01	<0.01	<0.01
Indeno(123-cd)pyrene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Naphthalene	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.06	0.02	<0.01	<0.01	0.03	0.14	<0.01	<0.01	<0.01
Phenanthrene	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	<0.01	0.22	<0.01	<0.01	<0.01
Pyrene	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	<0.01	0.08	<0.01	<0.01	<0.01
Total PAH 16MS	0.16	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	0.01	0.07	0.02	<0.01	<0.01	0.03	0.68	<0.01	<0.01	<0.01
SVOC (excluding PAH-16)																		
2,4,5-Trichlorophenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4,6-Trichlorophenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4-Dichlorophenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4-Dimethylphenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4-Dinitrotoluene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,6-Dinitrotoluene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Chloronaphthalene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Chlorophenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylphenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Nitrophenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Bromophenyl phenyl ether	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chloro-3-methylphenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-chloroisopropyl)ether	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
3+4-Methylphenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Nitrophenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-chloroethyl)ether	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-chloroethoxy)methane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-ethylhexyl)phthalate	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Butylbenzyl phthalate	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbazole	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibenzofuran	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Dibutylphthalate	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Dioctylphthalate	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
n-Nitroso-n-dipropylamine	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Diethyl phthalate	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dimethyl phthalate	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Pentachlorophenol (SVOC)	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachloroethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Nitrobenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isophorone								<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene								<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Perylene								<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
VOC																		
Dichlorodifluoromethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	13	<1	<1	<1	<1
Bromomethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	8	<1
trans 1,2-Dichloroethene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Disulphide	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis 1,2-Dichloroethene	-	3	<1	<1	<1	5	<1	<1	<1	<1	<1	<1	19	18	<1	<1	<1	8
Bromochloromethane	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,2-Dichloropropane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,1-Trichloroethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloropropene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Sample ID	BH101	BH103	BH4	BH101	BH103	BH101	BH103	BH101	BH103	BH4	BH4	BH101	BH103	BH103	BH4	BH101	BH103	BH4	BH101	BH4	BH101	BH4	BH101
Date	43754	43754	43754	43452	43452	43490	43490	43521	43521	43521	43545	43545	43545	43572	43572	43607	43607	43607	43643	43643	43663	43663	43690
Strata	Clay & Gravel	Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Clay, sand & Gravel	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Clay, sand & Gravel	Clay & Gravel	Clay, sand & Gravel	Clay & Gravel
pH	7.5	7.2	6.7					6.8	7.1	6.7	6.8	6.9	7.2			7	7.1	6.7	7.2	7.2			6.9
Hardness Total											250	340	130										
Ammoniacal nitrogen as N	0.24	0.18	<0.015	0.55	0.89		<0.015	<0.015	2.1	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.11	2.1	<0.015	<0.015	<0.015		<0.015	0.32
Sulphate											320	590	170				190						
Cadmium													0.12				0.78						
Copper											0.4	<0.4	0.8				1.9						
Chromium											<0.25	<0.25	<0.25				<0.25						
Lead											<0.09	<0.09	<0.09										
Magnesium											5300	77	100										
Nickel											20	3.7	1.4				2.7						
Potassium											12	12	7.7				11						
Zinc											7	6.8	7.4				7.5						
Dichlorodifluoromethane	<1	<1	<1																				
Chloromethane	<1	<1	<1																				
Vinyl Chloride	<1	<1	<1																				
Bromomethane	<1	<1	<1																				
Chloroethane	<1	<1	<1																				
Trichlorofluoromethane	<1	<1	<1																				
1,1-Dichloroethane	<1	<1	<1																				
Bromochloromethane	<4	<4	<4																				
Chloroform	<1	<1	<1																				
1,2-Dichloroethane	<1	<1	<1																				
1,1,1-Trichloroethane	<1	<1	<1																				
1,1-Dichloropropene	<1	<1	<1																				

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Assessment Criteria :	Drinking Water Standard England and Wales/WHO
CaCO (mg/l):	0.00
pH	0.00
Calcium (mg/l):	0.00
DOC (mg/l)	0.00
Catchment area:	Drinking Water Standard

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
Benzene	mg/l	0.001	0.001	79	1	<1	0	
Carbon Tetrachloride	mg/l	0.001	0.004	79	1	<1	0	
Dibromomethane	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dichloropropane	mg/l	0.001	0.04	79	1	<1	0	
Bromodichloromethane	mg/l	0.01	See Trihalomethanes	79	<4	<10	0	
Trichloroethene	mg/l	0.001	0.01 (sum of TCE & PCE)	79	1	1	0	
cis 1,3-Dichloropropene	mg/l	0.001	No WSV	79	1	<1	0	
trans 1,3-Dichloropropene	mg/l	0.001	No WSV	79	1	<1	0	
1,1,2-Trichloroethane	mg/l	0.001	N/A	79	1	<1	0	
Toluene	mg/l	0.001	0.7	79	1	<1	0	
1,3-Dichloropropane	mg/l	0.001	No WSV	79	1	<1	0	
Dibromochloromethane	mg/l	0.003	See Trihalomethanes	79	<1	<3	0	
1,2-Dibromoethane	mg/l	0.001	0.0004	79	1	<1	0	
Tetrachloroethene	mg/l	0.001	0.01 (sum of TCE & PCE)	79	1	<1	0	
1,1,1,2-Tetrachloroethane	mg/l	0.001	No WSV	79	1	<1	0	
Chlorobenzene	mg/l	0.001	N/A	79	1	<1	0	
Ethylbenzene	mg/l	0.001	0.3	79	1	<1	0	
m & p Xylene	mg/l	0.001	No WSV	79	1	<2	0	
Bromoform	mg/l	0.001	See Trihalomethanes	79	1	<1	0	
Styrene	mg/l	0.001	0.02	79	1	<1	0	
1,1,2,2-Tetrachloroethane	mg/l	0.001	No WSV	79	1	<1	0	
o-Xylene	mg/l	0.001	See Xylenes (total)	79	1	<1	0	
1,2,3-Trichloropropane	mg/l	0.001	No WSV	79	1	<1	0	
Isopropylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
Bromobenzene	mg/l	0.001	No WSV	79	1	<1	0	
2-Chlorotoluene	mg/l	0.001	No WSV	79	1	<1	0	
n-propylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
4-Chlorotoluene	mg/l	0.001	No WSV	79	1	<1	0	
1,2,4-Trimethylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
4-Isopropyltoluene	mg/l	0.001	No WSV	79	1	<1	0	
1,3,5-Trimethylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dichlorobenzene	mg/l	0.001	1	79	1	<1	0	
1,4-Dichlorobenzene	mg/l	0.001	0.3	79	1	<1	0	
sec-Butylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
tert-Butylbenzene	mg/l	0.002	No WSV	79	<1	<2	0	
1,3-Dichlorobenzene	mg/l	0.001	No WSV	79	1	<2	0	
n-butylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dibromo-3-chloropropane	mg/l	0.002	0.001	79	<1	<2	0	
1,2,4-Trichlorobenzene	mg/l	0.003	No WSV	79	<1	<3	0	
1,2,3-Trichlorobenzene	mg/l	0.003	No WSV	79	<1	<3	0	
Hexachlorobutadiene	mg/l	0.001	0.0006	79	1	<1	0	
TPH CWG								
Aliphatic TPH >C5-C6	mg/l	0.001	15	79	1	<3	0	
Aliphatic TPH >C6-C8	mg/l	0.001	15	79	<1	3	0	
Aliphatic TPH >C8-C10	mg/l	0.005	0.3	79	<1	10	1	BH4460, 20.5m
Aliphatic TPH >C10-C12	mg/l	0.005	0.3	79	<5	<10	1	BH4460, 20.5m
Aliphatic TPH >C12-C16	mg/l	0.005	0.3	79	5	<10	0	
Aliphatic TPH >C16-C21	mg/l	0.005	N/A	79	5	<10	0	
Aliphatic TPH >C21-C35	mg/l	0.005	N/A	79	<5	<10	0	
Total Aliphatics	mg/l	0.005	No WSV	79	<5	25	0	
Aromatic TPH >C5-C7	mg/l	0.001	0.01	79	1	<1	0	
Aromatic TPH >C7-C8	mg/l	0.001	0.7	79	1	<1	0	
Aromatic TPH >C8-C10	mg/l	0.005	0.3	79	<1	<10	0	
Aromatic TPH >C10-C12	mg/l	0.005	0.09	79	<5	21	2	BH4460, 20.5m; BH4463, 7m
Aromatic TPH >C12-C16	mg/l	0.005	0.09	79	<5	20	2	BH4460, 20.5m; BH4463, 7m
Aromatic TPH >C16-C21	mg/l	0.005	0.09	79	<5	<10	1	BH4460, 20.5m
Aromatic TPH >C21-C35	mg/l	0.01	0.09	79	10	<10	0	
Total Aromatics	mg/l	0.01	No WSV	79	<10	41	0	
TPH (Ali & Aro >C5-C35)	mg/l	0.01	No WSV	79	<10	56	0	
Benzene	mg/l	0.001	0.001	79	1	<1	0	
Toluene	mg/l	0.001	0.7	79	1	<1	0	
Ethyl Benzene	mg/l	0.001	No WSV	79	1	<1	0	
m & p Xylene	mg/l	0.001	No WSV	79	1	<1	0	
o Xylene	mg/l	0.001	No WSV	79	1	<1	0	
MTBE	mg/l	0.001	No WSV	79	1	<1	0	
VOCs								
Dichlorodifluoromethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Chloromethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Vinyl Chloride	mg/l	0.000001	0.0005	80	<0.001	10.5	1	BH5, 5m
Bromomethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Chloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Trichlorofluoromethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,1-dichloroethylene	mg/l	0.000001	N/A	80	<0.001	<1	0	
Methylene Chloride	mg/l	0.000001	No WSV	80	<0.027	<1	0	
Cis-1,2-dichloroethene	mg/l	0.000001	No WSV	80	<1	12.1	0	
Trans-1,2-dichloroethylene	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,1-dichloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Cis-1,2-dichloroethylene	mg/l	0.000001	N/A	80	<0.001	<1	0	
2,2-dichloropropane	mg/l	0.000001	No WSV	80	<0.002	<1	0	
Bromochloromethane	mg/l	0.000001	No WSV	80	<0.004	<1	0	
Chloroform	mg/l	0.000001	See Trihalomethanes	80	<0.001	<1	0	
1,1,1-trichloroethane	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,1-dichloropropene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Carbon tetrachloride	mg/l	0.000001	0.004	80	<0.001	<1	0	
Benzene	mg/l	0.000001	0.001	80	<0.001	<1	0	
1,2-dichloroethane	mg/l	0.000001	0.003	80	<0.001	<1	0	
Trichloroethylene	mg/l	0.000001	0.01 (sum of TCE & PCE)	80	0.001	<1	0	
1,2-dichloropropane	mg/l	0.000001	0.04	80	<0.001	<1	0	
Dibromomethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Bromodichloromethane	mg/l	0.000001	See Trihalomethanes	80	<0.004	<1	0	
cis-1,3-dichloropropene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Toluene	mg/l	0.000001	0.7	80	<0.001	<1	0	
trans-1,3-dichloropropene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,1,2-trichloroethane	mg/l	0.000001	N/A	80	<0.001	<1	0	
Tetrachloroethylene	mg/l	0.000001	0.01 (sum of TCE & PCE)	80	<0.001	<1	0	
1,3-dichloropropane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Dibromochloromethane	mg/l	0.000001	See Trihalomethanes	80	<0.001	<1	0	
1,2-dibromoethane	mg/l	0.000001	0.0004	80	<0.001	<1	0	
Chlorobenzene	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,1,1,2-tetrachloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Ethylbenzene	mg/l	0.000001	0.3	80	<0.001	<1	0	
m+p-Xylene	mg/l	0.000001	No WSV	80	<0.002	<1	0	
o-Xylene	mg/l	0.000001	See Xylenes (total)	80	<0.001	<1	0	
Styrene	mg/l	0.000001	0.02	80	<0.001	<1	0	
Bromoform	mg/l	0.000001	See Trihalomethanes	80	<0.001	<1	0	
Isopropylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,1,2,2-tetrachloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Bromobenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,2,3-trichloropropane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
n-propylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
2-chlorotoluene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,3,5-trimethylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
4-chlorotoluene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Tert-butylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,2,4-trimethylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
sec-butylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
p-isopropyltoluene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,3-dichlorobenzene	mg/l	0.000001	No WSV	80	<0.002	<1	0	
1,4-dichlorobenzene	mg/l	0.000001	0.3	80	<0.001	<1	0	
n-butylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,2-dichlorobenzene	mg/l	0.000001	1	80	<0.001	<1	0	
1,2-dibromo-3-chloropropane	mg/l	0.000001	0.001	80	<0.001	<1	0	
1,2,4-trichlorobenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Hexachlorobutadiene	mg/l	0.000001	0.0006	80	<0.001	<1	0	
Naphthalene	mg/l	0.000001	See BaP	80	<0.001	<1	0	
1,2,3-trichlorobenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
MTBE	mg/l	0.000001	No WSV	80	<0.001	<1	0	
SVOCs								
Aniline	mg/l	0.00005	No WSV	80	<0.05	7	0	
Phenol	mg/l	0.00005	0.05	80	<0.05	<0.05	0	
2-Chlorophenol	mg/l	0.00005	0.3	80	<0.05	<0.05	0	
Bis(2-chloroethyl)ether	mg/l	0.00005	No WSV	80	<0.05	0.65	0	
1,3-Dichlorobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
1,2-Dichlorobenzene	mg/l	0.00005	1	80	<0.05	<0.05	0	
1,4-Dichlorobenzene	mg/l	0.00005	0.3	80	<0.05	<0.05	0	
Bis(2-chloroisopropyl)ether	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
2-Methylphenol	mg/l	0.00005	No WSV	80	<0.05	0.53	0	
Hexachloroethane	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Nitrobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
4-Methylphenol	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Isophorone	mg/l	0.00005	No WSV	80	<0.05	3.4	0	
2-Nitrophenol	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
2,4-Dimethylphenol	mg/l	0.00005	No WSV	80	<0.05	1.7	0	
Bis(2-chloroethoxy)methane	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
1,2,4-Trichlorobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Naphthalene	mg/l	0.00001	See BaP	80	<0.01	0.79	0	
2,4-Dichlorophenol	mg/l	0.00005	N/A	80	<0.05	<0.05	0	
4-Chloroaniline	mg/l	0.00005	No WSV	80	<0.05	0.27	0	
Hexachlorobutadiene	mg/l	0.00005	0.0006	80	<0.05	<0.05	0	
4-Chloro-3-methylphenol	mg/l	0.00005	N/A	80	<0.05	0.53	0	
2,4,6-Trichlorophenol	mg/l	0.00005	0.2	80	<0.05	<0.05	0	
2,4,5-Trichlorophenol	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
2-Methylnaphthalene	mg/l	0.00005	No WSV	80	<0.05	0.37	0	
2-Chloronaphthalene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Dimethylphthalate	mg/l	0.00005	N/A	80	<0.05	<0.05	0	
2,6-Dinitrotoluene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Acenaphthylene	mg/l	0.00001	See BaP	80	<0.01	<0.01	0	
Acenaphthene	mg/l	0.00001	See BaP	80	<0.01	1	0	
2,4-Dinitrotoluene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Dibenzofuran	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
4-Chlorophenyl phenyl ether	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Diethyl phthalate	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
4-Nitroaniline	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Fluorene	mg/l	0.00001	See BaP	80	<0.01	0.48	0	
Azobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Bromophenyl phenyl ether	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Hexachlorobenzene	mg/l	0.00005	0.00005	80	<0.05	<0.05	0	
Phenanthrene	mg/l	0.00001	See BaP	80	<0.01	0.3	0	
Anthracene	mg/l	0.00001	See BaP	80	<0.01	<0.01	0	
Carbazole	mg/l	0.00005	No WSV	80	<0.05	1	0	
Dibutyl phthalate	mg/l	0.00005	0.35	80	<0.05	0.1	0	

Sample ID	BH4456	BH4	BH101	BH1	BH2	BH3	BH4885	BH5	BH6	BH4886	BH7	BH4454	BH4458	BH4461	BH4460	BH4463	BH102	BH103	BH101	BH103	BH4
Depth	4.5m	6m	4.5m	4m	3.5m	3.5m	4m	3m	3m	3.5m	3m	4.5m	5m	13.2m	20.5m	5m	5m	5m			
Date	44209	44209	44210	44210	44210	44210	44211	44211	44211	44214	44214	44214	44214	44214	44216	44216	44216	44216	43754	43754	43754
Strata	Coal Measures	Clay, sand & Gravel	Clay & Gravel	Gravel & Clay	Clay & Gravel	Clay & Gravel	Gravel	Clay & Gravel	Sand & Gravel	Gravel	Clay, Sand & Gravel	Gravel	Clay & Gravel	Gravel	Coal Measures	Sand & Gravel	Clay & Sand	Silt & Sand	Clay & Gravel	Silt & Sand	Clay, sand & Gravel
Benzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<4	<4	<4
Trichloroethene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1			
cis 1,3-Dichloropropene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans 1,3-Dichloropropene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dichloropropane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromochloromethane	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<1	<1	<1
1,2-Dibromoethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1,1,2-Tetrachloroethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
m & p Xylene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<2	<2
Bromoform	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isopropylbenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromobenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Chlorotoluene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-propylbenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chlorotoluene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Isopropyltoluene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
sec-Butylbenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
tert-Butylbenzene	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1	<1
1,3-Dichlorobenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<2	<2
n-butylbenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1	<1
1,2,4-Trichlorobenzene	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<1	<1	<1
1,2,3-Trichlorobenzene	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<1	<1	<1
Hexachlorobutadiene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TPH CWG																					
Aliphatic TPH >C5-C6	-	<1	<1	<1	<1	<1	<1	<1	<1	<3	<3	<3	<3	<3	<1	<1	<1	<1			
Aliphatic TPH >C6-C8	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	3	<1	<1	<1	<1			
Aliphatic TPH >C8-C10	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	10	<10	<10	<10			
Aliphatic TPH >C10-C12	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6	<5	<5	<5			
Aliphatic TPH >C12-C16	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			
Aliphatic TPH >C16-C21	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			
Aliphatic TPH >C21-C35	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	9	<5	<5	<5			
Total Aliphatics	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	25	<5	<5	<5			
Aromatic TPH >C5-C7	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
Aromatic TPH >C7-C8	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
Aromatic TPH >C8-C10	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<10	<10			
Aromatic TPH >C10-C12	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	9	<5	<5	<5			
Aromatic TPH >C12-C16	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	11	<5	<5	<5			
Aromatic TPH >C16-C21	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6	<5	<5	<5			
Aromatic TPH >C21-C35	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			
Total Aromatics	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	31	<10	<10	<10			
TPH (Ali & Aro >C5-C35)	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	56	<10	<10	<10			
Benzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
Toluene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
Ethyl Benzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
m & p Xylene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
o Xylene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
MTBE	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			

Sample ID	BH101	BH103	BH101	BH103	BH101	BH103	BH4	BH4	BH101	BH103	BH103	BH4	BH101	BH103	BH4	BH101	BH4	BH101	BH4	BH101
Date	43452	43452	43490	43490	43521	43521	43521	43545	43545	43545	43572	43572	43607	43607	43607	43643	43643	43663	43663	43690
Strata	Clay & Gravel	Silt & Sand	Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Clay, sand & Gravel	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Clay, sand & Gravel	Clay & Gravel	Clay, sand & Gravel	Clay & Gravel
VOCs																				
Dichlorodifluoromethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl Chloride	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Bromomethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Chloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Trichlorofluoromethane	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloroethylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Methylene Chloride	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027		<0.027	<0.027	<0.027	<0.027	<0.027
Cis-1,2-dichloroethene																				
Trans-1,2-dichloroethylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Cis-1,2-dichloroethylene	<0.001	0.007	<0.001	0.005	<0.001	0.006	0.01	0.008	<0.001	0.003	0.006	<0.001	<0.001	0.005		<0.001	0.008	<0.001	0.008	<0.001
2,2-dichloropropane	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002
Bromochloromethane	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004
Chloroform	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-trichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloropropene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Carbon tetrachloride	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	0.001	<0.001	<0.001	<0.001
1,2-dichloropropane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Dibromomethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004
cis-1,3-dichloropropene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-trichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1,3-dichloropropane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Dibromochloromethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dibromoethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Chlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1,2-tetrachloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
m+p-Xylene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002
o-Xylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Bromoform	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-tetrachloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-trichloropropane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
n-propylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
2-chlorotoluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-trimethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
4-chlorotoluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Tert-butylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-trimethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
sec-butylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
p-isopropyltoluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1,3-dichlorobenzene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002
1,4-dichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
n-butylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dibromo-3-chloropropane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-trichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobutadiene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Naphthalene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-trichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
MTBE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001

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ATKINS

Assessment Criteria : *Drinking Water Standard England and Wales/WHO*

CaCO (mg/l): 0.00 **pH** 0.00

Calcium (mg/l): 0.00 **DOC (mg/l)** 0.00 **Catchment area:** Drinking Water Standard

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	Zone
Anthraquinone	mg/l	0.00005	No WSV	80	<0.05	<0.05	0		
Fluoranthene	mg/l	0.00001	See BaP	80	<0.01	<0.01	0		
Pyrene	mg/l	0.00001	See BaP	80	<0.01	<0.01	0		
Butyl benzyl phthalate	mg/l	0.00005	No WSV	80	<0.05	<0.05	0		
Benzo(a)anthracene	mg/l	0.00001	See BaP	80	<0.01	<0.01	0		
Chrysene	mg/l	0.00001	See BaP	80	<0.01	<0.01	0		
Benzo(b)fluoranthene	mg/l	0.00001	See PAH Sum of 4	80	<0.01	<0.01	0		
Benzo(k)fluoranthene	mg/l	0.00001	See PAH Sum of 4	80	<0.01	<0.01	0		
Benzo(a)pyrene	mg/l	0.00001	0.00001	80	<0.01	<0.01	0		
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	No WSV	80	<0.01	<0.01	0		
Dibenz(a,h)anthracene	mg/l	0.00001	See BaP	80	<0.01	<0.01	0		
Benzo(ghi)perylene	mg/l	0.00001	See PAH Sum of 4	80	<0.01	<0.01	0		
3&4-Methylphenol	mg/l	0.0001	No WSV	80	<0.1	<0.1	0		
Methane	mg/L	0.1	No WSV	80	0.1	1.7	0		

Sample ID	BH4456	BH4	BH101	BH1	BH2	BH3	BH4885	BH5	BH6	BH4886	BH7	BH4454	BH4458	BH4461	BH4460	BH4463	BH102	BH103	BH101	BH103	BH4
Location																					
Depth	4.5m	6m	4.5m	4m	3.5m	3.5m	4m	3m	3m	3.5m	3m	4.5m	5m	13.2m	20.5m	5m	5m	5m			
Date	44209	44209	44210	44210	44210	44210	44211	44211	44211	44214	44214	44214	44214	44214	44216	44216	44216	44216	43754	43754	43754
Strata	Coal Measures	Clay, sand & Gravel	Clay & Gravel	Gravel & Clay	Clay & Gravel	Clay & Gravel	Gravel	Clay & Gravel	Sand & Gravel	Gravel	Clay, Sand & Gravel	Gravel	Clay & Gravel	Gravel	Coal Measures	Sand & Gravel	Clay & Sand	Silt & Sand	Clay & Gravel	Silt & Sand	Clay, sand & Gravel

Sample ID	BH101	BH103	BH101	BH103	BH101	BH103	BH4	BH4	BH101	BH103	BH103	BH4	BH101	BH103	BH4	BH101	BH4	BH101	BH4	BH101
Location																				
Depth																				
Date	43452	43452	43490	43490	43521	43521	43521	43545	43545	43545	43572	43572	43607	43607	43607	43643	43643	43663	43663	43690
Strata	Clay & Gravel	Silt & Sand	Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Clay, sand & Gravel	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Clay, sand & Gravel	Clay & Gravel	Clay, sand & Gravel	Clay & Gravel

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Assessment Criteria :	Drinking Water Standard England and Wales/WHO
CaCO (mg/l): 0.00	pH 0.00
Calcium (mg/l): 0.00	DOC (mg/l) 0.00
Catchment area:	Drinking Water Standard

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	
									0
pH	pH	0.01	6.5-9.5	80	5.9	13.19	7	BH4456, 4.5m; BH5, 5m; BH102, 6.08m; BH4454, 6m; BH4456, 5m; BH5, 5m; BH4456, 5m	71
pH BRE	pH	0.01	No WSV	79	7.31	8.26	0		18
Hardness Total			No WSV	76	130	340	0		7
Ammoniacal nitrogen as N	mg/l	0.02	0.39	74	<0.015	23	34	BH4456, 4.5m; BH4460, 20.5m; BH4463, 5m; BH103, 5m; BH101; BH103; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH2, 5.5m; BH3, 5.5m; BH4, 4.5m; BH5, 5m; BH101, 6m; BH103, 5.75m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH4463, 6.8m; QAQC1, None Suppliedm	70
Ammonia (Free Unionised) as N (w) at 25degC	mg/l	0.000036	No WSV	74	1.56843	567	0		11
Ammonia / Ammoniacal Nitrogen as NH3	mg/l	0.024	No WSV	79	<0.024	567	0		18
Sulphate	mg/l	1	250	80	<0.005	590	28	BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4; BH101; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4461, 11.25m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH101, 6m; BH4454, 6m	56
Sulphate BRE	mg/l	1	No WSV	79	<0.005	472	0		18
Cyanide (free)	mg/l	0.005	See Cyanide (total)	76	<0.005	2.4	0		52
Cyanide (total)	mg/l	0.005	0.05	80	<0.005	6	4	QAQC2 - Blank, None Suppliedm; BH4456, 5m; BH4461, 11.25m; BH4456, 5m	52
Antimony	mg/l	0.001	0.005	80	0.4	3	19	BH4460, 20.5m; BH4463, 5m; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH5, 5m; BH6, 4.5m; BH102, 6.08m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH1, 6m; BH6, 4.5m; BH103, 5.75m; BH4456, 5m; BH4460, 13.75m; BH4463, 6.8m; QAQC1, None Suppliedm	52
Arsenic	mg/l	0.001	0.01	80	0.15	536	28	BH4885, 4m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH103, 5.75m; BH4456, 5m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH4, 5.5m; BH6, 4.5m; BH103, 5.75m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH4463, 6.8m; QAQC1, None Suppliedm	52
Boron	mg/l	0.01	1	80	<0.2	490	45	BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm	52
Cadmium	mg/l	0.0002	0.005	76	0.02	1.5	36	BH4, 6m; BH3, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm	54
Copper	mg/l	0.001	2	80	0.4	150	40	BH4456, 4.5m; BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4463, 7m; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH1, 6m; BH4, 5.5m; BH5, 5m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH7, 4.35m	56
Chromium	mg/l	0.001	0.05	80	0.2	56	22	BH4456, 4.5m; BH4, 6m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH4, 5.5m; BH4456, 5m; BH7, 4.35m	56
Chromium	mg/l	0.01	0.05	80	<0.01	<5	6	BH1, 6m; BH4, 5.5m; BH5, 5m; BH102, 6.08m; BH4454, 6m; BH4456, 5m	52
Lead	mg/l	0.001	0.01	80	<0.09	15	9	BH4456, 4.5m; BH3, 3.5m; BH7, 3m; BH4460, 20.5m; BH4463, 7m; BH5, 5m; BH4456, 5m; BH5, 5m; BH4456, 5m	55
Magnesium	mg/l	1	N/A	80	0.037	5300	0		55
Mercury	mg/l	0.0001	0.001	80	<<0.05	<0.2	0		52
Nickel	mg/l	0.001	0.02	80	0.7	53	56	BH4456, 4.5m; BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4; BH101; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm	56
Potassium	mg/l	1.2	N/A	80	5	69	0		56
Selenium	mg/l	0.001	0.01	80	<0.6	16	12	BH4456, 4.5m; BH5, 3m; BH102, 5m; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH102, 6.08m; BH4456, 5m; BH4456, 5m; BH4463, 6.8m; QAQC1, None Suppliedm	52
Zinc	mg/l	0.001	3	80	2	33	48	BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4; BH101; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5.5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH7, 4.35m	56
PAH 16MS									0
Acenaphthene	mg/l	0.00001	See BaP	80	0.01	1.04	0		52
Acenaphthylene	mg/l	0.00001	See BaP	80	<0.01	0.02	0		52
Anthracene	mg/l	0.00001	See BaP	80	<0.01	0.02	0		52
Benzo(a)anthracene	mg/l	0.00001	See BaP	80	0.01	0.01	0		52
Benzo(a)pyrene	mg/l	0.00001	0.00001	80	<0.01	<0.01	0		52
Benzo(b)fluoranthene	mg/l	0.00001	See PAH Sum of 4	80	0.01	0.01	0		52
Benzo(ghi)perylene	mg/l	0.00001	See PAH Sum of 4	80	<0.01	<0.01	0		52
Benzo(k)fluoranthene	mg/l	0.00001	See PAH Sum of 4	80	<0.01	<0.01	0		52
Chrysene	mg/l	0.00001	See BaP	80	0.01	0.01	0		52
Dibenzo(ah)anthracene	mg/l	0.00001	No WSV	80	<0.01	<0.01	0		52
Fluoranthene	mg/l	0.00001	See BaP	80	0.01	0.07	0		52
Fluorene	mg/l	0.00001	See BaP	80	<0.01	0.48	0		52
Indeno(123-cd)pyrene	mg/l	0.00001	See PAH Sum of 4	80	<0.01	<0.01	0		52
Naphthalene	mg/l	0.00001	See BaP	80	<0.01	0.79	0		52
Phenanthrene	mg/l	0.00001	See BaP	80	<0.01	0.3	0		52
Pyrene	mg/l	0.00001	See BaP	80	0.01	0.08	0		52
Total PAH 16MS	mg/l	0.00001	No WSV	80	0.01	2.61	0		52
SVOC (excluding PAH-16)									0
2,4,5-Trichlorophenol	mg/l	0.001	No WSV	79	1	<1	0		18
2,4,6-Trichlorophenol	mg/l	0.001	0.2	79	1	<1	0		18
2,4-Dichlorophenol	mg/l	0.001	N/A	79	1	<1	0		18
2,4-Dimethylphenol	mg/l	0.001	No WSV	79	1	<1	0		18
2,4-Dinitrotoluene	mg/l	0.001	No WSV	79	1	<1	0		18
2,6-Dinitrotoluene	mg/l	0.001	No WSV	79	1	<1	0		18
2-Chloronaphthalene	mg/l	0.001	No WSV	79	1	<1	0		18
2-Chlorophenol	mg/l	0.001	0.3	79	1	<1	0		18
2-Methylnaphthalene	mg/l	0.001	No WSV	79	1	<1	0		18
2-Methylphenol	mg/l	0.001	No WSV	79	1	<1	0		18
2-Nitrophenol	mg/l	0.001	No WSV	79	1	<1	0		18
4-Bromophenyl phenyl ether	mg/l	0.001	No WSV	79	1	<1	0		18
4-Chloro-3-methylphenol	mg/l	0.001	N/A	79	1	<1	0		18
Bis(2-chloroisopropyl)ether	mg/l	0.001	No WSV	79	1	<1	0		18
3+4-Methylphenol	mg/l	0.001	No WSV	79	1	<1	0		18
4-Nitrophenol	mg/l	0.001	No WSV	79	1	<1	0		18
Bis(2-chloroethyl)ether	mg/l	0.001	No WSV	79	1	<1	0		18
Bis(2-chloroethoxy)methane	mg/l	0.001	No WSV	79	1	<1	0		18
Bis(2-ethylhexyl)phthalate	mg/l	0.01	No WSV	79	10	<10	0		18
Butylbenzyl phthalate	mg/l	0.001	No WSV	79	1	<1	0		18
Carbazole	mg/l	0.001	No WSV	79	1	<1	0		18
Dibenzofuran	mg/l	0.001	No WSV	79	1	<1	0		18
n-Dibutylphthalate	mg/l	0.001	No WSV	79	1	<1	0		18
n-Dioctylphthalate	mg/l	0.01	No WSV	79	10	<10	0		18
n-Nitroso-n-dipropylamine	mg/l	0.001	No WSV	79	1	<1	0		18
Diethyl phthalate	mg/l	0.001	No WSV	79	1	<1	0		18
Dimethyl phthalate	mg/l	0.001	No WSV	79	1	<1	0		18
Hexachlorobenzene	mg/l	0.001	0.00005	79	1	<1	0		18
Pentachlorophenol (SVOC)	mg/l	0.001	No WSV	79	1	<1	0		18
Phenol	mg/l	0.001	0.05	79	1	<1	0		18
Hexachloroethane	mg/l	0.001	No WSV	79	1	<1	0		18
Nitrobenzene	mg/l	0.001	No WSV	79	1	<1	0		18
Isophorone	mg/l	0.001	No WSV	80	<1	<1	0		11
Hexachlorocyclopentadiene	mg/l	0.001	No WSV	80	<1	<1	0		11
Perylene	mg/l	0.001	No WSV	80	<1	<1	0		11
VOC	mg/l	0	No WSV	80	0	0	0		0
Dichlorodifluoromethane	mg/l	0.001	No WSV	79	1	<1	0		21
Chloromethane	mg/l	0.01	No WSV	79	<1	<10	0		21
Vinyl Chloride	mg/l	0.001	0.0005	79	<1	13	1	BH4461, 13.2m	21
Bromomethane	mg/l	0.001	No WSV	79	1	<1	0		21
Chloroethane	mg/l	0.001	No WSV	79	1	<1	0		21
Trichlorofluoromethane	mg/l	0.001	No WSV	79	<1	8	0		21
trans 1,2-Dichloroethene	mg/l	0.001	No WSV	79	1	<1	0		18
Dichloromethane	mg/l	0.005	0.02	79	5	<5	0		18
Carbon Disulphide	mg/l	0.001	No WSV	79	1	<1	0		18
1,1-Dichloroethene	mg/l	0.001	No WSV	79	1	<1	0		18
1,1-Dichloroethane	mg/l	0.001	No WSV	79	1	<1	0		21
cis 1,2-Dichloroethene	mg/l	0.001	No WSV	79	<1	19	0		18
Bromochloromethane	mg/l	0.005	No WSV	79	<4	<5	0		21
Chloroform	mg/l	0.001	See Trihalomethanes	79	1	<1	0		21
2,2-Dichloropropane	mg/l	0.001	No WSV	79	1	<1	0		18
1,2-Dichloroethane	mg/l	0.002	0.003	79	<1	<2	0		21
1,1,1-Trichloroethane	mg/l	0.001	N/A	79	1	<1	0		21
1,1-Dichloropropene	mg/l	0.001	No WSV	79	1	<1	0		21

Constituents	BH103	BH4	BH101	BH103	BH4	BH4463	QAQC1 - BH4463	QAQC2 - Blank	BH1	BH2	BH3	BH4	BH5	BH6	BH7	BH101	BH102	BH103	BH4454	BH4456	BH4458	BH4460	BH4461	BH1	BH2	BH3	BH4	BH5	BH6	BH101	BH103	BH4454	BH4456	BH4458	BH4460	BH4461	BH7	BH4463	QAQC1
						7m	None Suppliedm	None Suppliedm	6m	5.5m	5.5m	5.5m	5m	4.5m	4.35m	6m	6.08m	5.75m	6m	5m	6.2m	13.75m	11.25m	6m	5.5m	5.5m	5.5m	5m	4.5m	6m	5.75m	6m	5m	6.2m	13.75m	11.25m	4.35m	6.8m	None Suppliedm
	43690	43690	43726	43726	43726	44740	44740	44740	44676	44676	44677	44677	44678	44678	44678	44676	44677	44677	44676	44677	44676	44677	44677	44693	44692	44692	44692	44693	44693	44693	44693	44692	44692	44692	44693	44693	44694	44782	44782
	Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Clay, sand & Gravel																																		
pH	7	6.9		7.2	7.4	7	6.9	8.8	6.6	6.5	6.6	6.8	6.4	6.8	6.6	6.5	5.9	6.9	6.4	12.5	7	7.7	7.3	6.6	6.6	6.7	6.9	6.4	6.8	6.6	7	6.7	12.4	7.1	7.9	7.3	6.6	6.9	6.8
pH BRE																																							
Hardness Total																																							
Ammoniacal nitrogen as N	<0.015	<0.015		<0.015	<0.015	1.4	1.4	8.6	<15	0.49	1.6	9.4	0.44	<15	<15	2.7	2.1	13	<15	22	7.5	3.2	8.4	0.36	0.65	1.1	1.1	0.51	<15	2	13	<15	23	6.7	3.6	8.3	<15	16	16
Ammonia (Free Unionised) as N (w) at 25degC																																							
Ammonia / Ammoniacal Nitrogen as NH3																																							
Sulphate						131	130	287	299	315	357	380	449	188	186	397	542	345	341	3.38	251	54.5	357	249	222	292	277	271	157	271	188	276	3.06	247	50.6	242	140	99.9	101
Sulphate BRE																																							
Cyanide (free)						<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.8	<1	<1	<1	<1	<1	<1
Cyanide (total)						<1	<1	3.8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	6	<1	<1	1.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.3	<1	<1	<1	<1	<1	<1
Antimony						0.4	0.5	1.1	0.4	<0.4	<0.4	<0.4	0.5	0.7	<0.4	<0.4	0.5	<0.4	<0.4	1	0.4	0.4	<0.4	0.4	<0.4	<0.4	<0.4	<0.4	0.5	<0.4	0.4	<0.4	1	<0.4	0.4	<0.4	<0.4	0.5	0.6
Arsenic						0.62	0.42	12.7	0.16	<0.15	0.17	0.16	0.15	0.25	<0.15	<0.15	<0.15	0.16	<0.15	0.53	<0.15	0.82	0.96	0.15	<0.15	<0.15	0.17	<0.15	0.19	<0.15	0.2	<0.15	0.57	0.19	0.84	0.63	<0.15	0.7	0.68
Boron						120	110	490	160	120	190	170	84	130	100	200	350	170	200	<10	150	89	210	140	120	180	170	78	130	180	160	170	<10	150	83	200	95	100	100
Cadmium						0.24	0.2	<0.02	0.11	0.06	0.2	0.34	1.4	0.3	0.76	0.06	0.54	0.18	0.7	<0.02	0.71	0.02	<0.02	0.13	0.06	0.18	0.33	1.5	0.34	0.05	0.14	0.75	<0.02	0.84	0.04	<0.02	0.57	0.09	0.08
Copper						15	1.4	2.8	2.1	3.4	1.2	3.4	4.3	2.6	2.1	1.1	3.3	3.4	3.8	120	2.2	0.9	0.8	3.3	1.5	1.5	3.2	3.1	1.6	<0.5	2.5	3.5	150	4	3	2	2.4	0.8	1.1
Chromium						<0.2	<0.2	0.3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	3.1	<0.2	<0.2	<0.2	0.3	<0.2	<0.2
Chromium						<5	<5	<5	0.2	<0.2	<0.2	0.2	0.3	<0.2	<0.2	<0.2	0.3	<0.2	0.2	4.1	<0.2	<0.2	<0.2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Lead						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	13	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	<0.2	<0.2	<0.2	<0.2	11	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Magnesium						15	15	7.2	48	74	59	64	80	25	50	44	53	26	52	0.037	53	4.6	56	45	60	49	47	53	29	43	24	41	0.084	48	4.4	35	40	15	14
Mercury						<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel						5.8	5.4	3.2	7.8	7.8	6.7	19	18	4.9	7.5	8.1	19	4.7	9.7	49	7.5	0.7	4.3	2.6	8.9	7.3	18	20	5.2	7.5	4.1	10	53	7.4	1.1	3.2	7.8	4.5	4.5
Potassium						7	6.8	30	9.2	8.1	8.5	13	7	15	7.9	5	21	11	5.9	52	12	12	14	8	8.2	7.7	12	6.2	17	6.1	9.9	5.3	52	10	11	13	7.6	7.5	7.4
Selenium						0.7	0.7	1.1	0.8	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	1.5	<0.6	<0.6	4.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	4.2	<0.6	<0.6	<0.6	<0.6	0.8	0.9
Zinc						12	7.5	8.7	8.4	6.5	4.9	4.7	20	3.5	30	6.4	21	24	7	2.9	5.8	2.8	4.1	13	5.8	7.4	4.6	14	6.9	4	2.7	7	2.1	5.3	5.3	2.2	13	2.9	2.1
PAH 16MS																																							
Acenaphthene						<0.01	<0.01	1.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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(ghi)perylene						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenzo(ah)anthracene						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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						<0.01	<0.01	0.48	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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(123-cd)pyrene						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Naphthalene						<0.01	<0.01	0.79	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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						<0.01	<0.01	0.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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						<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total PAH 16MS						<0.16	<0.16	2.61	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16

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Assessment Criteria :	Drinking Water Standard England and Wales/WHO				
CaCO (mg/l):	0.00	pH	0.00		
Calcium (mg/l):	0.00	DOC (mg/l)	0.00	Catchment area:	Drinking Water Standard

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	BH103	BH4	BH101	BH103	BH4	BH4463	QAQC1 - BH4463	QAQC2 - Blank	BH1	BH2	BH3	BH4	BH5	BH6	BH7	BH101	BH102	BH103	BH4454	BH4456	BH4458	BH4460	BH4461	BH1	BH2	BH3	BH4	BH5	BH6	BH101	BH103	BH4454	BH4456	BH4458	BH4460	BH4461	BH7	BH4463	QAQC1	
														7m	None Suppliedm	None Suppliedm	6m	5.5m	5.5m	5.5m	5m	4.5m	4.35m	6m	6.08m	5.75m	6m	5m	6.2m	13.75m	11.25m	6m	5.5m	5.5m	5.5m	5m	4.5m	6m	5.75m	6m	5m	6.2m	13.75m	11.25m	4.35m	6.8m	None Suppliedm	
									43690	43690	43726	43726	43726	44740	44740	44740	44676	44676	44677	44677	44678	44678	44678	44676	44677	44677	44676	44677	44676	44677	44677	44693	44692	44692	44692	44693	44693	44693	44693	44692	44692	44692	44693	44693	44694	44782	44782	
									Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Clay, sand & Gravel																																			0
Benzene	mg/l	0.001	0.001	79	1	<1	0																																									21
Carbon Tetrachloride	mg/l	0.001	0.004	79	1	<1	0																																									21
Dibromomethane	mg/l	0.001	No WSV	79	1	<1	0																																									21
1,2-Dichloropropane	mg/l	0.001	0.04	79	1	<1	0																																									21
Bromodichloromethane	mg/l	0.01	See Trihalomethanes	79	<4	<10	0																																									21
Trichloroethene	mg/l	0.001	0.01 (sum of TCE & PCE)	79	1	1	0																																									18
cis 1,3-Dichloropropene	mg/l	0.001	No WSV	79	1	<1	0																																									21
trans 1,3-Dichloropropene	mg/l	0.001	No WSV	79	1	<1	0																																									21
1,1,2-Trichloroethane	mg/l	0.001	N/A	79	1	<1	0																																									21
Toluene	mg/l	0.001	0.7	79	1	<1	0																																									21
1,3-Dichloropropane	mg/l	0.001	No WSV	79	1	<1	0																																									21
Dibromochloromethane	mg/l	0.003	See Trihalomethanes	79	<1	<3	0																																									21
1,2-Dibromoethane	mg/l	0.001	0.0004	79	1	<1	0																																									21
Tetrachloroethene	mg/l	0.001	0.01 (sum of TCE & PCE)	79	1	<1	0																																									18
1,1,1,2-Tetrachloroethane	mg/l	0.001	No WSV	79	1	<1	0																																									21
Chlorobenzene	mg/l	0.001	N/A	79	1	<1	0																																									21
Ethylbenzene	mg/l	0.001	0.3	79	1	<1	0																																									21
m & p Xylene	mg/l	0.001	No WSV	79	1	<2	0																																									21
Bromoform	mg/l	0.001	See Trihalomethanes	79	1	<1	0																																									21
Styrene	mg/l	0.001	0.02	79	1	<1	0																																									21
1,1,2,2-Tetrachloroethane	mg/l	0.001	No WSV	79	1	<1	0																																									21
o-Xylene	mg/l	0.001	See Xylenes (total)	79	1	<1	0																																									21
1,2,3-Trichloropropane	mg/l	0.001	No WSV	79	1	<1	0																																									21
Isopropylbenzene	mg/l	0.001	No WSV	79	1	<1	0																																									21
Bromobenzene	mg/l	0.001	No WSV	79	1	<1	0																																									21
2-Chlorotoluene	mg/l	0.001	No WSV	79	1	<1	0																																									21
n-propylbenzene	mg/l	0.001	No WSV	79	1	<1	0																																									21
4-Chlorotoluene	mg/l	0.001	No WSV	79	1	<1	0																																									21
1,2,4-Trimethylbenzene	mg/l	0.001	No WSV	79	1	<1	0																																									21
4-Isopropyltoluene	mg/l	0.001	No WSV	79	1	<1	0																																									21
1,3,5-Trimethylbenzene	mg/l	0.001	No WSV	79	1	<1	0																																									21
1,2-Dichlorobenzene	mg/l	0.001	1	79	1	<1	0																																									21
1,4-Dichlorobenzene	mg/l	0.001	0.3	79	1	<1	0																																									21
sec-Butylbenzene	mg/l	0.001	No WSV	79	1	<1	0																																									21
tert-Butylbenzene	mg/l	0.002	No WSV	79	<1	<2	0																																									21
1,3-Dichlorobenzene	mg/l	0.001	No WSV	79	1	<2	0																																									21
n-butylbenzene	mg/l	0.001	No WSV	79	1	<1	0																																									21
1,2-Dibromo-3-chloropropane	mg/l	0.002	0.001	79	<1	<2	0																																									21
1,2,4-Trichlorobenzene	mg/l	0.003	No WSV	79	<1	<3	0																																									21
1,2,3-Trichlorobenzene	mg/l	0.003	No WSV	79	<1	<3	0																																									21
Hexachlorobutadiene	mg/l	0.001	0.0006	79	1	<1	0																																									21
TPH CWG																																																0
Aliphatic TPH >C5-C6	mg/l	0.001	15	79	1	<3	0							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	52
Aliphatic TPH >C6-C8	mg/l	0.001	15	79	<1	3	0							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	52
Aliphatic TPH >C8-C10	mg/l	0.005	0.3	79	<1	10	1	BH4460, 20.5m						<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	52
Aliphatic TPH >C10-C12	mg/l	0.005	0.3	79	<5	<10	1	BH4460, 20.5m						<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	52
Aliphatic TPH >C12-C16	mg/l	0.005	0.3	79	5	<10	0							<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	52
Aliphatic TPH >C16-C21	mg/l	0.005	N/A	79	5	<10	0							<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	52
Aliphatic TPH >C21-C35	mg/l	0.005	N/A	79	<5	<10	0							<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	52
Total Aliphatics	mg/l	0.005	No WSV	79	<5	25	0							<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	52
Aromatic TPH >C5-C7	mg/l	0.001	0.01	79	1	<1	0							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	52
Aromatic TPH >C7-C8	mg/l	0.001	0.7	79	1	<1	0							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	52
Aromatic TPH >C8-C10	mg/l	0.005	0.3	79	<1	<10	0							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	52
Aromatic TPH >C10-C12	mg/l	0.005	0.09	79	<5	21	2	BH4460, 20.5m; BH4463, 7m						21	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	52
Aromatic TPH >C12-C16	mg/l	0.005	0.09	79	<5	20	2	BH4460, 20.5m; BH4463, 7m						20	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	52
Aromatic TPH >C16-C21	mg/l	0.005	0.09	79	<5	<10	1	BH4460, 20.5m						<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	52
Aromatic TPH >C21-C35	mg/l	0.01	0.09	79	10	<10	0							<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	52
Total Aromatics	mg/l	0.01	No WSV	79	<10	41	0							41	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	52
TPH (Ali & Aro >C5-C35)	mg/l	0.01	No WSV	79	<10	56	0																																									18
Benzene	mg/l	0.001	0.001	79	1	<1	0							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	52
Toluene	mg/l	0.001	0.7	79	1	<1	0							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	52
Ethyl Benzene	mg/l	0.001	No WSV	79	1	<1	0							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	52
m & p Xylene	mg/l	0.001	No WSV	79	1	<1	0							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	52
o Xylene	mg/l	0.001	No WSV	79	1	<1	0							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	52
MTBE	mg/l	0.001	No WSV	79	1	<1	0							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	52
VOCs																																																0
Dichlorodifluoromethane	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Chloromethane	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Vinyl Chloride	mg/l	0.000001	0.0005	80	<0.001	10.5	1	BH5, 5m	<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	10.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Bromomethane	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Chloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Trichlorofluoromethane	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,1-dichloroethylene	mg/l	0.000001	N/A	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Methylene Chloride	mg/l	0.000001	No WSV	80	<0.027	<1	0		<0.027	<0.027	<0.027			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	56
Cis-1,2-dichloroethene	mg/l	0.000001	No WSV	80	<1	12.1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	10.8	<1	<1	<1	8.9	11.5	<1	12.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	31
Trans-1,2-dichloroethylene	mg/l	0.000001	N/A	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,1-dichloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Cis-1,2-dichloroethylene	mg/l	0.000001	N/A	80	<0.001	<1	0		0.01	0.013	0.012	<0.001	0.012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
2,2-dichloropropane	mg/l	0.000001	No WSV	80	<0.002	<1	0		<0.002	<0.002	<0.002	<0.002	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Bromochloromethane	mg/l	0.000001	No WSV	80	<0.004	<1	0		<0.004	<0.004	<0.004	<0.004	<0.004	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Chloroform	mg/l	0.000001	See Trihalomethanes	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,1,1-trichloroethane	mg/l	0.000001	N/A	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,1-dichloropropene	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Carbon tetrachloride	mg/l	0.000001	0.004	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Benzene	mg/l	0.000001	0.001	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,2-dichloroethane	mg/l	0.000001	0.003	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Trichloroethylene	mg/l	0.000001	0.01 (sum of TCE & PCE)	80	0.001	<1	0		<0.001	0.001	0.001	<0.001	0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,2-dichloropropane	mg/l	0.000001	0.04	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Dibromomethane	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Bromodichloromethane	mg/l	0.000001	See Trihalomethanes	80	<0.004	<1	0		<0.004	<0.004	<0.004	<0.004	<0.004	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
cis-1,3-dichloropropene	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Toluene	mg/l	0.000001	0.7	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
trans-1,3-dichloropropene	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,1,2-trichloroethane	mg/l	0.000001	N/A	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Tetrachloroethylene	mg/l	0.000001	0.01 (sum of TCE & PCE)	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,3-dichloropropane	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Dibromochloromethane	mg/l	0.000001	See Trihalomethanes	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,2-dibromoethane	mg/l	0.000001	0.0004	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Chlorobenzene	mg/l	0.000001	N/A	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,1,1,2-tetrachloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Ethylbenzene	mg/l	0.000001	0.3	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
m+p-Xylene	mg/l	0.000001	No WSV	80	<0.002	<1	0		<0.002	<0.002	<0.002	<0.002	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
o-Xylene	mg/l	0.000001	See Xylenes (total)	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Styrene	mg/l	0.000001	0.02	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Bromoform	mg/l	0.000001	See Trihalomethanes	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Isopropylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,1,2,2-tetrachloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Bromobenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,2,3-trichloropropane	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
n-propylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
2-chlorotoluene	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,3,5-trimethylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
4-chlorotoluene	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Tert-butylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,2,4-trimethylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
sec-butylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
p-isopropyltoluene	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,3-dichlorobenzene	mg/l	0.000001	No WSV	80	<0.002	<1	0		<0.002	<0.002	<0.002	<0.002	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,4-dichlorobenzene	mg/l	0.000001	0.3	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
n-butylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,2-dichlorobenzene	mg/l	0.000001	1	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,2-dibromo-3-chloropropane	mg/l	0.000001	0.001	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,2,4-trichlorobenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Hexachlorobutadiene	mg/l	0.000001	0.0006	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
Naphthalene	mg/l	0.000001	See BaP	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
1,2,3-trichlorobenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
MTBE	mg/l	0.000001	No WSV	80	<0.001	<1	0		<0.001	<0.001	<0.001	<0.001	<0.001	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	58
SVOCs																																																0
Aniline	mg/l	0.00005	No WSV	80	<0.05	7	0							<0.05	<0.05	1.9	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	7	<0.05	5.9	<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	<0.05	<0.05	<0.05	<0.05	34
Phenol	mg/l	0.00005	0.05	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
2-Chlorophenol	mg/l	0.00005	0.3	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
Bis(2-chloroethyl)ether	mg/l	0.00005	No WSV	80	<0.05	0.65	0							0.65	0.43	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
1,3-Dichlorobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
1,2-Dichlorobenzene	mg/l	0.00005	1	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
1,4-Dichlorobenzene	mg/l	0.00005	0.3	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
Bis(2-chloroisopropyl)ether	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
2-Methylphenol	mg/l	0.00005	No WSV	80	<0.05	0.53	0							<0.05	<0.05	0.53	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	34
Hexachloroethane	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
Nitrobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
4-Methylphenol	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
Isophorone	mg/l	0.00005	No WSV	80	<0.05	3.4	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	<0.05	3.4	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
2-Nitrophenol	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
2,4-Dimethylphenol	mg/l	0.00005	No WSV	80	<0.05	1.7	0							<0.05	<0.05	1.7	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	34
Bis(2-chloroethoxy)methane	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
1,2,4-Trichlorobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
Naphthalene	mg/l	0.00001	See BaP	80	<0.01	0.79	0							<0.01	<0.01	0.79	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	34
2,4-Dichlorophenol	mg/l	0.00005	N/A	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
4-Chloroaniline	mg/l	0.00005	No WSV	80	<0.05	0.27	0							<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.27	<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	<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	34
Hexachlorobutadiene	mg/l	0.00005	0.0006	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
4-Chloro-3-methylphenol	mg/l	0.00005	N/A	80	<0.05	0.53	0							<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.53	<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	<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	34
2,4,6-Trichlorophenol	mg/l	0.00005	0.2	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
2,4,5-Trichlorophenol	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
2-Methylnaphthalene	mg/l	0.00005	No WSV	80	<0.05	0.37	0							<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.37	<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	<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	34
2-Chloronaphthalene	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
Dimethylphthalate	mg/l	0.00005	N/A	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
2,6-Dinitrotoluene	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
Acenaphthylene	mg/l	0.00001	See BaP	80	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	34
Acenaphthene	mg/l	0.00001	See BaP	80	<0.01	1	0							<0.01	<0.01	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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	34
2,4-Dinitrotoluene	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
Dibenzofuran	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
4-Chlorophenyl phenyl ether	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
Diethyl phthalate	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
4-Nitroaniline	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
Fluorene	mg/l	0.00001	See BaP	80	<0.01	0.48	0							<0.01	<0.01	0.48	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	34
Azobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
Bromophenyl phenyl ether	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
Hexachlorobenzene	mg/l	0.00005	0.00005	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
Phenanthrene	mg/l	0.00001	See BaP	80	<0.01	0.3	0							<0.01	<0.01	0.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	34
Anthracene	mg/l	0.00001	See BaP	80	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	34
Carbazole	mg/l	0.00005	No WSV	80	<0.05	1	0							<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
Dibutyl phthalate	mg/l	0.00005	0.35	80	<0.05	0.1	0							<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	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	<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	<0.05	34

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Assessment Criteria :	Drinking Water Standard England and Wales/WHO
CaCO (mg/l):	0.00
pH	0.00
Calcium (mg/l):	0.00
DOC (mg/l)	0.00
Catchment area:	Drinking Water Standard

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	BH103	BH4	BH101	BH103	BH4	BH4463	QAQC1 - BH4463	QAQC2 - Blank	BH1	BH2	BH3	BH4	BH5	BH6	BH7	BH101	BH102	BH103	BH4454	BH4456	BH4458	BH4460	BH4461	BH1	BH2	BH3	BH4	BH5	BH6	BH101	BH103	BH4454	BH4456	BH4458	BH4460	BH4461	BH7	BH4463	QAQC1	
														7m	None Suppliedm	None Suppliedm	6m	5.5m	5.5m	5m	4.5m	4.35m	6m	6.08m	5.75m	6m	5m	6.2m	13.75m	11.25m	6m	5.5m	5.5m	5m	4.5m	6m	5.75m	6m	5m	6.2m	13.75m	11.25m	4.35m	6.8m	None Suppliedm	
									43690	43690	43726	43726	43726	44740	44740	44740	44676	44676	44677	44678	44678	44678	44676	44677	44677	44676	44677	44676	44677	44677	44693	44692	44692	44693	44693	44693	44693	44693	44692	44692	44692	44693	44693	44694	44782	44782	
									Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Clay, sand & Gravel																																				
Anthraquinone	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0
Fluoranthene	mg/l	0.00001	See BaP	80	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	34
Pyrene	mg/l	0.00001	See BaP	80	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	34
Butyl benzyl phthalate	mg/l	0.00005	No WSV	80	<0.05	<0.05	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	34
Benzo(a)anthracene	mg/l	0.00001	See BaP	80	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	34
Chrysene	mg/l	0.00001	See BaP	80	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	34
Benzo(b)fluoranthene	mg/l	0.00001	See PAH Sum of 4	80	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	34
Benzo(k)fluoranthene	mg/l	0.00001	See PAH Sum of 4	80	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	34
Benzo(a)pyrene	mg/l	0.00001	0.00001	80	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	34
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	No WSV	80	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	34
Dibenz(a,h)anthracene	mg/l	0.00001	See BaP	80	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	34
Benzo(ghi)perylene	mg/l	0.00001	See PAH Sum of 4	80	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	34
3&4-Methylphenol	mg/l	0.0001	No WSV	80	<0.1	<0.1	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	<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	34
Methane	mg/L	0.1	No WSV	80	0.1	1.7	0							<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	1.7	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	0.1	<0.1	<0.1	34

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ATKINS

Assessment Criteria :	Drinking Water Standard England and Wales/WHO
CaCO (mg/l):	0.00
pH	0.00
Calcium (mg/l):	0.00
DOC (mg/l)	0.00
Catchment area:	Drinking Water Standard

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	Location	Sample ID	Depth	Date	Strata	Zone																	
										ATKBH5906	BH4459	ATKBH5910	BH4462	ATKBH5907	BH4455	ATK BH5907	ATK BH5910	ATK BH5906	BH4455	BH4459	BH4462	ATK BH5906	BH4455	BH4459	BH4462	ATK BH5907	ATK BH5910		
										8.4m	6.9m	4.8m	7.9m	7.5m	5.5m	10m	6.15m	10.3m	6m	8.75m	9.25m	10.3m	6m	8.75m	9.25m	10m	6.2m		
										44214	44214	44214	44214	44214	44216	44740	44740	44676	44677	44676	44676	44693	44692	44692	44693	44782	44782		
										Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill				
pH	pH	0.01	6.5-9.5	18	7.2	10	2	BH4462, 9.25m; BH4462, 9.25m		7.94	7.91	8	8.21	7.5	7.51	8.7	8.8	8.2	8.7	7.2	10	8	8.7	7.3	9.9	8.8	8.6		18
pH BRE	pH	0.01	No WSV	18	7.5	8.21	0			7.94	7.91	8	8.21	7.5	7.51														6
Hardness Total			No WSV	17	0	0	0								-														1
Ammoniacal nitrogen as N	mg/l	0.02	0.39	18	1.3	190	13	BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m									11.59	26	8.7	3.3	37	1.3	97	36	45	12	100	190	74		13
Ammonia (Free Unionised) as N (w) at 25degC	mg/l	0.000036	No WSV	18	82	82	0								82															1
Ammonia / Ammoniacal Nitrogen as NH3	mg/l	0.024	No WSV	18	1.049	82	0			10.78	1.049	8.718	11.5	20.793	82															6
Sulphate	mg/l	1	250	18	<0.005	663	14	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m		262	380	375	520	512	<0.005	663	296	410	170	283	462	349	135	245	510	551	327		18
Sulphate BRE	mg/l	1	No WSV	18	0.012	520	0			262	380	375	520	512	0.012															6
Cyanide (free)	mg/l	0.005	See Cyanide (total)	17	0.005	<1	0			<0.005	<0.005	<0.005	<0.005	<0.005	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		18
Cyanide (total)	mg/l	0.005	0.05	18	<0.005	19	10	ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m		0.007	<0.005	<0.005	0.01	0.012	<1	19	3.9	4.6	2.7	<1	9.6	5.9	3.9	<1	9	12	4		18
Antimony	mg/l	0.001	0.005	18	<0.4	6	13	BH4462, 7.9m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m		<1	<1	<1	2	<1	6	2.7	1	0.6	0.6	0.7	2.3	<0.4	0.8	0.5	2.4	2.2	0.9		18
Arsenic	mg/l	0.001	0.01	18	0.86	231	18	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m		7	3	15	9	13	231	28.9	13	2.52	2.65	0.89	8.45	2.89	2.74	0.86	7.77	34.9	17.7		18
Boron	mg/l	0.01	1	18	<0.2	1000	17	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m		698	257	715	789	649	<0.2	1000	490	490	190	210	700	530	190	190	740	730	420		18
Cadmium	mg/l	0.0002	0.005	17	0.02	<0.2	5	ATK BH5907, 10m; ATK BH5910, 6.15m; BH4459, 8.75m; BH4459, 8.75m; ATK BH5907, 10m		<0.2	<0.2	<0.2	<0.2	<0.2	-	0.04	0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	0.02	<0.02	0.03	<0.02		18
Copper	mg/l	0.001	2	18	0.9	71	14	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4462, 9.25m; ATK BH5907, 10m		56	38	71	35	19	4	6.4	2.3	0.9	1.3	2.3	4.6	2.5	3.4	1.8	4.1	7.7	1.3		18
Chromium	mg/l	0.001	0.05	18	<0.2	39	13	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m		39	3	9	14	10	33	2.5	0.3	<5	<5	<5	<5	0.7	0.5	<0.2	0.7	1.5	0.3		18
Chromium	mg/l	0.01	0.05	18	<0.01	<5	3	ATK BH5906, 10.3m; BH4455, 6m; BH4462, 9.25m		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<5	<5	0.6	0.4	<0.2	0.8	<5	<5	<5	<5	<5	<5		18
Lead	mg/l	0.001	0.01	18	<0.2	1	4	ATK BH5907, 10m; ATK BH5906, 10.3m; BH4462, 9.25m; ATK BH5907, 10m		<1	<1	<1	<1	<1	<1	1	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	<0.2	<0.2	<0.2	0.5	0.3	<0.2		18
Magnesium	mg/l	1	N/A	18	0.97	59	0			11	47	3	<1	9	8	17	7.1	34	15	59	1.7	25	13	49	0.97	15	15		18
Mercury	mg/l	0.0001	0.001	18	0.05	0.33	3	ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5907, 10m		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.22	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.33	<0.05		18
Nickel	mg/l	0.001	0.02	18	2	7.5	18	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m		3	6	4	6	6	2	7.5	3.8	2.6	2.6	5.7	4.9	2.8	2.5	5.6	5	5.8	3.3		18
Potassium	mg/l	1.2	N/A	18	13	74	0			18	13	37	31	56	32	74	30	24	23	15	37	22	23	14	36	68	31		18
Selenium	mg/l	0.001	0.01	18	0.6	4.8	9	ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m		<1	<1	<1	<1	<1	<1	4.8	1	0.9	<0.6	0.6	1.8	0.7	<0.6	<0.6	1.7	4.3	1.2		18
Zinc	mg/l	0.001	3	18	2.2	10	15	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5910, 6.2m		4	7	4	5	4	5	7.3	10	2.4	2.2	5.4	3.7	3.6	5.3	3.8	3.4	2.3	4		18
PAH 16MS																													0
Acenaphthene	mg/l	0.00001	See BaP	18	<0.01	3.14	0			1.84	0.02	2.75	0.33	1.17	1.97	<0.01	1.29	3.14	0.53	<0.01	<0.01	2.3	0.34	<0.01	<0.01	<0.01	1.99		18
Acenaphthylene	mg/l	0.00001	See BaP	18	<0.01	<0.1	0			<0.1	<0.01	0.07	0.02	<0.1	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		18
Anthracene	mg/l	0.00001	See BaP	18	<0.01	0.6	0			0.14	<0.01	0.15	0.06	0.11	0.28	<0.01	<0.01	0.6	<0.01	<0.01	<0.01	0.29	<0.01	<0.01	<0.01	<0.01	<0.01		18
Benzo(a)anthracene	mg/l	0.00001	See BaP	18	0.01	<0.1	0			<0.1	<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		18
Benzo(a)pyrene	mg/l	0.00001	0.00001	18	<<0.01	<0.1	0			<0.1	<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		18
Benzo(b)fluoranthene	mg/l	0.00001	See PAH Sum of 4	18	<<0.01	<0.1	0			<0.1	<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		18
Benzo(ghi)perylene	mg/l	0.00001	See PAH Sum of 4	18	<<0.01	<0.1	0			<0.1	<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		18
Benzo(k)fluoranthene	mg/l	0.00001	See PAH Sum of 4	18	<<0.01	<0.1	0			<0.1	<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		18
Chrysene	mg/l	0.00001	See BaP	18	<0.01	<0.1	0			<0.1	<0.01	<0.01	<0.01	<0.1	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		18
Dibenzo(ah)anthracene	mg/l	0.00001	No WSV	18	<<0.01	<0.1	0			<0.1	<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		18
Fluoranthene	mg/l	0.00001	See BaP	18	<0.01	0.67	0			0.24	0.03	0.18	0.07	0.15	0.56	<0.01	<0.01	0.67	<0.01	<0.01	<0.01	0.41	<0.01	<0.01	<0.01	<0.01	<0.01		18
Fluorene	mg/l	0.00001	See BaP	18	<0.01	4.53	0			0.9	0.02	1.24	0.22	0.59	4.53	<0.01	0.58	2.14	0.43	<0.01	<0.01	1.53	0.26	<0.01	<0.01	<0.01	1.02		18
Indeno(123-cd)pyrene	mg/l	0.00001	See PAH Sum of 4	18	<<0.01	<0.1	0			<0.1	<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		18
Naphthalene	mg/l	0.00001	See BaP	18	<0.01	7.96	0			1.3	0.02	7.96	1.26	3.47	4.22	<0.01	2.02	1.24	1.51	<0.01	<0.01	0.82	1.06	<0.01	<0.01	<0.01	3.08		18
Phenanthrene	mg/l	0.00001	See BaP	18	<0.01	3.09	0			1.32	0.02	1.12	0.4	0.77	3.03	<0.01	0.38	3.09	0.44	<0.01	<0.01	2.04	0.26	<0.01	<0.01	<0.01	0.61		18
Pyrene	mg/l	0.00001	See BaP	18	<0.01	0.43	0			0.16	0.02	0.11	0.06	0.12	0.34	<0.01	<0.01	0.43	<0.01	<0.01	<0.01	0.25	<0.01	<0.01	<0.01	<0.01	<0.01		18
Total PAH 16MS	mg/l	0.00001	No WSV	18	0.13	15	0			5.9	0.13	13.6	2.42	6.38	15	<0.16	4.27	11.3	2.91	<0.16	<0.16	7.64	1.92	<0.16	<0.16	<0.16	6.7		18
SVOC (excluding PAH-16)																													0
2,4,5-Trichlorophenol	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
2,4,6-Trichlorophenol	mg/l	0.001	0.2	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
2,4-Dichlorophenol	mg/l	0.001	N/A	18	<1	3	0			<1	<1	<1	<1	3	<1														6
2,4-Dimethylphenol	mg/l	0.001	No WSV	18	1	8	0			1	<1	2	<1	8	1														6
2,4-Dinitrotoluene	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
2,6-Dinitrotoluene	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
2-Chloronaphthalene	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
2-Chlorophenol	mg/l	0.001	0.3	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
2-Methylnaphthalene	mg/l	0.001	No WSV	18	1	1	0			<1	<1	1	<1	<1	<1														6
2-Methylphenol	mg/l	0.001	No WSV	18	1	7	0			<1	<1	1	<1	7	2														6
2-Nitrophenol	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
4-Bromophenyl phenyl ether	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
4-Chloro-3-methylphenol	mg/l	0.001	N/A	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
Bis(2-chloroisopropyl)ether	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
3+4-Methylphenol	mg/l	0.001	No WSV	18	1	14	0			10	<1	6	1	14	3														6
4-Nitrophenol	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
Bis(2-chloroethyl)ether	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
Bis(2-chloroethoxy)methane	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
Bis(2-ethylhexyl)phthalate	mg/l	0.01	No WSV	18	<10	<10	0			<10	<10	<10	<10	<10	<10														6
Butylbenzyl phthalate	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
Carbazole	mg/l	0.001	No WSV	18	1	2	0			<1	<1	2	<1	1	1														6
Dibenzofuran	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
n-Dibutylphthalate	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
n-Dioctylphthalate	mg/l	0.01	No WSV	18	<10	<10	0			<10	<10	<10	<10	<10	<10														6
n-Nitroso-n-dipropylamine	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
Diethyl phthalate	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
Dimethyl phthalate	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
Hexachlorobenzene	mg/l	0.001	0.00005	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
Pentachlorophenol (SVOC)	mg/l	0.001	No WSV	18	1	3	0			<1	<1	3	2	1	2														6
Phenol	mg/l	0.001	0.05	18	<1	109	4	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m; BH4455, 5.5m		40	<1	28	<1	32	109														6
Hexachloroethane	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
Nitrobenzene	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
Isophorone	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
Hexachlorocyclopentadiene	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
Perylene	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
VOC	mg/l	0	No WSV	18	0	0	0																						0
Dichlorodifluoromethane	mg/l	0.001	No WSV	18	1	2	0			2	<1	<1	<1	1	<1														6
Chloromethane	mg/l	0.01	No WSV	18	<10	<10	0			<10	<10	<10	<10	<10	<10														6
Vinyl Chloride	mg/l	0.001	0.0005	18	<1	4	1	BH4459, 6.9m		<1	4	<1	<1	<1	<1														6
Bromomethane	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6
Chloroethane	mg/l	0.001	No WSV	18	<1	<1	0			<1	<1	<1	<1	<1	<1														6

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ATKINS

Assessment Criteria :	Drinking Water Standard England and Wales/WHO																																			
CaCO (mg/l):	0.00		pH	0.00																																
Calcium (mg/l):	0.00		DOC (mg/l)	0.00		Catchment area:	Drinking Water Standard																															
									Location																													
									Sample ID		ATKBH5906	BH4459	ATKBH5910	BH4462	ATKBH5907	BH4455	ATK BH5907	ATK BH5910	ATK BH5906	BH4455	BH4459	BH4462	ATK BH5906	BH4455	BH4459	BH4462	ATK BH5907	ATK BH5910								
									Depth		8.4m	6.9m	4.8m	7.9m	7.5m	5.5m	10m	6.15m	10.3m	6m	8.75m	9.25m	10.3m	6m	8.75m	9.25m	10m	6.2m								
									Date		44214	44214	44214	44214	44214	44216	44740	44740	44676	44677	44676	44676	44693	44692	44692	44693	44782	44782								
Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	Strata	Zone	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill								
Trichlorofluoromethane	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
trans 1,2-Dichloroethene	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
Dichloromethane	mg/l	0.005	0.02	18	<5	<5	0				<5	<5	<5	<5	<5	<5																				6
Carbon Disulphide	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
1,1-Dichloroethene	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
1,1-Dichloroethane	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
cis 1,2-Dichloroethene	mg/l	0.001	No WSV	18	<1	23	0				<1	23	<1	<1	<1	<1																				6
Bromochloromethane	mg/l	0.005	No WSV	18	<5	<5	0				<5	<5	<5	<5	<5	<5																				6
Chloroform	mg/l	0.001	See Trihalomethanes	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
2,2-Dichloropropane	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
1,2-Dichloroethane	mg/l	0.002	0.003	18	2	2	1	BH4459, 6.9m			<2	2	<2	<2	<2	<2																				6
1,1,1-Trichloroethane	mg/l	0.001	N/A	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
1,1-Dichloropropene	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
Benzene	mg/l	0.001	0.001	18	1	3	3	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m			1	<1	3	<1	1	<1																				6
Carbon Tetrachloride	mg/l	0.001	0.004	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
Dibromomethane	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
1,2-Dichloropropane	mg/l	0.001	0.04	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
Bromodichloromethane	mg/l	0.01	See Trihalomethanes	18	<10	<10	0				<10	<10	<10	<10	<10	<10																				6
Trichloroethene	mg/l	0.001	0.01 (sum of TCE & PCE)	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
cis 1,3-Dichloropropene	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
trans 1,3-Dichloropropene	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
1,1,2-Trichloroethane	mg/l	0.001	N/A	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
Toluene	mg/l	0.001	0.7	18	1	1	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m			1	<1	1	<1	<1	<1																				6
1,3-Dichloropropane	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
Dibromochloromethane	mg/l	0.003	See Trihalomethanes	18	<3	<3	0				<3	<3	<3	<3	<3	<3																				6
1,2-Dibromoethane	mg/l	0.001	0.0004	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
Tetrachloroethene	mg/l	0.001	0.01 (sum of TCE & PCE)	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
1,1,1,2-Tetrachloroethane	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
Chlorobenzene	mg/l	0.001	N/A	18	<1	4	0				<1	<1	4	<1	<1	<1																				6
Ethylbenzene	mg/l	0.001	0.3	18	1	1	1	ATKBH5910, 4.8m			<1	<1	1	<1	<1	<1																				6
m & p Xylene	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
Bromoform	mg/l	0.001	See Trihalomethanes	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
Styrene	mg/l	0.001	0.02	18	<1	3	1	ATKBH5910, 4.8m			<1	<1	3	<1	<1	<1																				6
1,1,2,2-Tetrachloroethane	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
o-Xylene	mg/l	0.001	See Xylenes (total)	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
1,2,3-Trichloropropane	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
Isopropylbenzene	mg/l	0.001	No WSV	18	1	1	0				<1	<1	1	<1	<1	<1																				6
Bromobenzene	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
2-Chlorotoluene	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
n-propylbenzene	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
4-Chlorotoluene	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
1,2,4-Trimethylbenzene	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
4-Isopropyltoluene	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
1,3,5-Trimethylbenzene	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
1,2-Dichlorobenzene	mg/l	0.001	1	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
1,4-Dichlorobenzene	mg/l	0.001	0.3	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
sec-Butylbenzene	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
tert-Butylbenzene	mg/l	0.002	No WSV	18	<2	<2	0				<2	<2	<2	<2	<2	<2																				6
1,3-Dichlorobenzene	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
n-butylbenzene	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
1,2-Dibromo-3-chloropropane	mg/l	0.002	0.001	18	<2	<2	0				<2	<2	<2	<2	<2	<2																				6
1,2,4-Trichlorobenzene	mg/l	0.003	No WSV	18	<3	<3	0				<3	<3	<3	<3	<3	<3																				6
1,2,3-Trichlorobenzene	mg/l	0.003	No WSV	18	<3	<3	0				<3	<3	<3	<3	<3	<3																				6
Hexachlorobutadiene	mg/l	0.001	0.0006	18	<1	<1	0				<1	<1	<1	<1	<1	<1																				6
TPH CWG																																				0
Aliphatic TPH >C5-C6	mg/l	0.001	15	18	<<1	<3	0				<3	<3	<3	<3	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								18
Aliphatic TPH >C6-C8	mg/l	0.001	15	18	<1	3	0				3	<1	2	2	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								18
Aliphatic TPH >C8-C10	mg/l	0.005	0.3	18	<1	17	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m			8	<5	17	<5	<5	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								18
Aliphatic TPH >C10-C12	mg/l	0.005	0.3	18	5	<10	2	ATKBH5910, 4.8m; ATKBH5907, 7.5m			<5	<5	8	<5	5	<5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10								18
Aliphatic TPH >C12-C16	mg/l	0.005	0.3	18	<5	<10	0				<5	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10								18
Aliphatic TPH >C16-C21	mg/l	0.005	N/A	18	<5	<10	0				<5	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10								18
Aliphatic TPH >C21-C35	mg/l	0.005	N/A	18	<5	12	0				<5	<5	<5	<5	8	12	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10								18
Total Aliphatics	mg/l	0.005	No WSV	18	<5	27	0				11	<5	27	<5	13	14	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10								18
Aromatic TPH >C5-C7	mg/l	0.001	0.01	18	1	3	3	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m			1	<1	3	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								18
Aromatic TPH >C7-C8	mg/l	0.001	0.7	18	1	1	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m			1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								18
Aromatic TPH >C8-C10	mg/l	0.005	0.3	18	<1	75	4	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m			28	<5	75	6	20	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								18
Aromatic TPH >C10-C12	mg/l	0.005	0.09	18	<5	77	6	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5910, 6.15m			24	<5	72	22	77	43	<10	16	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10								18
Aromatic TPH >C12-C16	mg/l	0.005	0.09	18	<5	139	7	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m			38	<5	139	43	73	54	64	57	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10								18
Aromatic TPH >C16-C21	mg/l	0.005	0.09	18	<5	67	6	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m			39	<5	66	41	67	66	58	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10								18
Aromatic TPH >C21-C35	mg/l	0.01	0.09	18	<10	42	5	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m			21	<10	23	25	42	36	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10								18
Total Aromatics	mg/l	0.01	No WSV	18	<10	379	0				152	<10	379	137	280	204	120	73	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10								18
TPH (Ali & Aro >C5-C35)	mg/l	0.01	No WSV	18	<10	406	0				163	<10	406	139	293	218																				6
Benzene	mg/l	0.001	0.001	18	1	3	3	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m			1	<1	3	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								18
Toluene	mg/l	0.001	0.7	18	1	1	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m			1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								18
Ethyl Benzene	mg/l	0.001	No WSV	18	1	1	0				<1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								18
m & p Xylene	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								18
o Xylene	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								18
MTBE	mg/l	0.001	No WSV	18	<1	<1	0				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								18
VOCs																																				0
Dichlorodifluoromethane	mg/l	0.000001	No WSV	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
Chloromethane	mg/l	0.000001	No WSV	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
Vinyl Chloride	mg/l	0.000001	0.0005	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
Bromomethane	mg/l	0.000001	No WSV	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
Chloroethane	mg/l	0.000001	No WSV	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
Trichlorofluoromethane	mg/l	0.000001	No WSV	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
1,1-dichloroethylene	mg/l	0.000001	N/A	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
Methylene Chloride	mg/l	0.000001	No WSV	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
Cis-1,2-dichloroethene	mg/l	0.000001	No WSV	18	<1	11.3	0										<1	<1	11.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								10
Trans-1,2-dichloroethylene	mg/l	0.000001	N/A	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
1,1-dichloroethane	mg/l	0.000001	No WSV	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
Cis-1,2-dichloroethylene	mg/l	0.000001	N/A	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
2,2-dichloropropane	mg/l	0.000001	No WSV	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
Bromochloromethane	mg/l	0.000001	No WSV	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
Chloroform	mg/l	0.000001	See Trihalomethanes	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
1,1,1-trichloroethane	mg/l	0.000001	N/A	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
1,1-dichloropropene	mg/l	0.000001	No WSV	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
Carbon tetrachloride	mg/l	0.000001	0.004	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
Benzene	mg/l	0.000001	0.001	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
1,2-dichloroethane	mg/l	0.000001	0.003	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
Trichloroethylene	mg/l	0.000001	0.01 (sum of TCE & PCE)	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
1,2-dichloropropane	mg/l	0.000001	0.04	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
Dibromomethane	mg/l	0.000001	No WSV	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
Bromodichloromethane	mg/l	0.000001	See Trihalomethanes	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
cis-1,3-dichloropropene	mg/l	0.000001	No WSV	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
Toluene	mg/l	0.000001	0.7	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
trans-1,3-dichloropropene	mg/l	0.000001	No WSV	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
1,1,2-trichloroethane	mg/l	0.000001	N/A	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
Tetrachloroethylene	mg/l	0.000001	0.01 (sum of TCE & PCE)	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12
1,3-dichloropropane	mg/l	0.000001	No WSV	18	<1	<1	0										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1								12

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ATKINS

Assessment Criteria :	Drinking Water Standard England and Wales/WHO																															
CaCO (mg/l):	0.00			pH	0.00																											
Calcium (mg/l):	0.00			DOC (mg/l)	0.00		Catchment area:	Drinking Water Standard																										
									Location																								
									Sample ID	ATKBH5906	BH4459	ATKBH5910	BH4462	ATKBH5907	BH4455	ATK BH5907	ATK BH5910	ATK BH5906	BH4455	BH4459	BH4462	ATK BH5906	BH4455	BH4459	BH4462	ATK BH5907	ATK BH5910					
									Depth	8.4m	6.9m	4.8m	7.9m	7.5m	5.5m	10m	6.15m	10.3m	6m	8.75m	9.25m	10.3m	6m	8.75m	9.25m	10m	6.2m					
									Date	44214	44214	44214	44214	44214	44216	44740	44740	44676	44677	44676	44676	44693	44692	44692	44693	44782	44782					
									Strata	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill						
Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	Zone																							
Dibromochloromethane	mg/l	0.000001	See Trihalomethanes	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
1,2-dibromoethane	mg/l	0.000001	0.0004	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
Chlorobenzene	mg/l	0.000001	N/A	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
1,1,1,2-tetrachloroethane	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
Ethylbenzene	mg/l	0.000001	0.3	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
m+p-Xylene	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
o-Xylene	mg/l	0.000001	See Xylenes (total)	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
Styrene	mg/l	0.000001	0.02	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
Bromoform	mg/l	0.000001	See Trihalomethanes	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
Isopropylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
1,1,2,2-tetrachloroethane	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
Bromobenzene	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
1,2,3-trichloropropane	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
n-propylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
2-chlorotoluene	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
1,3,5-trimethylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
4-chlorotoluene	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
Tert-butylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
1,2,4-trimethylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
sec-butylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
p-isopropyltoluene	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
1,3-dichlorobenzene	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
1,4-dichlorobenzene	mg/l	0.000001	0.3	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
n-butylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
1,2-dichlorobenzene	mg/l	0.000001	1	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
1,2-dibromo-3-chloropropane	mg/l	0.000001	0.001	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
1,2,4-trichlorobenzene	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
Hexachlorobutadiene	mg/l	0.000001	0.0006	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
Naphthalene	mg/l	0.000001	See BaP	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
1,2,3-trichlorobenzene	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
MTBE	mg/l	0.000001	No WSV	18	<1	<1	0									<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					12
SVOCs																																0
Aniline	mg/l	0.00005	No WSV	18	<0.05	3.3	0									<0.05	2.4	<0.05	<0.05	<0.05	1.9	<0.05	<0.05	<0.05	<0.05	3.3	2.2					12
Phenol	mg/l	0.00005	0.05	18	<0.05	16	3	BH4455, 6m; BH4455, 6m; ATK BH5910, 6.2m								<0.05	<0.05	<0.05	16	<0.05	<0.05	<0.05	<0.05	13	<0.05	<0.05	3.3					12
2-Chlorophenol	mg/l	0.00005	0.3	18	<0.05	<0.05	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					12
Bis(2-chloroethyl)ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
1,3-Dichlorobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
1,2-Dichlorobenzene	mg/l	0.00005	1	18	<0.05	<0.05	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					12
1,4-Dichlorobenzene	mg/l	0.00005	0.3	18	<0.05	<0.05	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					12
Bis(2-chloroisopropyl)ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
2-Methylphenol	mg/l	0.00005	No WSV	18	<0.05	7.7	0									<0.05	7.7	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.7	<0.05					12
Hexachloroethane	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
Nitrobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
4-Methylphenol	mg/l	0.00005	No WSV	18	<0.05	2.5	0									<0.05	<0.05	<0.05	2.5	<0.05	<0.05	<0.05	1.6	<0.05	<0.05	<0.05	<0.05					12
Isophorone	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
2-Nitrophenol	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
2,4-Dimethylphenol	mg/l	0.00005	No WSV	18	<0.05	3.6	0									3.5	3.6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	3.6	1.6					12
Bis(2-chloroethoxy)methane	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
1,2,4-Trichlorobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
Naphthalene	mg/l	0.00001	See BaP	18	<0.01	3.1	0									<0.01	2	1.2	1.5	<0.01	<0.01	0.82	1.1	<0.01	<0.01	<0.01	3.1					12
2,4-Dichlorophenol	mg/l	0.00005	N/A	18	<0.05	<0.05	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					12
4-Chloroaniline	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
Hexachlorobutadiene	mg/l	0.00005	0.0006	18	<0.05	<0.05	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					12
4-Chloro-3-methylphenol	mg/l	0.00005	N/A	18	<0.05	<0.05	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					12
2,4,6-Trichlorophenol	mg/l	0.00005	0.2	18	<0.05	<0.05	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					12
2,4,5-Trichlorophenol	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
2-Methylnaphthalene	mg/l	0.00005	No WSV	18	<0.05	0.41	0									<0.05	0.41	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05					12
2-Chloronaphthalene	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
Dimethylphthalate	mg/l	0.00005	N/A	18	<0.05	<0.05	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					12
2,6-Dinitrotoluene	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
Acenaphthylene	mg/l	0.00001	See BaP	18	<0.01	<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	<0.01					12
Acenaphthene	mg/l	0.00001	See BaP	18	<0.01	3.1	0									<0.01	1.3	3.1	0.53	<0.01	<0.01	2.3	0.34	<0.01	<0.01	<0.01	2					12
2,4-Dinitrotoluene	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
Dibenzofuran	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
4-Chlorophenyl phenyl ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
Diethyl phthalate	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
4-Nitroaniline	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
Fluorene	mg/l	0.00001	See BaP	18	<0.01	2.1	0									<0.01	0.58	2.1	0.43	<0.01	<0.01	1.5	0.26	<0.01	<0.01	<0.01	1					12
Azobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
Bromophenyl phenyl ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
Hexachlorobenzene	mg/l	0.00005	0.00005	18	<0.05	<0.05	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					12
Phenanthrene	mg/l	0.00001	See BaP	18	<0.01	3.1	0									<0.01	0.38	3.1	0.44	<0.01	<0.01	2	0.26	<0.01	<0.01	<0.01	0.61					12
Anthracene	mg/l	0.00001	See BaP	18	<0.01	0.6	0									<0.01	<0.01	0.6	<0.01	<0.01	<0.01	0.29	<0.01	<0.01	<0.01	<0.01	<0.01					12
Carbazole	mg/l	0.00005	No WSV	18	<0.05	3.2	0									<0.05	1.1	3.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.1					12
Dibutyl phthalate	mg/l	0.00005	0.35	18	<0.05	<0.05	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					12
Anthraquinone	mg/l	0.00005	No WSV	18	<0.05	0.81	0									<0.05	<0.05	0.81	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05					12
Fluoranthene	mg/l	0.00001	See BaP	18	<0.01	0.67	0									<0.01	<0.01	0.67	<0.01	<0.01	<0.01	0.41	<0.01	<0.01	<0.01	<0.01	<0.01					12
Pyrene	mg/l	0.00001	See BaP	18	<0.01	0.43	0									<0.01	<0.01	0.43	<0.01	<0.01	<0.01	0.25	<0.01	<0.01	<0.01	<0.01	<0.01					12
Butyl benzyl phthalate	mg/l	0.00005	No WSV	18	<0.05	<0.05	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					12
Benzo(a)anthracene	mg/l	0.00001	See BaP	18	<0.01	<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	<0.01					12
Chrysene	mg/l	0.00001	See BaP	18	<0.01	<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	<0.01					12
Benzo(b)fluoranthene	mg/l	0.00001	See PAH Sum of 4	18	<0.01	<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	<0.01					12
Benzo(k)fluoranthene	mg/l	0.00001	See PAH Sum of 4	18	<0.01	<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	<0.01					12
Benzo(a)pyrene	mg/l	0.00001	0.00001	18	<0.01	<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	<0.01					12
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	No WSV	18	<0.01	<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	<0.01					12
Dibenz(a,h)anthracene	mg/l	0.00001	See BaP	18	<0.01	<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	<0.01					12
Benzo(ghi)perylene	mg/l	0.00001	See PAH Sum of 4	18	<0.01	<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	<0.01					12
3&4-Methylphenol	mg/l	0.0001	No WSV	18	<0.1	2.5	0									<0.1	<0.1	<0.1	2.5	<0.1	<0.1	<0.1	1.6	<0.1	<0.1	<0.1	<0.1					12
Methane	mg/L	0.1	No WSV	18	<0.1	12	0									2.8	0.8	1.4	0.8	<0.1	1.2	0.7	0.7	<0.1	1.3	12	4.1					12

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Assessment Criteria :	Manual SSAC				
CaCO (mg/l):	102.00	pH	6.96		
Calcium (mg/l):	27.00	DOC (mg/l)	4.90	Catchment area:	Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
pH	pH	0.01	6-9	80	5.9	13.19	0	
pH BRE	pH	0.01	No WSV	79	7.31	8.26	0	
Hardness Total			No WSV	76	130	340	0	
Ammoniacal nitrogen as N	mg/l	0.02	0.2	74	<0.015	23	38	BH4456, 4.5m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH101; BH101; BH103; BH103; BH101; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH101, 6m; BH103, 5.75m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH4463, 6.8m; QAQC1, None Suppliedm
Ammonia (Free Unionised) as N (w) at 25degC	mg/l	0.000036	No WSV	74	1.56843	567	0	
Ammonia / Ammoniacal Nitrogen as NH3	mg/l	0.024	No WSV	79	<0.024	567	0	
Sulphate	mg/l	1	400	80	<0.005	590	8	BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4454, 4.5m; BH101; BH5, 5m; BH102, 6.08m
Sulphate BRE	mg/l	1	No WSV	79	<0.005	472	0	
Cyanide (free)	mg/l	0.005	0.001	76	<0.005	2.4	2	BH4456, 5m; BH4456, 5m
Cyanide (total)	mg/l	0.005	N/A	80	<0.005	6	0	
Antimony	mg/l	0.001	N/A	80	0.4	3	0	
Arsenic	mg/l	0.001	0.05	80	0.15	536	28	BH4885, 4m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH103, 5.75m; BH4456, 5m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH4, 5.5m; BH6, 4.5m; BH103, 5.75m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH4463, 6.8m; QAQC1, None Suppliedm
Boron	mg/l	0.01	2	80	<0.2	490	45	BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm
Cadmium	mg/l	0.0002	0.00015	76	0.02	1.5	36	BH4, 6m; BH3, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm
Copper	mg/l	0.001	0.01137	80	0.4	150	54	BH4456, 4.5m; BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm
Chromium	mg/l	0.001	See Cr VI as first pass	80	0.2	56	0	
Chromium	mg/l	0.01	See Cr VI as first pass	80	<0.01	<5	0	
Lead	mg/l	0.001	0.00371	80	<0.09	15	9	BH4456, 4.5m; BH3, 3.5m; BH7, 3m; BH4460, 20.5m; BH4463, 7m; BH5, 5m; BH4456, 5m; BH5, 5m; BH4456, 5m
Magnesium	mg/l	1	N/A	80	0.037	5300	0	
Mercury	mg/l	0.0001	0.00007	80	<<0.05	<0.2	0	
Nickel	mg/l	0.001	0.00647	80	0.7	53	56	BH4456, 4.5m; BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4; BH101; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm
Potassium	mg/l	1.2	N/A	80	5	69	0	
Selenium	mg/l	0.001	N/A	80	<0.6	16	0	
Zinc	mg/l	0.001	0.0232	80	2	33	56	BH4456, 4.5m; BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4; BH101; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm
PAH 16MS								
Acenaphthene	mg/l	0.00001	Screen BaP only	80	0.01	1.04	0	
Acenaphthylene	mg/l	0.00001	Screen BaP only	80	<0.01	0.02	0	
Anthracene	mg/l	0.00001	0.0001	80	<0.01	0.02	1	BH4460, 20.5m
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	80	0.01	0.01	0	
Benzo(a)pyrene	mg/l	0.00001	0.00000017	80	<0.01	<0.01	0	
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	80	0.01	0.01	0	
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Chrysene	mg/l	0.00001	Screen BaP only	80	0.01	0.01	0	
Dibenzo(ah)anthracene	mg/l	0.00001	No WSV	80	<0.01	<0.01	0	
Fluoranthene	mg/l	0.00001	0.0000063	80	0.01	0.07	3	BH4456, 4.5m; BH5, 3m; BH4460, 20.5m
Fluorene	mg/l	0.00001	N/A	80	<0.01	0.48	0	
Indeno(123-cd)pyrene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Naphthalene	mg/l	0.00001	0.002	80	<0.01	0.79	6	BH4456, 4.5m; BH4886, 3.5m; BH7, 3m; BH4461, 13.2m; BH4460, 20.5m; QAQC2 - Blank, None Suppliedm
Phenanthrene	mg/l	0.00001	Screen BaP only	80	<0.01	0.3	0	
Pyrene	mg/l	0.00001	N/A	80	0.01	0.08	0	
Total PAH 16MS	mg/l	0.00001	No WSV	80	0.01	2.61	0	
SVOC (excluding PAH-16)								
2,4,5-Trichlorophenol	mg/l	0.001	No WSV	79	1	<1	0	
2,4,6-Trichlorophenol	mg/l	0.001	N/A	79	1	<1	0	
2,4-Dichlorophenol	mg/l	0.001	0.0042	79	1	<1	0	
2,4-Dimethylphenol	mg/l	0.001	No WSV	79	1	<1	0	
2,4-Dinitrotoluene	mg/l	0.001	No WSV	79	1	<1	0	
2,6-Dinitrotoluene	mg/l	0.001	No WSV	79	1	<1	0	
2-Chloronaphthalene	mg/l	0.001	No WSV	79	1	<1	0	
2-Chlorophenol	mg/l	0.001	0.05	79	1	<1	0	
2-Methylnaphthalene	mg/l	0.001	No WSV	79	1	<1	0	
2-Methylphenol	mg/l	0.001	No WSV	79	1	<1	0	
2-Nitrophenol	mg/l	0.001	No WSV	79	1	<1	0	
4-Bromophenyl phenyl ether	mg/l	0.001	No WSV	79	1	<1	0	
4-Chloro-3-methylphenol	mg/l	0.001	0.04	79	1	<1	0	
Bis(2-chloroisopropyl)ether	mg/l	0.001	No WSV	79	1	<1	0	
3+4-Methylphenol	mg/l	0.001	No WSV	79	1	<1	0	
4-Nitrophenol	mg/l	0.001	No WSV	79	1	<1	0	
Bis(2-chloroethyl)ether	mg/l	0.001	No WSV	79	1	<1	0	
Bis(2-chloroethoxy)methane	mg/l	0.001	No WSV	79	1	<1	0	
Bis(2-ethylhexyl)phthalate	mg/l	0.01	No WSV	79	10	<10	0	
Butylbenzyl phthalate	mg/l	0.001	No WSV	79	1	<1	0	
Carbazole	mg/l	0.001	No WSV	79	1	<1	0	
Dibenzofuran	mg/l	0.001	No WSV	79	1	<1	0	
n-Dibutylphthalate	mg/l	0.001	No WSV	79	1	<1	0	
n-Dioctylphthalate	mg/l	0.01	No WSV	79	10	<10	0	
n-Nitroso-n-dipropylamine	mg/l	0.001	No WSV	79	1	<1	0	
Diethyl phthalate	mg/l	0.001	No WSV	79	1	<1	0	
Dimethyl phthalate	mg/l	0.001	No WSV	79	1	<1	0	
Hexachlorobenzene	mg/l	0.001	0.00005	79	1	<1	0	
Pentachlorophenol (SVOC)	mg/l	0.001	No WSV	79	1	<1	0	
Phenol	mg/l	0.001	0.0077	79	1	<1	0	
Hexachloroethane	mg/l	0.001	No WSV	79	1	<1	0	
Nitrobenzene	mg/l	0.001	No WSV	79	1	<1	0	
Isophorone	mg/l	0.001	No WSV	80	<1	<1	0	
Hexachlorocyclopentadiene	mg/l	0.001	No WSV	80	<1	<1	0	
Perylene	mg/l	0.001	No WSV	80	<1	<1	0	
VOC	mg/l	0	No WSV	80	0	0	0	
Dichlorodifluoromethane	mg/l	0.001	No WSV	79	1	<1	0	
Chloromethane	mg/l	0.01	No WSV	79	<1	<10	0	
Vinyl Chloride	mg/l	0.001	N/A	79	<1	13	0	

Sample ID	BH4456	BH4	BH101	BH1	BH2	BH3	BH4885	BH5	BH6	BH4886	BH7	BH4454	BH4458	BH4461	BH4460	BH4463	BH102	BH103
Depth	4.5m	6m	4.5m	4m	3.5m	3.5m	4m	3m	3m	3.5m	3m	4.5m	5m	13.2m	20.5m	5m	5m	5m
Date	13/01/2021	13/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021	15/01/2021	15/01/2021	15/01/2021	18/01/2021	18/01/2021	18/01/2021	18/01/2021	18/01/2021	20/01/2021	20/01/2021	20/01/2021	20/01/2021
Strata	Coal Measures	Clay, sand & Gravel	Clay & Gravel	Gravel & Clay	Clay & Gravel	Clay & Gravel	Gravel	Clay & Gravel	Sand & Gravel	Gravel	Clay, Sand & Gravel	Gravel	Clay & Gravel	Gravel	Coal Measures	Sand & Gravel	Clay & Sand	Silt & Sand
pH	13.19	7.84	7.31	7.79	7.43	7.57	7.88	7.94	8.03	8.26	8.23	8.23	7.97	8.03	8.23	7.99	7.9	7.99
pH BRE	-	7.84	7.31	7.79	7.43	7.57	7.88	7.94	8.03	8.26	8.23	8.23	7.97	8.03	8.23	7.99	7.9	7.99
Hardness Total															-	-	-	-
Ammoniacal nitrogen as N	1.57	-	-	-	-	-	-								0.846	1.564	0.364	1.778
Ammonia (Free Unionised) as N (w) at 25degC	1.56843	-	-	-	-	-	-								56	315	567	284
Ammonia / Ammoniacal Nitrogen as NH3	-	1.13	0.273	0.102	0.123	0.244	0.117	0.109	<0.024	0.123	0.098	0.061	1.108	0.988	56	315	567	284
Sulphate	47	327	420	472	429	409	273	213	93	94	238	453	302	370	<0.005	<0.005	<0.005	<0.005
Sulphate BRE	-	327	420	472	429	409	273	213	93	94	238	453	302	370	<0.005	<0.005	<0.005	<0.005
Cyanide (free)	<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	<0.005	-	-	-	-
Cyanide (total)	<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	<0.005	<1	<1	<1	<1
Antimony	<2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	3	1	<1	<1
Arsenic	<2	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	3	85	160	536	231
Boron	<20	211	246	307	237	273	420	257	154	114	141	318	214	247	<0.2	<0.2	0.7	<0.2
Cadmium	<0.4	0.3	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	0.4	0.8	0.2	<0.2	-	-	-	-
Copper	81	27	12	15	30	22	26	22	15	19	22	25	25	15	17	4	30	10
Chromium	56	8	<1	8	6	7	7	14	8	8	9	7	8	9	19	2	8	7
Chromium	<0.02	<0.01	<0.02	<0.01	<0.02	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.01
Lead	15	<1	<1	<1	<1	4	<1	<1	<1	<1	5	<1	<1	<1	13	<1	<1	<1
Magnesium	<1	46	29	34	43	66	21	14	14	22	39	38	54	34	3	25	66	36
Mercury	<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	<0.1	<0.1
Nickel	39	25	11	2	8	10	14	4	2	4	11	14	7	6	13	24	41	4
Potassium	69	10	5	12	5	7	9	7	6	7	8	6	12	12	12	9	20	17
Selenium	16	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	2	<1
Zinc	2	10	13	10	8	29	7	12	9	6	14	21	7	8	25	7	33	12
PAH 16MS																		
Acenaphthene	<0.01	<0.01	<0.01	<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
Acenaphthylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
Anthracene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
Benzo(a)anthracene	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<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	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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(ghi)perylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenzo(ah)anthracene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07	<0.01	<0.01	<0.01
Fluorene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.08	<0.01	<0.01	<0.01
Indeno(123-cd)pyrene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Naphthalene	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.06	0.02	<0.01	<0.01	0.03	0.14	<0.01	<0.01	<0.01
Phenanthrene	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	<0.01	0.22	<0.01	<0.01	<0.01
Pyrene	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	<0.01	0.08	<0.01	<0.01	<0.01
Total PAH 16MS	0.16	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	0.01	0.07	0.02	<0.01	<0.01	0.03	0.68	<0.01	<0.01	<0.01
SVOC (excluding PAH-16)																		
2,4,5-Trichlorophenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4,6-Trichlorophenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4-Dichlorophenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4-Dimethylphenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4-Dinitrotoluene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,6-Dinitrotoluene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Chloronaphthalene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Chlorophenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylphenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Nitrophenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Bromophenyl phenyl ether	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chloro-3-methylphenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-chloroisopropyl)ether	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
3+4-Methylphenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Nitrophenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-chloroethyl)ether	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-chloroethoxy)methane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-ethylhexyl)phthalate	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Butylbenzyl phthalate	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbazole	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibenzofuran	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Dibutylphthalate	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Dioctylphthalate	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
n-Nitroso-n-dipropylamine	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Diethyl phthalate	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dimethyl phthalate	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Pentachlorophenol (SVOC)	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenol	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachloroethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Nitrobenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isophorone								<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene								<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Perylene								<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
VOC																		
Dichlorodifluoromethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	13	<1	<1	<1	<1

Sample ID	BH101	BH103	BH4	BH101	BH103	BH101	BH103	BH101	BH103	BH4	BH4	BH101	BH103	BH103	BH4	BH101	BH103	BH4	BH101
Date	16/10/2019	16/10/2019	16/10/2019	18/12/2018	18/12/2018	25/01/2019	25/01/2019	25/02/2019	25/02/2019	25/02/2019	21/03/2019	21/03/2019	21/03/2019	17/04/2019	17/04/2019	22/05/2019	22/05/2019	22/05/2019	27/06/2019
Strata	Clay & Gravel	Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Clay, sand & Gravel	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Clay, sand & Gravel	Clay & Gravel
pH	7.5	7.2	6.7					6.8	7.1	6.7	6.8	6.9	7.2			7	7.1	6.7	7.2
Hardness Total											250	340	130						
Ammoniacal nitrogen as N	0.24	0.18	<0.015	0.55	0.89		<0.015	<0.015	2.1	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.11	2.1	<0.015	<0.015
Sulphate											320	590	170				190		
Cadmium													0.12				0.78		
Copper											0.4	<0.4	0.8				1.9		
Chromium											<0.25	<0.25	<0.25				<0.25		
Lead											<0.09	<0.09	<0.09						
Magnesium											5300	77	100						
Nickel											20	3.7	1.4				2.7		
Potassium											12	12	7.7				11		
Zinc											7	6.8	7.4				7.5		
Dichlorodifluoromethane	<1	<1	<1																
Chloromethane	<1	<1	<1																
Vinyl Chloride	<1	<1	<1																

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Assessment Criteria :	Manual SSAC				
CaCO (mg/l):	102.00	pH	6.96		
Calcium (mg/l):	27.00	DOC (mg/l)	4.90	Catchment area:	Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
Bromomethane	mg/l	0.001	No WSV	79	1	<1	0	
Chloroethane	mg/l	0.001	No WSV	79	1	<1	0	
Trichlorofluoromethane	mg/l	0.001	No WSV	79	<1	8	0	
trans 1,2-Dichloroethene	mg/l	0.001	No WSV	79	1	<1	0	
Dichloromethane	mg/l	0.005	0.02	79	5	<5	0	
Carbon Disulphide	mg/l	0.001	No WSV	79	1	<1	0	
1,1-Dichloroethene	mg/l	0.001	No WSV	79	1	<1	0	
1,1-Dichloroethane	mg/l	0.001	No WSV	79	1	<1	0	
cis 1,2-Dichloroethene	mg/l	0.001	No WSV	79	<1	19	0	
Bromochloromethane	mg/l	0.005	No WSV	79	<4	<5	0	
Chloroform	mg/l	0.001	0.0025	79	1	<1	0	
2,2-Dichloropropane	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dichloroethane	mg/l	0.002	0.01	79	<1	<2	0	
1,1,1-Trichloroethane	mg/l	0.001	0.1	79	1	<1	0	
1,1-Dichloropropene	mg/l	0.001	No WSV	79	1	<1	0	
Benzene	mg/l	0.001	0.01	79	1	<1	0	
Carbon Tetrachloride	mg/l	0.001	0.012	79	1	<1	0	
Dibromomethane	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dichloropropane	mg/l	0.001	N/A	79	1	<1	0	
Bromodichloromethane	mg/l	0.01	N/A	79	<4	<10	0	
Trichloroethene	mg/l	0.001	0.01	79	1	1	1	BH4458, 5m
cis 1,3-Dichloropropene	mg/l	0.001	No WSV	79	1	<1	0	
trans 1,3-Dichloropropene	mg/l	0.001	No WSV	79	1	<1	0	
1,1,2-Trichloroethane	mg/l	0.001	0.4	79	1	<1	0	
Toluene	mg/l	0.001	0.074	79	1	<1	0	
1,3-Dichloropropane	mg/l	0.001	No WSV	79	1	<1	0	
Dibromochloromethane	mg/l	0.003	N/A	79	<1	<3	0	
1,2-Dibromoethane	mg/l	0.001	N/A	79	1	<1	0	
Tetrachloroethene	mg/l	0.001	0.01	79	1	<1	0	
1,1,1,2-Tetrachloroethane	mg/l	0.001	No WSV	79	1	<1	0	
Chlorobenzene	mg/l	0.001	N/A	79	1	<1	0	
Ethylbenzene	mg/l	0.001	0.02	79	1	<1	0	
m & p Xylene	mg/l	0.001	No WSV	79	1	<2	0	
Bromoform	mg/l	0.001	N/A	79	1	<1	0	
Styrene	mg/l	0.001	0.05	79	1	<1	0	
1,1,2,2-Tetrachloroethane	mg/l	0.001	No WSV	79	1	<1	0	
o-Xylene	mg/l	0.001	See Xylenes (total)	79	1	<1	0	
1,2,3-Trichloropropane	mg/l	0.001	No WSV	79	1	<1	0	
Isopropylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
Bromobenzene	mg/l	0.001	No WSV	79	1	<1	0	
2-Chlorotoluene	mg/l	0.001	No WSV	79	1	<1	0	
n-propylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
4-Chlorotoluene	mg/l	0.001	No WSV	79	1	<1	0	
1,2,4-Trimethylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
4-Isopropyltoluene	mg/l	0.001	No WSV	79	1	<1	0	
1,3,5-Trimethylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dichlorobenzene	mg/l	0.001	0.02	79	1	<1	0	
1,4-Dichlorobenzene	mg/l	0.001	0.02	79	1	<1	0	
sec-Butylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
tert-Butylbenzene	mg/l	0.002	No WSV	79	<1	<2	0	
1,3-Dichlorobenzene	mg/l	0.001	No WSV	79	1	<2	0	
n-butylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dibromo-3-chloropropane	mg/l	0.002	N/A	79	<1	<2	0	
1,2,4-Trichlorobenzene	mg/l	0.003	No WSV	79	<1	<3	0	
1,2,3-Trichlorobenzene	mg/l	0.003	No WSV	79	<1	<3	0	
Hexachlorobutadiene	mg/l	0.001	0.0006	79	1	<1	0	
TPH CWG								
Aliphatic TPH >C5-C6	mg/l	0.001	0.01	79	1	<3	0	
Aliphatic TPH >C6-C8	mg/l	0.001	0.01	79	<1	3	1	BH4461, 13.2m
Aliphatic TPH >C8-C10	mg/l	0.005	0.01	79	<1	10	1	BH4460, 20.5m
Aliphatic TPH >C10-C12	mg/l	0.005	0.01	79	<5	<10	1	BH4460, 20.5m
Aliphatic TPH >C12-C16	mg/l	0.005	0.01	79	5	<10	0	
Aliphatic TPH >C16-C21	mg/l	0.005	0.01	79	5	<10	0	
Aliphatic TPH >C21-C35	mg/l	0.005	0.01	79	<5	<10	1	BH4460, 20.5m
Total Aliphatics	mg/l	0.005	No WSV	79	<5	25	0	
Aromatic TPH >C5-C7	mg/l	0.001	0.01	79	1	<1	0	
Aromatic TPH >C7-C8	mg/l	0.001	0.01	79	1	<1	0	
Aromatic TPH >C8-C10	mg/l	0.005	0.01	79	<1	<10	0	
Aromatic TPH >C10-C12	mg/l	0.005	0.01	79	<5	21	2	BH4460, 20.5m; BH4463, 7m
Aromatic TPH >C12-C16	mg/l	0.005	0.01	79	<5	20	2	BH4460, 20.5m; BH4463, 7m
Aromatic TPH >C16-C21	mg/l	0.005	0.01	79	<5	<10	1	BH4460, 20.5m
Aromatic TPH >C21-C35	mg/l	0.01	0.01	79	10	<10	0	
Total Aromatics	mg/l	0.01	No WSV	79	<10	41	0	
TPH (Ali & Aro >C5-C35)	mg/l	0.01	No WSV	79	<10	56	0	
Benzene	mg/l	0.001	0.01	79	1	<1	0	
Toluene	mg/l	0.001	0.074	79	1	<1	0	
Ethyl Benzene	mg/l	0.001	No WSV	79	1	<1	0	
m & p Xylene	mg/l	0.001	No WSV	79	1	<1	0	
o Xylene	mg/l	0.001	No WSV	79	1	<1	0	
MTBE	mg/l	0.001	No WSV	79	1	<1	0	
VOCs								
Dichlorodifluoromethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Chloromethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Vinyl Chloride	mg/l	0.000001	N/A	80	<0.001	10.5	0	
Bromomethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Chloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Trichlorofluoromethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,1-dichloroethylene	mg/l	0.000001	N/A	80	<0.001	<1	0	
Methylene Chloride	mg/l	0.000001	No WSV	80	<0.027	<1	0	
Cis-1,2-dichloroethene	mg/l	0.000001	No WSV	80	<1	12.1	0	
Trans-1,2-dichloroethylene	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,1-dichloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Cis-1,2-dichloroethylene	mg/l	0.000001	N/A	80	<0.001	<1	0	
2,2-dichloropropane	mg/l	0.000001	No WSV	80	<0.002	<1	0	
Bromochloromethane	mg/l	0.000001	No WSV	80	<0.004	<1	0	
Chloroform	mg/l	0.000001	0.0025	80	<0.001	<1	0	
1,1,1-trichloroethane	mg/l	0.000001	0.1	80	<0.001	<1	0	
1,1-dichloropropene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Carbon tetrachloride	mg/l	0.000001	0.012	80	<0.001	<1	0	
Benzene	mg/l	0.000001	0.01	80	<0.001	<1	0	
1,2-dichloroethane	mg/l	0.000001	0.01	80	<0.001	<1	0	
Trichloroethylene	mg/l	0.000001	0.01	80	0.001	<1	0	
1,2-dichloropropane	mg/l	0.000001	N/A	80	<0.001	<1	0	
Dibromomethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Bromodichloromethane	mg/l	0.000001	N/A	80	<0.004	<1	0	
cis-1,3-dichloropropene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Toluene	mg/l	0.000001	0.074	80	<0.001	<1	0	
trans-1,3-dichloropropene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,1,2-trichloroethane	mg/l	0.000001	0.4	80	<0.001	<1	0	
Tetrachloroethylene	mg/l	0.000001	0.01	80	<0.001	<1	0	
1,3-dichloropropane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Dibromochloromethane	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,2-dibromoethane	mg/l	0.000001	N/A	80	<0.001	<1	0	
Chlorobenzene	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,1,1,2-tetrachloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Ethylbenzene	mg/l	0.000001	0.02	80	<0.001	<1	0	
m+p-Xylene	mg/l	0.000001	No WSV	80	<0.002	<1	0	
o-Xylene	mg/l	0.000001	See Xylenes (total)	80	<0.001	<1	0	
Styrene	mg/l	0.000001	0.05	80	<0.001	<1	0	
Bromoform	mg/l	0.000001	N/A	80	<0.001	<1	0	
Isopropylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,1,2,2-tetrachloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Bromobenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,2,3-trichloropropane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
n-propylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
2-chlorotoluene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,3,5-trimethylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
4-chlorotoluene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Tert-butylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,2,4-trimethylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
sec-butylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
p-isopropyltoluene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,3-dichlorobenzene	mg/l	0.000001	No WSV	80	<0.002	<1	0	
1,4-dichlorobenzene	mg/l	0.000001	0.02	80	<0.001	<1	0	
n-butylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,2-dichlorobenzene	mg/l	0.000001	0.02	80	<0.001	<1	0	
1,2-dibromo-3-chloropropane	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,2,4-trichlorobenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Hexachlorobutadiene	mg/l	0.000001	0.0006	80	<0.001	<1	0	
Naphthalene	mg/l	0.000001	0.002	80	<0.001	<1	0	
1,2,3-trichlorobenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
MTBE	mg/l	0.000001	No WSV	80	<0.001	<1	0	
SVOCs								
Aniline	mg/l	0.00005	No WSV	80	<0.05	7	0	
Phenol	mg/l	0.00005	0.0077	80	<0.05	<0.05	0	
2-Chlorophenol	mg/l	0.00005	0.05	80	<0.05	<0.05	0	
Bis(2-chloroethyl)ether	mg/l	0.00005	No WSV	80	<0.05	0.65	0	
1,3-Dichlorobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
1,2-Dichlorobenzene	mg/l	0.00005	0.02	80	<0.05	<0.05	0	
1,4-Dichlorobenzene	mg/l	0.00005	0.02	80	<0.05	<0.05	0	
Bis(2-chloroisopropyl)ether	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
2-Methylphenol	mg/l	0.00005	No WSV	80	<0.05	0.53	0	
Hexachloroethane	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Nitrobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
4-Methylphenol	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Isophorone	mg/l	0.00005	No WSV	80	<0.05	3.4	0	
2-Nitrophenol	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
2,4-Dimethylphenol	mg/l	0.00005	No WSV	80	<0.05	1.7	0	
Bis(2-chloroethoxy)methane	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
1,2,4-Trichlorobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Naphthalene	mg/l	0.00001	0.002	80	<0.01	0.79	1	QAQC2 - Blank, None Suppliedm
2,4-Dichlorophenol	mg/l	0.00005	0.0042	80	<0.05	<0.05	0	
4-Chloroaniline	mg/l	0.00005	No WSV	80	<0.05	0.27	0	
Hexachlorobutadiene	mg/l	0.00005	0.0006	80	<0.05	<0.05	0	
4-Chloro-3-methylphenol	mg/l	0.00005	0.04	80	<0.05	0.53	1	BH5, 5m

Location																					
Sample ID	BH4456	BH4	BH101	BH1	BH2	BH3	BH4885	BH5	BH6	BH4886	BH7	BH4454	BH4458	BH4461	BH4460	BH4463	BH102	BH103	BH101	BH103	BH4
Depth	4.5m	6m	4.5m	4m	3.5m	3.5m	4m	3m	3m	3.5m	3m	4.5m	5m	13.2m	20.5m	5m	5m	5m			
Date	13/01/2021	13/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021	15/01/2021	15/01/2021	15/01/2021	18/01/2021	18/01/2021	18/01/2021	18/01/2021	18/01/2021	20/01/2021	20/01/2021	20/01/2021	20/01/2021	16/10/2019	16/10/2019	16/10/2019
Strata	Coal Measures	Clay, sand & Gravel	Clay & Gravel	Gravel & Clay	Clay & Gravel	Clay & Gravel	Gravel	Clay & Gravel	Sand & Gravel	Gravel	Clay, Sand & Gravel	Gravel	Clay & Gravel	Gravel	Coal Measures	Sand & Gravel	Clay & Sand	Silt & Sand	Clay & Gravel	Silt & Sand	Clay, sand & Gravel
Zone																					
Bromomethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	8	<1	<1	<1	<1
trans 1,2-Dichloroethene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
Dichloromethane	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			
Carbon Disulphide	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1-Dichloroethene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1-Dichloroethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis 1,2-Dichloroethene	-	3	<1	<1	<1	5	<1	<1	<1	<1	<1	<1	19	18	<1	<1	<1	8			
Bromochloromethane	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<4	<4	<4
Chloroform	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,2-Dichloropropane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,2-Dichloroethane	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1	<1
1,1,1-Trichloroethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloropropene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<4	<4	<4
Trichloroethene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1			
cis 1,3-Dichloropropene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans 1,3-Dichloropropene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dichloropropane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromochloromethane	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<1	<1	<1
1,2-Dibromoethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1,1,2-Tetrachloroethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
m & p Xylene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<2	<2
Bromoform	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isopropylbenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromobenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Chlorotoluene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-propylbenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chlorotoluene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Isopropyltoluene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
sec-Butylbenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
tert-Butylbenzene	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1	<1
1,3-Dichlorobenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<2	<2
n-butylbenzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1	<1
1,2,4-Trichlorobenzene	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<1	<1	<1
1,2,3-Trichlorobenzene	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<1	<1	<1
Hexachlorobutadiene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TPH CWG																					
Aliphatic TPH >C5-C6	-	<1	<1	<1	<1	<1	<1	<1	<1	<3	<3	<3	<3	<3	<1	<1	<1	<1			
Aliphatic TPH >C6-C8	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	3	<1	<1	<1	<1			
Aliphatic TPH >C8-C10	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	10	<10	<10	<10			
Aliphatic TPH >C10-C12	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6	<5	<5	<5			
Aliphatic TPH >C12-C16	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			
Aliphatic TPH >C16-C21	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			
Aliphatic TPH >C21-C35	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	9	<5	<5	<5			
Total Aliphatics	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	25	<5	<5	<5			
Aromatic TPH >C5-C7	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
Aromatic TPH >C7-C8	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
Aromatic TPH >C8-C10	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<10	<10			
Aromatic TPH >C10-C12	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	9	<5	<5	<5			
Aromatic TPH >C12-C16	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	11	<5	<5	<5			
Aromatic TPH >C16-C21	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6	<5	<5	<5			
Aromatic TPH >C21-C35	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			
Total Aromatics	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	31	<10	<10	<10			
TPH (Ali & Aro >C5-C35)	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	56	<10	<10	<10			
Benzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
Toluene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
Ethyl Benzene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
m & p Xylene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
o Xylene	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
MTBE	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			

Location																
Sample ID	BH101	BH103	BH101	BH103	BH101	BH103	BH4	BH4	BH101	BH103	BH103	BH4	BH101	BH103	BH4	BH101
Depth																
Date	18/12/2018	18/12/2018	25/01/2019	25/01/2019	25/02/2019	25/02/2019	25/02/2019	21/03/2019	21/03/2019	21/03/2019	17/04/2019	17/04/2019	22/05/2019	22/05/2019	22/05/2019	27/06/2019
Strata	Clay & Gravel	Silt & Sand	Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Clay, sand & Gravel	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Clay, sand & Gravel	Clay & Gravel
VOCs																
Dichlorodifluoromethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Chloromethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Vinyl Chloride	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Bromomethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Chloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Trichlorofluoromethane	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001		<0.001
1,1-dichloroethylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Methylene Chloride	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027		<0.027
Cis-1,2-dichloroethene																
Trans-1,2-dichloroethylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
1,1-dichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Cis-1,2-dichloroethylene	<0.001	0.007	<0.001	0.005	<0.001	0.006	0.01	0.008	<0.001	0.003	0.006	<0.001	<0.001	0.005		<0.001
2,2-dichloropropane	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
Bromochloromethane	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004		<0.004
Chloroform	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
1,1,1-trichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
1,1-dichloropropene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Carbon tetrachloride	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Benzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
1,2-dichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Trichloroethylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
1,2-dichloropropane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Dibromomethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Bromodichloromethane	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004		<0.004
cis-1,3-dichloropropene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Toluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
trans-1,3-dichloropropene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
1,1,2-trichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Tetrachloroethylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
1,3-dichloropropane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Dibromochloromethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
1,2-dibromoethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Chlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
1,1,1,2-tetrachloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Ethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
m+p-Xylene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
o-Xylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Styrene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Bromoform	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Isopropylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
1,1,2,2-tetrachloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Bromobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
1,2,3-trichloropropane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
n-propylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
2-chlorotoluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
1,3,5-trimethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
4-chlorotoluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Tert-butylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
1,2,4-trimethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
sec-butylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
p-isopropyltoluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
1,3-dichlorobenzene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
1,4-dichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
n-butylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
1,2-dichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
1,2-dibromo-3-chloropropane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
1,2,4-trichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Hexachlorobutadiene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Naphthalene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
1,2,3-trichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
MTBE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001

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Assessment Criteria :	*Manual SSAC*		
CaCO (mg/l):	**102.00**	**pH**	**6.96**
Calcium (mg/l):	**27.00**	**DOC (mg/l)**	**4.90**
Catchment area:	**Freshwater not listed**		

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
2,4,6-Trichlorophenol	mg/l	0.00005	N/A	80	<0.05	<0.05	0	
2,4,5-Trichlorophenol	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
2-Methylnaphthalene	mg/l	0.00005	No WSV	80	<0.05	0.37	0	
2-Chloronaphthalene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Dimethylphthalate	mg/l	0.00005	0.8	80	<0.05	<0.05	0	
2,6-Dinitrotoluene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Acenaphthylene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Acenaphthene	mg/l	0.00001	Screen BaP only	80	<0.01	1	0	
2,4-Dinitrotoluene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Dibenzofuran	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
4-Chlorophenyl phenyl ether	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Diethyl phthalate	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
4-Nitroaniline	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Fluorene	mg/l	0.00001	N/A	80	<0.01	0.48	0	
Azobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Bromophenyl phenyl ether	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Hexachlorobenzene	mg/l	0.00005	0.00005	80	<0.05	<0.05	0	
Phenanthrene	mg/l	0.00001	Screen BaP only	80	<0.01	0.3	0	
Anthracene	mg/l	0.00001	0.0001	80	<0.01	<0.01	0	
Carbazole	mg/l	0.00005	No WSV	80	<0.05	1	0	
Dibutyl phthalate	mg/l	0.00005	0.008	80	<0.05	0.1	1	BH5, 5m
Anthraquinone	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Fluoranthene	mg/l	0.00001	0.0000063	80	<0.01	<0.01	0	
Pyrene	mg/l	0.00001	N/A	80	<0.01	<0.01	0	
Butyl benzyl phthalate	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Chrysene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Benzo(a)pyrene	mg/l	0.00001	0.00000017	80	<0.01	<0.01	0	
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	No WSV	80	<0.01	<0.01	0	
Dibenz(a,h)anthracene	mg/l	0.00001	N/A	80	<0.01	<0.01	0	
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
3&4-Methylphenol	mg/l	0.0001	No WSV	80	<0.1	<0.1	0	
Methane	mg/L	0.1	No WSV	80	0.1	1.7	0	

Location	Sample ID	Depth	Date	Strata	Zone
	BH4456	4.5m	13/01/2021	Coal Measures	
	BH4	6m	13/01/2021	Clay, sand & Gravel	
	BH101	4.5m	14/01/2021	Clay & Gravel	
	BH1	4m	14/01/2021	Gravel & Clay	
	BH2	3.5m	14/01/2021	Clay & Gravel	
	BH3	3.5m	14/01/2021	Clay & Gravel	
	BH4885	4m	15/01/2021	Gravel	
	BH5	3m	15/01/2021	Clay & Gravel	
	BH6	3m	15/01/2021	Sand & Gravel	
	BH4886	3.5m	18/01/2021	Gravel	
	BH7	3m	18/01/2021	Clay, Sand & Gravel	
	BH4454	4.5m	18/01/2021	Gravel	
	BH4458	5m	18/01/2021	Clay & Gravel	
	BH4461	13.2m	18/01/2021	Gravel	
	BH4460	20.5m	20/01/2021	Coal Measures	
	BH4463	5m	20/01/2021	Sand & Gravel	
	BH102	5m	20/01/2021	Clay & Sand	
	BH103	5m	20/01/2021	Silt & Sand	
	BH101		16/10/2019	Clay & Gravel	
	BH103		16/10/2019	Silt & Sand	
	BH4		16/10/2019	Clay, sand & Gravel	
	BH101		18/12/2018	Clay & Gravel	
	BH103		18/12/2018	Silt & Sand	
	BH101		25/01/2019	Silt & Sand	
	BH103		25/01/2019	Clay, sand & Gravel	
	BH101		25/02/2019	Clay & Gravel	
	BH103		25/02/2019	Silt & Sand	
	BH4		25/02/2019	Clay, sand & Gravel	
	BH4		21/03/2019	Clay, sand & Gravel	
	BH101		21/03/2019	Clay & Gravel	
	BH103		21/03/2019	Silt & Sand	
	BH103		17/04/2019	Silt & Sand	
	BH4		17/04/2019	Clay, sand & Gravel	
	BH101		22/05/2019	Clay & Gravel	
	BH103		22/05/2019	Silt & Sand	
	BH4		22/05/2019	Clay, sand & Gravel	
	BH101		27/06/2019	Clay & Gravel	

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Assessment Criteria :	Manual SSAC				
CaCO (mg/l):	102.00	pH	6.96		
Calcium (mg/l):	27.00	DOC (mg/l)	4.90	Catchment area:	Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	BH4 27/06/2019 Clay, sand & Gravel	BH101 17/07/2019 Clay & Gravel	BH4 17/07/2019 Clay, sand & Gravel	BH101 13/08/2019 Clay & Gravel	BH103 13/08/2019 Silt & Sand	BH4 13/08/2019 Clay, sand & Gravel	BH101 18/09/2019 Clay & Gravel	BH103 18/09/2019 Silt & Sand	BH4 18/09/2019 Clay, sand & Gravel	BH4463 7m 28/06/2022	QAQC1 - BH4463 None Suppliedm 28/06/2022	QAQC2 - Blank None Suppliedm 28/06/2022	BH1 6m 25/04/2022	BH2 5.5m 25/04/2022	BH3 5.5m 26/04/2022	BH4 5.5m 26/04/2022	BH5 5m 27/04/2022	BH6 4.5m 27/04/2022	BH7 4.35m 27/04/2022	BH101 6m 25/04/2022	BH102 6.08m 26/04/2022	BH103 5.75m 26/04/2022	BH4454 6m 25/04/2022	BH4456 5m 26/04/2022	BH4458 6.2m 25/04/2022	BH4460 13.75m 26/04/2022	BH4461 11.25m 26/04/2022	BH1 6m 12/05/2022	BH2 5.5m 11/05/2022	BH3 5.5m 11/05/2022	BH4 5.5m 11/05/2022	BH5 5m 12/05/2022	BH6 4.5m 12/05/2022	BH101 6m 12/05/2022	BH103 5.75m 12/05/2022	BH4454 6m 11/05/2022	BH4456 5m 11/05/2022	BH4458 6.2m 11/05/2022	BH4460 13.75m 12/05/2022	BH4461 11.25m 12/05/2022	BH7 4.35m 13/05/2022	BH4463 6.8m 09/08/2022	QAQC1 None Suppliedm 09/08/2022
pH	pH	0.01	6-9	80	5.9	13.19	0		7.2			6.9	7	6.9		7.2	7.4	7	6.9	8.8	6.6	6.5	6.6	6.8	6.4	6.8	6.6	6.5	5.9	6.9	6.4	12.5	7	7.7	7.3	6.6	6.6	6.7	6.9	6.4	6.8	6.6	7	6.7	12.4	7.1	7.9	7.3	6.6	6.9	6.8
pH BRE	pH	0.01	No WSV	79	7.31	8.26	0																																												
Hardness Total			No WSV	76	130	340	0																																												
Ammoniacal nitrogen as N	mg/l	0.02	0.2	74	<0.015	23	38	BH4456, 4.5m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH101; BH101; BH103; BH103; BH103; BH101; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH101, 6m; BH103, 5.75m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH4463, 6.8m; QAQC1, None Suppliedm	<0.015		<0.015	0.32	<0.015	<0.015		<0.015	<0.015	1.4	1.4	8.6	<15	0.49	1.6	9.4	0.44	<15	<15	2.7	2.1	13	<15	22	7.5	3.2	8.4	0.36	0.65	1.1	1.1	0.51	<15	2	13	<15	23	6.7	3.6	8.3	<15	16	16
Ammonia (Free Unionised) as N (w) at 25degC	mg/l	0.000036	No WSV	74	1.56843	567	0																																												
Ammonia / Ammoniacal Nitrogen as NH3	mg/l	0.024	No WSV	79	<0.024	567	0																																												
Sulphate	mg/l	1	400	80	<0.005	590	8	BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4454, 4.5m; BH101; BH5, 5m; BH102, 6.08m										131	130	287	299	315	357	380	449	188	186	397	542	345	341	3.38	251	54.5	357	249	222	292	277	271	157	271	188	276	3.06	247	50.6	242	140	99.9	101
Sulphate BRE	mg/l	1	No WSV	79	<0.005	472	0																																												
Cyanide (free)	mg/l	0.005	0.001	76	<0.005	2.4	2	BH4456, 5m; BH4456, 5m										<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.8	<1	<1	<1	<1	<1	<1
Cyanide (total)	mg/l	0.005	N/A	80	<0.005	6	0											<1	<1	3.8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	6	<1	<1	1.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.3	<1	<1	<1	<1	<1	<1
Antimony	mg/l	0.001	N/A	80	0.4	3	0											0.4	0.5	1.1	0.4	<0.4	<0.4	<0.4	0.5	0.7	<0.4	<0.4	0.5	<0.4	<0.4	1	0.4	0.4	<0.4	0.4	<0.4	<0.4	<0.4	<0.4	0.5	<0.4	0.4	<0.4	1	<0.4	0.4	<0.4	<0.4	0.5	0.6
Arsenic	mg/l	0.001	0.05	80	0.15	536	28	BH4885, 4m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH103, 5.75m; BH4456, 5m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH4, 5.5m; BH6, 4.5m; BH103, 5.75m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH4463, 6.8m; QAQC1, None Suppliedm										0.62	0.42	12.7	0.16	<0.15	0.17	0.16	0.15	0.25	<0.15	<0.15	<0.15	0.16	<0.15	0.53	<0.15	0.82	0.96	0.15	<0.15	<0.15	0.17	<0.15	0.19	<0.15	0.2	<0.15	0.57	0.19	0.84	0.63	<0.15	0.7	0.68
Boron	mg/l	0.01	2	80	<0.2	490	45	BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm										120	110	490	160	120	190	170	84	130	100	200	350	170	200	<10	150	89	210	140	120	180	170	78	130	180	160	170	<10	150	83	200	95	100	100
Cadmium	mg/l	0.0002	0.00015	76	0.02	1.5	36	BH4, 6m; BH3, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm										0.24	0.2	<0.02	0.11	0.06	0.2	0.34	1.4	0.3	0.76	0.06	0.54	0.18	0.7	<0.02	0.71	0.02	<0.02	0.13	0.06	0.18	0.33	1.5	0.34	0.05	0.14	0.75	<0.02	0.84	0.04	<0.02	0.57	0.09	0.08
Copper	mg/l	0.001	0.01137	80	0.4	150	54	BH4456, 4.5m; BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm										15	1.4	2.8	2.1	3.4	1.2	3.4	4.3	2.6	2.1	1.1	3.3	3.4	3.8	120	2.2	0.9	0.8	3.3	1.5	1.5	3.2	3.1	1.6	<0.5	2.5	3.5	150	4	3	2	2.4	0.8	1.1
Chromium	mg/l	0.001	See Cr VI as first pass	80	0.2	56	0											<0.2	<0.2	0.3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	3.1	<0.2	<0.2	<0.2	0.3	<0.2	<0.2
Chromium	mg/l	0.01	See Cr VI as first pass	80	<0.01	<5	0											<5	<5	<5	0.2	<0.2	<0.2	0.2	0.3	<0.2	<0.2	<0.2	0.3	<0.2	0.2	4.1	<0.2	<0.2	<0.2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Lead	mg/l	0.001	0.00371	80	<0.09	15	9	BH4456, 4.5m; BH3, 3.5m; BH7, 3m; BH4460, 20.5m; BH4463, 7m; BH5, 5m; BH4456, 5m; BH5, 5m; BH4456, 5m										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	13	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	<0.2	<0.2	<0.2	<0.2	11	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Magnesium	mg/l	1	N/A	80	0.037	5300	0											15	15	7.2	48	74	59	64	80	25	50	44	53	26	52	0.037	53	4.6	56	45	60	49	47	53	29	43	24	41	0.084	48	4.4	35	40	15	14
Mercury	mg/l	0.0001	0.00007	80	<<0.05	<0.2	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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel	mg/l	0.001	0.00647	80	0.7	53	56	BH4456, 4.5m; BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4; BH101; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm										5.8	5.4	3.2	7.8	7.8	6.7	19	18	4.9	7.5	8.1	19	4.7	9.7	49	7.5	0.7	4.3	2.6	8.9	7.3	18	20	5.2	7.5	4.1	10	53	7.4	1.1	3.2	7.8	4.5	4.5
Potassium	mg/l	1.2	N/A	80	5	69	0											7	6.8	30	9.2	8.1	8.5	13	7	15	7.9	5	21	11	5.9	52	12	12	14	8	8.2	7.7	12	6.2	17	6.1	9.9	5.3	52	10	11	13	7.6	7.5	7.4
Selenium	mg/l	0.001	N/A	80	<0.6	16	0											0.7	0.7	1.1	0.8	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	1.5	<0.6	<0.6	4.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	4.2	<0.6	<0.6	<0.6	<0.6	0.8	0.9
Zinc	mg/l	0.001	0.0232	80	2	33	56	BH4456, 4.5m; BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4; BH101; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm										12	7.5	8.7	8.4	6.5	4.9	4.7	20	3.5	30	6.4	21	24	7	2.9	5.8	2.8	4.1	13	5.8	7.4	4.6	14	6.9	4	2.7	7	2.1	5.3	5.3	2.2	13	2.9	2.1
PAH 16MS																																																			
Acenaphthene	mg/l	0.00001	Screen BaP only	80	0.01	1.04	0											<0.01	<0.01	1.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	mg/l	0.00001	Screen BaP only	80	<0.01	0.02	0											<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	mg/l	0.00001	0.0001	80	<0.01	0.02	1	BH4460, 20.5m										<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	mg/l	0.00001	Screen BaP only	80	0.01	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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	mg/l	0.00001	0.00000017	80	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	mg/l	0.00001	Screen BaP only	80	0.01	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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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(ghi)perylene	mg/l	0.00001	Screen BaP only	80	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	mg/l	0.00001	Screen BaP only	80	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	mg/l	0.00001	Screen BaP only	80	0.01	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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenzo(ah)anthracene	mg/l	0.00001	No WSV	80	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	mg/l	0.00001	0.0000063	80	0.01	0.07	3	BH4456, 4.5m; BH5, 3m; BH4460, 20.5m										<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	mg/l	0.00001	N/A	80	<0.01	0.48	0											<0.01	<0.01	0.48	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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(123-cd)pyrene	mg/l	0.00001	Screen BaP only	80	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Naphthalene	mg/l	0.00001	0.002	80	<0.01	0.79	6	BH4456, 4.5m; BH4886, 3.5m; BH7, 3m; BH4461, 13.2m; BH4460, 20.5m; QAQC2 - Blank, None Suppliedm										<0.01	<0.01	0.79	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	mg/l	0.00001	Screen BaP only	80	<0.01	0.3	0											<0.01	<0.01	0.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	mg/l	0.00001	N/A	80	0.01	0.08	0											<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total PAH 16MS	mg/l	0.00001	No WSV	80	0.01	2.61	0											<0.16	<0.16	2.61	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
SVOC (excluding PAH-16)																																																			
2,4,5-Trichlorophenol	mg/l	0.001	No WSV	79	1	<1	0																																												
2,4,6-Trichlorophenol	mg/l	0.001	N/A	79	1	<1	0																																												
2,4-Dichlorophenol	mg/l	0.001	0.0042	79	1	<1	0																																												
2,4-Dimethylphenol	mg/l	0.001	No WSV	79	1	<1	0																																												
2,4-Dinitrotoluene	mg/l	0.001	No WSV	79	1	<1	0																																												
2,6-Dinitrotoluene	mg/l	0.001	No WSV	79	1	<1	0																																												
2-Chloronaphthalene	mg/l	0.001	No WSV	79	1	<1	0																																												
2-Chlorophenol	mg/l	0.001	0.05	79	1	<1	0																																												
2-Methylnaphthalene	mg/l	0.001	No WSV	79	1	<1	0																																												
2-Methylphenol	mg/l	0.001	No WSV	79	1	<1	0																																												
2-Nitrophenol	mg/l	0.001	No WSV	79	1	<1	0																																												
4-Bromophenyl phenyl ether	mg/l	0.001	No WSV	79	1	<1	0																																												
4-Chloro-3-methylphenol	mg/l	0.001	0.04	79	1	<1	0																																												
Bis(2-chloroisopropyl)ether	mg/l	0.001	No WSV	79	1	<1	0																																												
3+4-Methylphenol	mg/l	0.001	No WSV	79	1	<1	0																																												
4-Nitrophenol	mg/l	0.001	No WSV	79	1	<1	0																																												
Bis(2-chloroethyl)ether	mg/l	0.001	No WSV	79	1	<1	0																																												
Bis(2-chloroethoxy)methane	mg/l	0.001	No WSV	79	1	<1	0																																												
Bis(2-ethylhexyl)phthalate	mg/l	0.01	No WSV	79	10	<10	0																																												
Butylbenzyl phthalate	mg/l	0.001	No WSV	79	1	<1	0																																												
Carbazole	mg/l	0.001	No WSV	79	1	<1	0																																												
Dibenzofuran	mg/l	0.001	No WSV	79	1	<1	0																																												
n-Dibutylphthalate	mg/l	0.001	No WSV	79	1	<1	0																																												
n-Dioctylphthalate	mg/l	0.01	No WSV	79	10	<10	0																																												
n-Nitroso-n-dipropylamine	mg/l	0.001	No WSV	79	1	<1	0																																												
Diethyl phthalate	mg/l	0.001	No WSV	79	1	<1	0																																												
Dimethyl phthalate	mg/l	0.001	No WSV	79	1	<1	0																																												
Hexachlorobenzene	mg/l	0.001	0.00005	79	1	<1	0																																												
Pentachlorophenol (SVOC)	mg/l	0.001	No WSV	79	1	<1	0																																												
Phenol	mg/l	0.001	0.0077	79	1	<1	0																																												
Hexachloroethane	mg/l	0.001	No WSV	79	1	<1	0																																												
Nitrobenzene	mg/l	0.001	No WSV	79	1	<1	0																																												
Isophorone	mg/l	0.001	No WSV	80	<1	<1	0																																												
Hexachlorocyclopentadiene	mg/l	0.001	No WSV	80	<1	<1	0																																												
Perylene	mg/l	0.001	No WSV	80	<1	<1	0																																												
VOC	mg/l	0	No WSV	80	0	0	0																																												
Dichlorodifluoromethane	mg/l	0.001	No WSV	79	1	<1	0																																												
Chloromethane	mg/l	0.01	No WSV	79	<1	<10	0																																												
Vinyl Chloride	mg/l	0.001	N/A	79	<1	13	0																																												

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ATKINS

Assessment Criteria :	Manual SSAC				
CaCO (mg/l):	102.00	pH	6.96		
Calcium (mg/l):	27.00	DOC (mg/l)	4.90	Catchment area:	Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
Bromomethane	mg/l	0.001	No WSV	79	1	<1	0	
Chloroethane	mg/l	0.001	No WSV	79	1	<1	0	
Trichlorofluoromethane	mg/l	0.001	No WSV	79	<1	8	0	
trans 1,2-Dichloroethene	mg/l	0.001	No WSV	79	1	<1	0	
Dichloromethane	mg/l	0.005	0.02	79	5	<5	0	
Carbon Disulphide	mg/l	0.001	No WSV	79	1	<1	0	
1,1-Dichloroethene	mg/l	0.001	No WSV	79	1	<1	0	
1,1-Dichloroethane	mg/l	0.001	No WSV	79	1	<1	0	
cis 1,2-Dichloroethene	mg/l	0.001	No WSV	79	<1	19	0	
Bromochloromethane	mg/l	0.005	No WSV	79	<4	<5	0	
Chloroform	mg/l	0.001	0.0025	79	1	<1	0	
2,2-Dichloropropane	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dichloroethane	mg/l	0.002	0.01	79	<1	<2	0	
1,1,1-Trichloroethane	mg/l	0.001	0.1	79	1	<1	0	
1,1-Dichloropropene	mg/l	0.001	No WSV	79	1	<1	0	
Benzene	mg/l	0.001	0.01	79	1	<1	0	
Carbon Tetrachloride	mg/l	0.001	0.012	79	1	<1	0	
Dibromomethane	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dichloropropane	mg/l	0.001	N/A	79	1	<1	0	
Bromodichloromethane	mg/l	0.01	N/A	79	<4	<10	0	
Trichloroethene	mg/l	0.001	0.01	79	1	1	1	BH4458, 5m
cis 1,3-Dichloropropene	mg/l	0.001	No WSV	79	1	<1	0	
trans 1,3-Dichloropropene	mg/l	0.001	No WSV	79	1	<1	0	
1,1,2-Trichloroethane	mg/l	0.001	0.4	79	1	<1	0	
Toluene	mg/l	0.001	0.074	79	1	<1	0	
1,3-Dichloropropane	mg/l	0.001	No WSV	79	1	<1	0	
Dibromochloromethane	mg/l	0.003	N/A	79	<1	<3	0	
1,2-Dibromoethane	mg/l	0.001	N/A	79	1	<1	0	
Tetrachloroethene	mg/l	0.001	0.01	79	1	<1	0	
1,1,1,2-Tetrachloroethane	mg/l	0.001	No WSV	79	1	<1	0	
Chlorobenzene	mg/l	0.001	N/A	79	1	<1	0	
Ethylbenzene	mg/l	0.001	0.02	79	1	<1	0	
m & p Xylene	mg/l	0.001	No WSV	79	1	<2	0	
Bromoform	mg/l	0.001	N/A	79	1	<1	0	
Styrene	mg/l	0.001	0.05	79	1	<1	0	
1,1,2,2-Tetrachloroethane	mg/l	0.001	No WSV	79	1	<1	0	
o-Xylene	mg/l	0.001	See Xylenes (total)	79	1	<1	0	
1,2,3-Trichloropropane	mg/l	0.001	No WSV	79	1	<1	0	
Isopropylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
Bromobenzene	mg/l	0.001	No WSV	79	1	<1	0	
2-Chlorotoluene	mg/l	0.001	No WSV	79	1	<1	0	
n-propylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
4-Chlorotoluene	mg/l	0.001	No WSV	79	1	<1	0	
1,2,4-Trimethylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
4-Isopropyltoluene	mg/l	0.001	No WSV	79	1	<1	0	
1,3,5-Trimethylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dichlorobenzene	mg/l	0.001	0.02	79	1	<1	0	
1,4-Dichlorobenzene	mg/l	0.001	0.02	79	1	<1	0	
sec-Butylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
tert-Butylbenzene	mg/l	0.002	No WSV	79	<1	<2	0	
1,3-Dichlorobenzene	mg/l	0.001	No WSV	79	1	<2	0	
n-butylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dibromo-3-chloropropane	mg/l	0.002	N/A	79	<1	<2	0	
1,2,4-Trichlorobenzene	mg/l	0.003	No WSV	79	<1	<3	0	
1,2,3-Trichlorobenzene	mg/l	0.003	No WSV	79	<1	<3	0	
Hexachlorobutadiene	mg/l	0.001	0.0006	79	1	<1	0	
TPH CWG								
Aliphatic TPH >C5-C6	mg/l	0.001	0.01	79	1	<3	0	
Aliphatic TPH >C6-C8	mg/l	0.001	0.01	79	<1	3	1	BH4461, 13.2m
Aliphatic TPH >C8-C10	mg/l	0.005	0.01	79	<1	10	1	BH4460, 20.5m
Aliphatic TPH >C10-C12	mg/l	0.005	0.01	79	<5	<10	1	BH4460, 20.5m
Aliphatic TPH >C12-C16	mg/l	0.005	0.01	79	5	<10	0	
Aliphatic TPH >C16-C21	mg/l	0.005	0.01	79	5	<10	0	
Aliphatic TPH >C21-C35	mg/l	0.005	0.01	79	<5	<10	1	BH4460, 20.5m
Total Aliphatics	mg/l	0.005	No WSV	79	<5	25	0	
Aromatic TPH >C5-C7	mg/l	0.001	0.01	79	1	<1	0	
Aromatic TPH >C7-C8	mg/l	0.001	0.01	79	1	<1	0	
Aromatic TPH >C8-C10	mg/l	0.005	0.01	79	<1	<10	0	
Aromatic TPH >C10-C12	mg/l	0.005	0.01	79	<5	21	2	BH4460, 20.5m; BH4463, 7m
Aromatic TPH >C12-C16	mg/l	0.005	0.01	79	<5	20	2	BH4460, 20.5m; BH4463, 7m
Aromatic TPH >C16-C21	mg/l	0.005	0.01	79	<5	<10	1	BH4460, 20.5m
Aromatic TPH >C21-C35	mg/l	0.01	0.01	79	10	<10	0	
Total Aromatics	mg/l	0.01	No WSV	79	<10	41	0	
TPH (Ali & Aro >C5-C35)	mg/l	0.01	No WSV	79	<10	56	0	
Benzene	mg/l	0.001	0.01	79	1	<1	0	
Toluene	mg/l	0.001	0.074	79	1	<1	0	
Ethyl Benzene	mg/l	0.001	No WSV	79	1	<1	0	
m & p Xylene	mg/l	0.001	No WSV	79	1	<1	0	
o Xylene	mg/l	0.001	No WSV	79	1	<1	0	
MTBE	mg/l	0.001	No WSV	79	1	<1	0	
VOCs								
Dichlorodifluoromethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Chloromethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Vinyl Chloride	mg/l	0.000001	N/A	80	<0.001	10.5	0	
Bromomethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Chloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Trichlorofluoromethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,1-dichloroethylene	mg/l	0.000001	N/A	80	<0.001	<1	0	
Methylene Chloride	mg/l	0.000001	No WSV	80	<0.027	<1	0	
Cis-1,2-dichloroethene	mg/l	0.000001	No WSV	80	<1	12.1	0	
Trans-1,2-dichloroethylene	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,1-dichloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Cis-1,2-dichloroethylene	mg/l	0.000001	N/A	80	<0.001	<1	0	
2,2-dichloropropane	mg/l	0.000001	No WSV	80	<0.002	<1	0	
Bromochloromethane	mg/l	0.000001	No WSV	80	<0.004	<1	0	
Chloroform	mg/l	0.000001	0.0025	80	<0.001	<1	0	
1,1,1-trichloroethane	mg/l	0.000001	0.1	80	<0.001	<1	0	
1,1-dichloropropene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Carbon tetrachloride	mg/l	0.000001	0.012	80	<0.001	<1	0	
Benzene	mg/l	0.000001	0.01	80	<0.001	<1	0	
1,2-dichloroethane	mg/l	0.000001	0.01	80	<0.001	<1	0	
Trichloroethylene	mg/l	0.000001	0.01	80	0.001	<1	0	
1,2-dichloropropane	mg/l	0.000001	N/A	80	<0.001	<1	0	
Dibromomethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Bromodichloromethane	mg/l	0.000001	N/A	80	<0.004	<1	0	
cis-1,3-dichloropropene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Toluene	mg/l	0.000001	0.074	80	<0.001	<1	0	
trans-1,3-dichloropropene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,1,2-trichloroethane	mg/l	0.000001	0.4	80	<0.001	<1	0	
Tetrachloroethylene	mg/l	0.000001	0.01	80	<0.001	<1	0	
1,3-dichloropropane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Dibromochloromethane	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,2-dibromoethane	mg/l	0.000001	N/A	80	<0.001	<1	0	
Chlorobenzene	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,1,1,2-tetrachloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Ethylbenzene	mg/l	0.000001	0.02	80	<0.001	<1	0	
m+p-Xylene	mg/l	0.000001	No WSV	80	<0.002	<1	0	
o-Xylene	mg/l	0.000001	See Xylenes (total)	80	<0.001	<1	0	
Styrene	mg/l	0.000001	0.05	80	<0.001	<1	0	
Bromoform	mg/l	0.000001	N/A	80	<0.001	<1	0	
Isopropylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,1,2,2-tetrachloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Bromobenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,2,3-trichloropropane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
n-propylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
2-chlorotoluene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,3,5-trimethylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
4-chlorotoluene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Tert-butylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,2,4-trimethylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
sec-butylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
p-isopropyltoluene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,3-dichlorobenzene	mg/l	0.000001	No WSV	80	<0.002	<1	0	
1,4-dichlorobenzene	mg/l	0.000001	0.02	80	<0.001	<1	0	
n-butylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,2-dichlorobenzene	mg/l	0.000001	0.02	80	<0.001	<1	0	
1,2-dibromo-3-chloropropane	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,2,4-trichlorobenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Hexachlorobutadiene	mg/l	0.000001	0.0006	80	<0.001	<1	0	
Naphthalene	mg/l	0.000001	0.002	80	<0.001	<1	0	
1,2,3-trichlorobenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
MTBE	mg/l	0.000001	No WSV	80	<0.001	<1	0	
SVOCs								
Aniline	mg/l	0.00005	No WSV	80	<0.05	7	0	
Phenol	mg/l	0.00005	0.0077	80	<0.05	<0.05	0	
2-Chlorophenol	mg/l	0.00005	0.05	80	<0.05	<0.05	0	
Bis(2-chloroethyl)ether	mg/l	0.00005	No WSV	80	<0.05	0.65	0	
1,3-Dichlorobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
1,2-Dichlorobenzene	mg/l	0.00005	0.02	80	<0.05	<0.05	0	
1,4-Dichlorobenzene	mg/l	0.00005	0.02	80	<0.05	<0.05	0	
Bis(2-chloroisopropyl)ether	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
2-Methylphenol	mg/l	0.00005	No WSV	80	<0.05	0.53	0	
Hexachloroethane	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Nitrobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
4-Methylphenol	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Isophorone	mg/l	0.00005	No WSV	80	<0.05	3.4	0	
2-Nitrophenol	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
2,4-Dimethylphenol	mg/l	0.00005	No WSV	80	<0.05	1.7	0	
Bis(2-chloroethoxy)methane	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
1,2,4-Trichlorobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Naphthalene	mg/l	0.00001	0.002	80	<0.01	0.79	1	QAQC2 - Blank, None Suppliedm
2,4-Dichlorophenol	mg/l	0.00005	0.0042	80	<0.05	<0.05	0	
4-Chloroaniline	mg/l	0.00005	No WSV	80	<0.05	0.27	0	
Hexachlorobutadiene	mg/l	0.00005	0.0006	80	<0.05	<0.05	0	
4-Chloro-3-methylphenol	mg/l	0.00005	0.04	80	<0.05	0.53	1	BH5, 5m

Constituents	BH4	BH101	BH4	BH101	BH103	BH4	BH101	BH103	BH4
	27/06/2019	17/07/2019	17/07/2019	13/08/2019	13/08/2019	13/08/2019	18/09/2019	18/09/2019	18/09/2019
	Clay, sand & Gravel	Clay & Gravel	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Clay, sand & Gravel
VOCs									
Dichlorodifluoromethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl Chloride	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromomethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichlorofluoromethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloroethylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Methylene Chloride	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027		
Cis-1,2-dichloroethene									
Trans-1,2-dichloroethylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cis-1,2-dichloroethylene	0.008	<0.001	0.008	<0.001	0.01	0.013	0.012	<0.001	0.012
2,2-dichloropropane	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromochloromethane	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chloroform	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-trichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloropropene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon tetrachloride	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethylene	0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001	<0.001	0.001
1,2-dichloropropane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromomethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
cis-1,3-dichloropropene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-trichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-dichloropropane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromochloromethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dibromoethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1,2-tetrachloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
m+p-Xylene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
o-Xylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromoform	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-tetrachloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-trichloropropane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-propylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-chlorotoluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-trimethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-chlorotoluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tert-butylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-trimethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-butylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p-isopropyltoluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-dichlorobenzene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,4-dichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-butylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dibromo-3-chloropropane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-trichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobutadiene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Naphthalene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-trichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MTBE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Constituents	BH4463	QAQC1 - BH4463	QAQC2 - Blank	BH1	BH2	BH3	BH4	BH5	BH6	BH7	BH101	BH102	BH103	BH4454	BH4456	BH4458	BH4460	BH4461	BH1	BH2	BH3	BH4	BH5	BH6	BH101	BH103	BH4454	BH4456	BH4458	BH4460	BH4461	BH7	BH4463	QAQC1
	7m	None Suppliedm	None Suppliedm	6m	5.5m	5.5m	5.5m	5m	4.5m	4.35m	6m	6.08m	5.75m	6m	5m	6.2m	13.75m	11.25m	6m	5.5m	5.5m	5.5m	5m	4.5m	6m	5.75m	6m	5m	6.2m	13.75m	11.25m	4.35m	6.8m	None Suppliedm
	28/06/2022	28/06/2022	28/06/2022	25/04/2022	25/04/2022	26/04/2022	26/04/2022	27/04/2022	27/04/2022	27/04/2022	25/04/2022	26/04/2022	26/04/2022	25/04/2022	26/04/2022	25/04/2022	26/04/2022	26/04/2022	12/05/2022	11/05/2022	11/05/2022	11/05/2022	12/05/2022	12/05/2022	12/05/2022	12/05/2022	11/05/2022	11/05/2022	11/05/2022	12/05/2022	12/05/2022	13/05/2022	09/08/2022	09/08/2022
TPH CWG																																		
Aliphatic TPH >C5-C6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aliphatic TPH >C6-C8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aliphatic TPH >C8-C10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aliphatic TPH >C10-C12	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic TPH >C12-C16	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic TPH >C16-C21	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic TPH >C21-C35	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Aliphatics	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic TPH >C5-C7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aromatic TPH >C7-C8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aromatic TPH >C8-C10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aromatic TPH >C10-C12	21	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic TPH >C12-C16	20	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic TPH >C16-C21	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic TPH >C21-C35	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Aromatics	41	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
TPH (Ali & Aro >C5-C35)																																		
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
m & p Xylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o Xylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MTBE	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
VOCs																																		
Dichlorodifluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	10.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene Chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,2-dichloroethene				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	10.8	<1	<1	<1	8.9	11.5	<1	12.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
m+p-Xylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
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Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isopropylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
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1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-propylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-chlorotoluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-trimethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-chlorotoluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tert-butylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-trimethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
sec-butylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
p-isopropyltoluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-butylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-trichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Naphthalene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MTBE	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SVOCs																																		
Aniline	<0.05	<0.05	1.9	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	7	<0.05	5.9	<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	<0.05	<0.05	<0.05	<0.05
Phenol	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-Chlorophenol	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bis(2-chloroethyl)ether	0.65	0.43	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bis(2-chloroisopropyl)ether	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-Methylphenol	<0.05	<0.05	0.53	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05
Hexachloroethane	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrobenzene	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4-Methylphenol	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Isophorone	<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	<0.05	3.4	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-Nitrophenol	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4-Dimethylphenol	<0.05	<0.05	1.7	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05
Bis(2-chloroethoxy)methane	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2,4-Trichlorobenzene	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Naphthalene	<0.01	<0.01	0.79	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2,4-Dichlorophenol	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4-Chloroaniline	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.27	<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	<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
Hexachlorobutadiene	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4-Chloro-3-methylphenol	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.53	<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	<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

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Assessment Criteria :	Manual SSAC				
CaCO (mg/l):	102.00	pH	6.96		
Calcium (mg/l):	27.00	DOC (mg/l)	4.90	Catchment area:	Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	BH4 27/06/2019 Clay, sand & Gravel	BH101 17/07/2019 Clay & Gravel	BH4 17/07/2019 Clay, sand & Gravel	BH101 13/08/2019 Clay & Gravel	BH103 13/08/2019 Silt & Sand	BH4 13/08/2019 Clay, sand & Gravel	BH101 18/09/2019 Clay & Gravel	BH103 18/09/2019 Silt & Sand	BH4 18/09/2019 Clay, sand & Gravel
2,4,6-Trichlorophenol	mg/l	0.00005	N/A	80	<0.05	<0.05	0										
2,4,5-Trichlorophenol	mg/l	0.00005	No WSV	80	<0.05	<0.05	0										
2-Methylnaphthalene	mg/l	0.00005	No WSV	80	<0.05	0.37	0										
2-Chloronaphthalene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0										
Dimethylphthalate	mg/l	0.00005	0.8	80	<0.05	<0.05	0										
2,6-Dinitrotoluene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0										
Acenaphthylene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0										
Acenaphthene	mg/l	0.00001	Screen BaP only	80	<0.01	1	0										
2,4-Dinitrotoluene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0										
Dibenzofuran	mg/l	0.00005	No WSV	80	<0.05	<0.05	0										
4-Chlorophenyl phenyl ether	mg/l	0.00005	No WSV	80	<0.05	<0.05	0										
Diethyl phthalate	mg/l	0.00005	No WSV	80	<0.05	<0.05	0										
4-Nitroaniline	mg/l	0.00005	No WSV	80	<0.05	<0.05	0										
Fluorene	mg/l	0.00001	N/A	80	<0.01	0.48	0										
Azobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0										
Bromophenyl phenyl ether	mg/l	0.00005	No WSV	80	<0.05	<0.05	0										
Hexachlorobenzene	mg/l	0.00005	0.00005	80	<0.05	<0.05	0										
Phenanthrene	mg/l	0.00001	Screen BaP only	80	<0.01	0.3	0										
Anthracene	mg/l	0.00001	0.0001	80	<0.01	<0.01	0										
Carbazole	mg/l	0.00005	No WSV	80	<0.05	1	0										
Dibutyl phthalate	mg/l	0.00005	0.008	80	<0.05	0.1	1	BH5, 5m									
Anthraquinone	mg/l	0.00005	No WSV	80	<0.05	<0.05	0										
Fluoranthene	mg/l	0.00001	0.0000063	80	<0.01	<0.01	0										
Pyrene	mg/l	0.00001	N/A	80	<0.01	<0.01	0										
Butyl benzyl phthalate	mg/l	0.00005	No WSV	80	<0.05	<0.05	0										
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0										
Chrysene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0										
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0										
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0										
Benzo(a)pyrene	mg/l	0.00001	0.00000017	80	<0.01	<0.01	0										
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	No WSV	80	<0.01	<0.01	0										
Dibenz(a,h)anthracene	mg/l	0.00001	N/A	80	<0.01	<0.01	0										
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0										
3&4-Methylphenol	mg/l	0.0001	No WSV	80	<0.1	<0.1	0										
Methane	mg/L	0.1	No WSV	80	0.1	1.7	0										

Constituents	BH4463 7m 28/06/2022	QAQC1 - BH4463 None Suppliedm 28/06/2022	QAQC2 - Blank None Suppliedm 28/06/2022	BH1 6m 25/04/2022	BH2 5.5m 25/04/2022	BH3 5.5m 26/04/2022	BH4 5.5m 26/04/2022	BH5 5m 27/04/2022	BH6 4.5m 27/04/2022	BH7 4.35m 27/04/2022	BH101 6m 25/04/2022	BH102 6.08m 26/04/2022	BH103 5.75m 26/04/2022	BH4454 6m 25/04/2022	BH4456 5m 26/04/2022	BH4458 6.2m 25/04/2022	BH4460 13.75m 26/04/2022	BH4461 11.25m 26/04/2022
2,4,6-Trichlorophenol	<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	<0.05	<0.05	<0.05	<0.05	<0.05
2,4,5-Trichlorophenol	<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	<0.05	<0.05	<0.05	<0.05	<0.05
2-Methylnaphthalene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.37	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-Chloronaphthalene	<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	<0.05	<0.05	<0.05	<0.05	<0.05
Dimethylphthalate	<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	<0.05	<0.05	<0.05	<0.05	<0.05
2,6-Dinitrotoluene	<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	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	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
2,4-Dinitrotoluene	<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	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenzofuran	<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	<0.05	<0.05	<0.05	<0.05	<0.05
4-Chlorophenyl phenyl ether	<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	<0.05	<0.05	<0.05	<0.05	<0.05
Diethyl phthalate	<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	<0.05	<0.05	<0.05	<0.05	<0.05
4-Nitroaniline	<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	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	<0.01	<0.01	0.48	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Azobenzene	<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	<0.05	<0.05	<0.05	<0.05	<0.05
Bromophenyl phenyl ether	<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	<0.05	<0.05	<0.05	<0.05	<0.05
Hexachlorobenzene	<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	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	<0.01	<0.01	0.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	<0.05	<0.05	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	<0.05	<0.05	<0.05
Dibutyl phthalate	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Anthraquinone	<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	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Butyl benzyl phthalate	<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	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)anthracene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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(ghi)perylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3&4-Methylphenol	<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
Methane	<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	1.7	0.1

Constituents	BH1 6m 12/05/2022	BH2 5.5m 11/05/2022	BH3 5.5m 11/05/2022	BH4 5.5m 11/05/2022	BH5 5m 12/05/2022	BH6 4.5m 12/05/2022	BH101 6m 12/05/2022	BH103 5.75m 12/05/2022	BH4454 6m 11/05/2022	BH4456 5m 11/05/2022	BH4458 6.2m 11/05/2022	BH4460 13.75m 12/05/2022	BH4461 11.25m 12/05/2022	BH7 4.35m 13/05/2022	BH4463 6.8m 09/08/2022	QAQC1 None Suppliedm 09/08/2022
2,4,6-Trichlorophenol	<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	<0.05	<0.05	<0.05
2,4,5-Trichlorophenol	<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	<0.05	<0.05	<0.05
2-Methylnaphthalene	<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	<0.05	<0.05	<0.05
2-Chloronaphthalene	<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	<0.05	<0.05	<0.05
Dimethylphthalate	<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	<0.05	<0.05	<0.05
2,6-Dinitrotoluene	<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	<0.05	<0.05	<0.05
Acenaphthylene	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2,4-Dinitrotoluene	<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	<0.05	<0.05	<0.05
Dibenzofuran	<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	<0.05	<0.05	<0.05
4-Chlorophenyl phenyl ether	<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	<0.05	<0.05	<0.05
Diethyl phthalate	<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	<0.05	<0.05	<0.05
4-Nitroaniline	<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	<0.05	<0.05	<0.05
Fluorene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Azobenzene	<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	<0.05	<0.05	<0.05
Bromophenyl phenyl ether	<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	<0.05	<0.05	<0.05
Hexachlorobenzene	<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	<0.05	<0.05	<0.05
Phenanthrene	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<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	<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	<0.05	<0.05	<0.05
Dibutyl phthalate	<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	<0.05	<0.05	<0.05
Anthraquinone	<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	<0.05	<0.05	<0.05
Fluoranthene	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Butyl benzyl phthalate	<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	<0.05	<0.05	<0.05
Benzo(a)anthracene	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	<0.01	<0.01	<0.01	<0.01	<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(ghi)perylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3&4-Methylphenol	<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
Methane	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	0.1	<0.1	<0.1	<0.1

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ATKINS

Assessment Criteria :	*Manual SSAC*							
CaCO (mg/l):	102.00			pH	6.96			
Calcium (mg/l):	27.00			DOC (mg/l)	4.90		Catchment area:	Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
pH	pH	0.01	6-9	80	5.9	13.19	0	
pH BRE	pH	0.01	No WSV	79	7.31	8.26	0	
Hardness Total			No WSV	76	130	340	0	
Ammoniacal nitrogen as N	mg/l	0.02	0.2	74	<0.015	23	38	BH4456, 4.5m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH101; BH101; BH103; BH103; BH103; BH101; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH101, 6m; BH103, 5.75m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH4463, 6.8m; QAQC1, None Suppliedm
Ammonia (Free Unionised) as N (w) at 25degC	mg/l	0.000036	No WSV	74	1.56843	567	0	
Ammonia / Ammoniacal Nitrogen as NH3	mg/l	0.024	No WSV	79	<0.024	567	0	
Sulphate	mg/l	1	400	80	<0.005	590	8	BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4454, 4.5m; BH101; BH5, 5m; BH102, 6.08m
Sulphate BRE	mg/l	1	No WSV	79	<0.005	472	0	
Cyanide (free)	mg/l	0.005	0.001	76	<0.005	2.4	2	BH4456, 5m; BH4456, 5m
Cyanide (total)	mg/l	0.005	N/A	80	<0.005	6	0	
Antimony	mg/l	0.001	N/A	80	0.4	3	0	
Arsenic	mg/l	0.001	0.05	80	0.15	536	28	BH4885, 4m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH103, 5.75m; BH4456, 5m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH4, 5.5m; BH6, 4.5m; BH103, 5.75m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH4463, 6.8m; QAQC1, None Suppliedm
Boron	mg/l	0.01	2	80	<0.2	490	45	BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm
Cadmium	mg/l	0.0002	0.00015	76	0.02	1.5	36	BH4, 6m; BH3, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm
Copper	mg/l	0.001	0.01137	80	0.4	150	54	BH4456, 4.5m; BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm
Chromium	mg/l	0.001	See Cr VI as first pass	80	0.2	56	0	
Chromium	mg/l	0.01	See Cr VI as first pass	80	<0.01	<5	0	
Lead	mg/l	0.001	0.00371	80	<0.09	15	9	BH4456, 4.5m; BH3, 3.5m; BH7, 3m; BH4460, 20.5m; BH4463, 7m; BH5, 5m; BH4456, 5m; BH5, 5m; BH4456, 5m
Magnesium	mg/l	1	N/A	80	0.037	5300	0	
Mercury	mg/l	0.0001	0.00007	80	<<0.05	<0.2	0	
Nickel	mg/l	0.001	0.00647	80	0.7	53	56	BH4456, 4.5m; BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4; BH101; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm
Potassium	mg/l	1.2	N/A	80	5	69	0	
Selenium	mg/l	0.001	N/A	80	<0.6	16	0	
Zinc	mg/l	0.001	0.0232	80	2	33	56	BH4456, 4.5m; BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4; BH101; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm
PAH 16MS								
Acenaphthene	mg/l	0.00001	Screen BaP only	80	0.01	1.04	0	
Acenaphthylene	mg/l	0.00001	Screen BaP only	80	<0.01	0.02	0	
Anthracene	mg/l	0.00001	0.0001	80	<0.01	0.02	1	BH4460, 20.5m
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	80	0.01	0.01	0	
Benzo(a)pyrene	mg/l	0.00001	0.00000017	80	<0.01	<0.01	0	
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	80	0.01	0.01	0	
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Chrysene	mg/l	0.00001	Screen BaP only	80	0.01	0.01	0	
Dibenzo(ah)anthracene	mg/l	0.00001	No WSV	80	<0.01	<0.01	0	
Fluoranthene	mg/l	0.00001	0.0000063	80	0.01	0.07	3	BH4456, 4.5m; BH5, 3m; BH4460, 20.5m
Fluorene	mg/l	0.00001	N/A	80	<0.01	0.48	0	
Indeno(123-cd)pyrene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Naphthalene	mg/l	0.00001	0.002	80	<0.01	0.79	6	BH4456, 4.5m; BH4886, 3.5m; BH7, 3m; BH4461, 13.2m; BH4460, 20.5m; QAQC2 - Blank, None Suppliedm
Phenanthrene	mg/l	0.00001	Screen BaP only	80	<0.01	0.3	0	
Pyrene	mg/l	0.00001	N/A	80	0.01	0.08	0	
Total PAH 16MS	mg/l	0.00001	No WSV	80	0.01	2.61	0	
SVOC (excluding PAH-16)								
2,4,5-Trichlorophenol	mg/l	0.001	No WSV	79	1	<1	0	
2,4,6-Trichlorophenol	mg/l	0.001	N/A	79	1	<1	0	
2,4-Dichlorophenol	mg/l	0.001	0.0042	79	1	<1	0	
2,4-Dimethylphenol	mg/l	0.001	No WSV	79	1	<1	0	
2,4-Dinitrotoluene	mg/l	0.001	No WSV	79	1	<1	0	
2,6-Dinitrotoluene	mg/l	0.001	No WSV	79	1	<1	0	
2-Chloronaphthalene	mg/l	0.001	No WSV	79	1	<1	0	
2-Chlorophenol	mg/l	0.001	0.05	79	1	<1	0	
2-Methylnaphthalene	mg/l	0.001	No WSV	79	1	<1	0	
2-Methylphenol	mg/l	0.001	No WSV	79	1	<1	0	
2-Nitrophenol	mg/l	0.001	No WSV	79	1	<1	0	
4-Bromophenyl phenyl ether	mg/l	0.001	No WSV	79	1	<1	0	
4-Chloro-3-methylphenol	mg/l	0.001	0.04	79	1	<1	0	
Bis(2-chloroisopropyl)ether	mg/l	0.001	No WSV	79	1	<1	0	
3+4-Methylphenol	mg/l	0.001	No WSV	79	1	<1	0	
4-Nitrophenol	mg/l	0.001	No WSV	79	1	<1	0	
Bis(2-chloroethyl)ether	mg/l	0.001	No WSV	79	1	<1	0	
Bis(2-chloroethoxy)methane	mg/l	0.001	No WSV	79	1	<1	0	
Bis(2-ethylhexyl)phthalate	mg/l	0.01	No WSV	79	10	<10	0	
Butylbenzyl phthalate	mg/l	0.001	No WSV	79	1	<1	0	
Carbazole	mg/l	0.001	No WSV	79	1	<1	0	
Dibenzofuran	mg/l	0.001	No WSV	79	1	<1	0	
n-Dibutylphthalate	mg/l	0.001	No WSV	79	1	<1	0	
n-Dioctylphthalate	mg/l	0.01	No WSV	79	10	<10	0	
n-Nitroso-n-dipropylamine	mg/l	0.001	No WSV	79	1	<1	0	
Diethyl-phthalate	mg/l	0.001	No WSV	79	1	<1	0	
Dimethyl phthalate	mg/l	0.001	No WSV	79	1	<1	0	
Hexachlorobenzene	mg/l	0.001	0.00005	79	1	<1	0	
Pentachlorophenol (SVOC)	mg/l	0.001	No WSV	79	1	<1	0	
Phenol	mg/l	0.001	0.0077	79	1	<1	0	
Hexachloroethane	mg/l	0.001	No WSV	79	1	<1	0	
Nitrobenzene	mg/l	0.001	No WSV	79	1	<1	0	
Isophorone	mg/l	0.001	No WSV	80	<1	<1	0	
Hexachlorocyclopentadiene	mg/l	0.001	No WSV	80	<1	<1	0	
Perylene	mg/l	0.001	No WSV	80	<1	<1	0	
VOC	mg/l	0	No WSV	80	0	0	0	
Dichlorodifluoromethane	mg/l	0.001	No WSV	79	1	<1	0	
Chloromethane	mg/l	0.01	No WSV	79	<1	<10	0	
Vinyl Chloride	mg/l	0.001	N/A	79	<1	13	0	

	SW4	BH101	BH4	SW1	SW2	SW3	SW4	BH101	BH103	BH4	SW1	SW2	SW3	SW4	BH101	BH103	BH4	S1	S2	S3	S4	ATK BH5907	ATK BH5910	BH4463	QAQC1 - BH4463	QAQC2 - Blank	ATK BH5906	BH1	BH2	BH3	BH4	BH5	BH6	BH7	BH101	BH102	BH103	BH4454	BH4455	BH4456	BH4458	BH4459	BH4460	BH4461
																						10m	6.15m	7m	None Suppliedm	None Suppliedm	10.3m	6m	5.5m	5.5m	5.5m	5m	4.5m	4.35m	6m	6.08m	5.75m	6m	6m	5m	6.2m	8.75m	13.75m	11.25m
	27/06/2019	17/07/2019	17/07/2019	17/07/2019	17/07/2019	17/07/2019	17/07/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	28/06/2022	28/06/2022	28/06/2022	28/06/2022	28/06/2022	25/04/2022	25/04/2022	25/04/2022	26/04/2022	27/04/2022	27/04/2022	27/04/2022	25/04/2022	26/04/2022	26/04/2022	25/04/2022	26/04/2022	26/04/2022	25/04/2022	25/04/2022	26/04/2022	26/04/2022
		Clay & Gravel	Clay, sand & Gravel					Clay & Gravel	Silt & Sand	Clay, sand & Gravel					Clay & Gravel	Silt & Sand	Clay, sand & Gravel																											

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ATKINS

Assessment Criteria :	*Manual SSAC*							
CaCO (mg/l):	102.00		pH	6.96				
Calcium (mg/l):	27.00		DOC (mg/l)	4.90		Catchment area:		Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
Bromomethane	mg/l	0.001	No WSV	79	1	<1	0	
Chloroethane	mg/l	0.001	No WSV	79	1	<1	0	
Trichlorofluoromethane	mg/l	0.001	No WSV	79	<1	8	0	
trans 1,2-Dichloroethene	mg/l	0.001	No WSV	79	1	<1	0	
Dichloromethane	mg/l	0.005	0.02	79	5	<5	0	
Carbon Disulphide	mg/l	0.001	No WSV	79	1	<1	0	
1,1-Dichloroethene	mg/l	0.001	No WSV	79	1	<1	0	
1,1-Dichloroethane	mg/l	0.001	No WSV	79	1	<1	0	
cis 1,2-Dichloroethene	mg/l	0.001	No WSV	79	<1	19	0	
Bromochloromethane	mg/l	0.005	No WSV	79	<4	<5	0	
Chloroform	mg/l	0.001	0.0025	79	1	<1	0	
2,2-Dichloropropane	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dichloroethane	mg/l	0.002	0.01	79	<1	<2	0	
1,1,1-Trichloroethane	mg/l	0.001	0.1	79	1	<1	0	
1,1-Dichloropropene	mg/l	0.001	No WSV	79	1	<1	0	
Benzene	mg/l	0.001	0.01	79	1	<1	0	
Carbon Tetrachloride	mg/l	0.001	0.012	79	1	<1	0	
Dibromomethane	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dichloropropane	mg/l	0.001	N/A	79	1	<1	0	
Bromodichloromethane	mg/l	0.01	N/A	79	<4	<10	0	
Trichloroethene	mg/l	0.001	0.01	79	1	1	1	BH4458, 5m
cis 1,3-Dichloropropene	mg/l	0.001	No WSV	79	1	<1	0	
trans 1,3-Dichloropropene	mg/l	0.001	No WSV	79	1	<1	0	
1,1,2-Trichloroethane	mg/l	0.001	0.4	79	1	<1	0	
Toluene	mg/l	0.001	0.074	79	1	<1	0	
1,3-Dichloropropane	mg/l	0.001	No WSV	79	1	<1	0	
Dibromochloromethane	mg/l	0.003	N/A	79	<1	<3	0	
1,2-Dibromoethane	mg/l	0.001	N/A	79	1	<1	0	
Tetrachloroethene	mg/l	0.001	0.01	79	1	<1	0	
1,1,1,2-Tetrachloroethane	mg/l	0.001	No WSV	79	1	<1	0	
Chlorobenzene	mg/l	0.001	N/A	79	1	<1	0	
Ethylbenzene	mg/l	0.001	0.02	79	1	<1	0	
m & p Xylene	mg/l	0.001	No WSV	79	1	<2	0	
Bromoform	mg/l	0.001	N/A	79	1	<1	0	
Styrene	mg/l	0.001	0.05	79	1	<1	0	
1,1,2,2-Tetrachloroethane	mg/l	0.001	No WSV	79	1	<1	0	
o-Xylene	mg/l	0.001	See Xylenes (total)	79	1	<1	0	
1,2,3-Trichloropropane	mg/l	0.001	No WSV	79	1	<1	0	
Isopropylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
Bromobenzene	mg/l	0.001	No WSV	79	1	<1	0	
2-Chlorotoluene	mg/l	0.001	No WSV	79	1	<1	0	
n-propylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
4-Chlorotoluene	mg/l	0.001	No WSV	79	1	<1	0	
1,2,4-Trimethylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
4-Isopropyltoluene	mg/l	0.001	No WSV	79	1	<1	0	
1,3,5-Trimethylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dichlorobenzene	mg/l	0.001	0.02	79	1	<1	0	
1,4-Dichlorobenzene	mg/l	0.001	0.02	79	1	<1	0	
sec-Butylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
tert-Butylbenzene	mg/l	0.002	No WSV	79	<1	<2	0	
1,3-Dichlorobenzene	mg/l	0.001	No WSV	79	1	<2	0	
n-butylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dibromo-3-chloropropane	mg/l	0.002	N/A	79	<1	<2	0	
1,2,4-Trichlorobenzene	mg/l	0.003	No WSV	79	<1	<3	0	
1,2,3-Trichlorobenzene	mg/l	0.003	No WSV	79	<1	<3	0	
Hexachlorobutadiene	mg/l	0.001	0.0006	79	1	<1	0	
TPH CWG								
Aliphatic TPH >C5-C6	mg/l	0.001	0.01	79	1	<3	0	
Aliphatic TPH >C6-C8	mg/l	0.001	0.01	79	<1	3	1	BH4461, 13.2m
Aliphatic TPH >C8-C10	mg/l	0.005	0.01	79	<1	10	1	BH4460, 20.5m
Aliphatic TPH >C10-C12	mg/l	0.005	0.01	79	<5	<10	1	BH4460, 20.5m
Aliphatic TPH >C12-C16	mg/l	0.005	0.01	79	5	<10	0	
Aliphatic TPH >C16-C21	mg/l	0.005	0.01	79	5	<10	0	
Aliphatic TPH >C21-C35	mg/l	0.005	0.01	79	<5	<10	1	BH4460, 20.5m
Total Aliphatics	mg/l	0.005	No WSV	79	<5	25	0	
Aromatic TPH >C5-C7	mg/l	0.001	0.01	79	1	<1	0	
Aromatic TPH >C7-C8	mg/l	0.001	0.01	79	1	<1	0	
Aromatic TPH >C8-C10	mg/l	0.005	0.01	79	<1	<10	0	
Aromatic TPH >C10-C12	mg/l	0.005	0.01	79	<5	21	2	BH4460, 20.5m; BH4463, 7m
Aromatic TPH >C12-C16	mg/l	0.005	0.01	79	<5	20	2	BH4460, 20.5m; BH4463, 7m
Aromatic TPH >C16-C21	mg/l	0.005	0.01	79	<5	<10	1	BH4460, 20.5m
Aromatic TPH >C21-C35	mg/l	0.01	0.01	79	10	<10	0	
Total Aromatics	mg/l	0.01	No WSV	79	<10	41	0	
TPH (Ali & Aro >C5-C35)	mg/l	0.01	No WSV	79	<10	56	0	
Benzene	mg/l	0.001	0.01	79	1	<1	0	
Toluene	mg/l	0.001	0.074	79	1	<1	0	
Ethyl Benzene	mg/l	0.001	No WSV	79	1	<1	0	
m & p Xylene	mg/l	0.001	No WSV	79	1	<1	0	
o Xylene	mg/l	0.001	No WSV	79	1	<1	0	
MTBE	mg/l	0.001	No WSV	79	1	<1	0	
VOCs								
Dichlorodifluoromethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Chloromethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Vinyl Chloride	mg/l	0.000001	N/A	80	<0.001	10.5	0	
Bromomethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Chloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Trichlorofluoromethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,1-dichloroethylene	mg/l	0.000001	N/A	80	<0.001	<1	0	
Methylene Chloride	mg/l	0.000001	No WSV	80	<0.027	<1	0	
Cis-1,2-dichloroethene	mg/l	0.000001	No WSV	80	<1	12.1	0	
Trans-1,2-dichloroethylene	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,1-dichloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Cis-1,2-dichloroethylene	mg/l	0.000001	N/A	80	<0.001	<1	0	
2,2-dichloropropane	mg/l	0.000001	No WSV	80	<0.002	<1	0	
Bromochloromethane	mg/l	0.000001	No WSV	80	<0.004	<1	0	
Chloroform	mg/l	0.000001	0.0025	80	<0.001	<1	0	
1,1,1-trichloroethane	mg/l	0.000001	0.1	80	<0.001	<1	0	
1,1-dichloropropene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Carbon tetrachloride	mg/l	0.000001	0.012	80	<0.001	<1	0	
Benzene	mg/l	0.000001	0.01	80	<0.001	<1	0	
1,2-dichloroethane	mg/l	0.000001	0.01	80	<0.001	<1	0	
Trichloroethylene	mg/l	0.000001	0.01	80	0.001	<1	0	
1,2-dichloropropane	mg/l	0.000001	N/A	80	<0.001	<1	0	
Dibromomethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Bromodichloromethane	mg/l	0.000001	N/A	80	<0.004	<1	0	
cis-1,3-dichloropropene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Toluene	mg/l	0.000001	0.074	80	<0.001	<1	0	
trans-1,3-dichloropropene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,1,2-trichloroethane	mg/l	0.000001	0.4	80	<0.001	<1	0	
Tetrachloroethylene	mg/l	0.000001	0.01	80	<0.001	<1	0	
1,3-dichloropropane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Dibromochloromethane	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,2-dibromoethane	mg/l	0.000001	N/A	80	<0.001	<1	0	
Chlorobenzene	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,1,1,2-tetrachloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Ethylbenzene	mg/l	0.000001	0.02	80	<0.001	<1	0	
m+p Xylene	mg/l	0.000001	No WSV	80	<0.002	<1	0	
o-Xylene	mg/l	0.000001	See Xylenes (total)	80	<0.001	<1	0	
Styrene	mg/l	0.000001	0.05	80	<0.001	<1	0	
Bromoform	mg/l	0.000001	N/A	80	<0.001	<1	0	
Isopropylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,1,2,2-tetrachloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Bromobenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,2,3-trichloropropane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
n-propylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
2-chlorotoluene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,3,5-trimethylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
4-chlorotoluene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Tert-butylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,2,4-trimethylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
sec-butylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
p-isopropyltoluene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,3-dichlorobenzene	mg/l	0.000001	No WSV	80	<0.002	<1	0	
1,4-dichlorobenzene	mg/l	0.000001	0.02	80	<0.001	<1	0	
n-butylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,2-dichlorobenzene	mg/l	0.000001	0.02	80	<0.001	<1	0	
1,2-dibromo-3-chloropropane	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,2,4-trichlorobenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Hexachlorobutadiene	mg/l	0.000001	0.0006	80	<0.001	<1	0	
Naphthalene	mg/l	0.000001	0.002	80	<0.001	<1	0	
1,2,3-trichlorobenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
MTBE	mg/l	0.000001	No WSV	80	<0.001	<1	0	
SVOCs								
Aniline	mg/l	0.00005	No WSV	80	<0.05	7	0	
Phenol	mg/l	0.00005	0.0077	80	<0.05	<0.05	0	
2-Chlorophenol	mg/l	0.00005	0.05	80	<0.05	<0.05	0	
Bis(2-chloroethyl)ether	mg/l	0.00005	No WSV	80	<0.05	0.65	0	
1,3-Dichlorobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
1,2-Dichlorobenzene	mg/l	0.00005	0.02	80	<0.05	<0.05	0	
1,4-Dichlorobenzene	mg/l	0.00005	0.02	80	<0.05	<0.05	0	
Bis(2-chloroisopropyl)ether	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
2-Methylphenol	mg/l	0.00005	No WSV	80	<0.05	0.53	0	
Hexachloroethane	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Nitrobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
4-Methylphenol	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Isophorone	mg/l	0.00005	No WSV	80	<0.05	3.4	0	
2-Nitrophenol	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
2,4-Dimethylphenol	mg/l	0.00005	No WSV	80	<0.05	1.7	0	
Bis(2-chloroethoxy)methane	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
1,2,4-Trichlorobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Naphthalene	mg/l	0.0001	0.002	80	<0.01	0.79	1	QAQC2 - Blank, None Suppliedm
2,4-Dichlorophenol	mg/l	0.00005	0.0042	80	<0.05	<0.05	0	
4-Chloroaniline	mg/l	0.00005	No WSV	80	<0.05	0.27	0	
Hexachlorobutadiene	mg/l	0.00005	0.0006	80	<0.05	<0.05	0	
4-Chloro-3-methylphenol	mg/l	0.00005	0.04	80	<0.05	0.53	1	BH5, 5m

	SW4	BH101	BH4	SW1	SW2	SW3	SW4	BH101	BH103	BH4	SW1	SW2	SW3	SW4	BH101	BH103	BH4	S1	S2	S3	S4	ATK BH5907	ATK BH5910	BH4463	QAQC1 - BH4463	QAQC2 - Blank	ATK BH5906	BH1	BH2	BH3	BH4	BH5	BH6	BH7	BH101	BH102	BH103	BH4454	BH4455	BH4456	BH4458	BH4459	BH4460	BH4461
																						10m	6.15m	7m	None Suppliedm	None Suppliedm	10.3m	6m	5.5m	5.5m	5.5m	5m	4.5m	4.35m	6m	6.08m	5.75m	6m	6m	5m	6.2m	8.75m	13.75m	11.25m
	27/06/2019	17/07/2019	17/07/2019	17/07/2019	17/07/2019	17/07/2019	17/07/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	28/06/2022	28/06/2022	28/06/2022	28/06/2022	28/06/2022	25/04/2022	25/04/2022	25/04/2022	26/04/2022	26/04/2022	27/04/2022	27/04/2022	25/04/2022	26/04/2022	26/04/2022	25/04/2022	26/04/2022	26/04/2022	25/04/2022	25/04/2022	26/04/2022	26/04/2022
		Clay & Gravel	Clay, sand & Gravel					Clay & Gravel	Silt & Sand	Clay, sand & Gravel					Clay & Gravel	Silt & Sand	Clay, sand & Gravel																											
	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ATKINS

Assessment Criteria :	*Manual SSAC*
CaCO (mg/l):	102.00
pH	6.96
Calcium (mg/l):	27.00
DOC (mg/l)	4.90
Catchment area:	Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	SW4	BH101	BH4	SW1	SW2	SW3	SW4	BH101	BH103	BH4	SW1	SW2	SW3	SW4	BH101	BH103	BH4	S1	S2	S3	S4	ATK BH5907	ATK BH5910	BH4463	QAQC1 - BH4463	QAQC2 - Blank	ATK BH5906	BH1	BH2	BH3	BH4	BH5	BH6	BH7	BH101	BH102	BH103	BH4454	BH4455	BH4456	BH4458	BH4459	BH4460	BH4461
																														10m	6.15m	7m	None Suppliedm	None Suppliedm	10.3m	6m	5.5m	5.5m	5.5m	5m	4.5m	4.35m	6m	6.08m	5.75m	6m	6m	5m	6.2m	8.75m	13.75m	11.25m
									27/06/2019	17/07/2019	17/07/2019	17/07/2019	17/07/2019	17/07/2019	17/07/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	28/06/2022	28/06/2022	28/06/2022	28/06/2022	28/06/2022	25/04/2022	25/04/2022	25/04/2022	26/04/2022	27/04/2022	27/04/2022	25/04/2022	26/04/2022	26/04/2022	25/04/2022	26/04/2022	26/04/2022	25/04/2022	25/04/2022	25/04/2022	26/04/2022	26/04/2022
										Clay & Gravel	Clay, sand & Gravel					Clay & Gravel	Silt & Sand	Clay, sand & Gravel					Clay & Gravel	Silt & Sand	Clay, sand & Gravel																										
2,4,6-Trichlorophenol	mg/l	0.00005	N/A	80	<0.05	<0.05	0																																												
2,4,5-Trichlorophenol	mg/l	0.00005	No WSV	80	<0.05	<0.05	0																																												
2-Methylnaphthalene	mg/l	0.00005	No WSV	80	<0.05	0.37	0																																												
2-Chloronaphthalene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0																																												
Dimethylphthalate	mg/l	0.00005	0.8	80	<0.05	<0.05	0																																												
2,6-Dinitrotoluene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0																																												
Acenaphthylene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0																																												
Acenaphthene	mg/l	0.00001	Screen BaP only	80	<0.01	1	0																																												
2,4-Dinitrotoluene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0																																											
Dibenzofuran	mg/l	0.00005	No WSV	80	<0.05	<0.05	0																																											
4-Chlorophenyl phenyl ether	mg/l	0.00005	No WSV	80	<0.05	<0.05	0																																											
Diethyl phthalate	mg/l	0.00005	No WSV	80	<0.05	<0.05	0																																											
4-Nitroaniline	mg/l	0.00005	No WSV	80	<0.05	<0.05	0																																											
Fluorene	mg/l	0.00001	N/A	80	<0.01	0.48	0																																											
Azobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0																																											
Bromophenyl phenyl ether	mg/l	0.00005	No WSV	80	<0.05	<0.05	0																																											
Hexachlorobenzene	mg/l	0.00005	0.00005	80	<0.05	<0.05	0																																											
Phenanthrene	mg/l	0.00001	Screen BaP only	80	<0.01	0.3	0																																											
Anthracene	mg/l	0.00001	0.0001	80	<0.01	<0.01	0																																											
Carbazole	mg/l	0.00005	No WSV	80	<0.05	1	0																																											
Dibutyl phthalate	mg/l	0.00005	0.008	80	<0.05	0.1	1	BH5, 5m																																										
Anthraquinone	mg/l	0.00005	No WSV	80	<0.05	<0.05	0																																											
Fluoranthene	mg/l	0.00001	0.0000063	80	<0.01	<0.01	0																																											
Pyrene	mg/l	0.00001	N/A	80	<0.01	<0.01	0																																											
Butyl benzyl phthalate	mg/l	0.00005	No WSV	80	<0.05	<0.05	0																																											
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0																																											
Chrysene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0																																											
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0																																											
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0																																											
Benzo(a)pyrene	mg/l	0.00001	0.00000017	80	<0.01	<0.01	0																																											
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	No WSV	80	<0.01	<0.01	0																																											
Dibenz(a,h)anthracene	mg/l	0.00001	N/A	80	<0.01	<0.01	0																																											
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0																																											
3&4-Methylphenol	mg/l	0.0001	No WSV	80	<0.1	<0.1	0																																											
Methane	mg/L	0.1	No WSV	80	0.1	1.7	0																																											

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Assessment Criteria :	*Manual SSAC*							
CaCO (mg/l):	102.00			pH	6.96			
Calcium (mg/l):	27.00			DOC (mg/l)	4.90		Catchment area:	Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
pH	pH	0.01	6-9	80	5.9	13.19	0	
pH BRE	pH	0.01	No WSV	79	7.31	8.26	0	
Hardness Total			No WSV	76	130	340	0	
Ammoniacal nitrogen as N	mg/l	0.02	0.2	74	<0.015	23	38	BH4456, 4.5m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH101; BH101; BH103; BH103; BH103; BH101; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH101, 6m; BH103, 5.75m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH4463, 6.8m; QAQC1, None Suppliedm
Ammonia (Free Unionised) as N (w) at 25degC	mg/l	0.000036	No WSV	74	1.56843	567	0	
Ammonia / Ammoniacal Nitrogen as NH3	mg/l	0.024	No WSV	79	<0.024	567	0	
Sulphate	mg/l	1	400	80	<0.005	590	8	BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4454, 4.5m; BH101; BH5, 5m; BH102, 6.08m
Sulphate BRE	mg/l	1	No WSV	79	<0.005	472	0	
Cyanide (free)	mg/l	0.005	0.001	76	<0.005	2.4	2	BH4456, 5m; BH4456, 5m
Cyanide (total)	mg/l	0.005	N/A	80	<0.005	6	0	
Antimony	mg/l	0.001	N/A	80	0.4	3	0	
Arsenic	mg/l	0.001	0.05	80	0.15	536	28	BH4885, 4m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH103, 5.75m; BH4456, 5m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH4, 5.5m; BH6, 4.5m; BH103, 5.75m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH4463, 6.8m; QAQC1, None Suppliedm
Boron	mg/l	0.01	2	80	<0.2	490	45	BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm
Cadmium	mg/l	0.0002	0.00015	76	0.02	1.5	36	BH4, 6m; BH3, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4458, 6.2m; BH4460, 13.75m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm
Copper	mg/l	0.001	0.01137	80	0.4	150	54	BH4456, 4.5m; BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm
Chromium	mg/l	0.001	See Cr VI as first pass	80	0.2	56	0	
Chromium	mg/l	0.01	See Cr VI as first pass	80	<0.01	<5	0	
Lead	mg/l	0.001	0.00371	80	<0.09	15	9	BH4456, 4.5m; BH3, 3.5m; BH7, 3m; BH4460, 20.5m; BH4463, 7m; BH5, 5m; BH4456, 5m; BH5, 5m; BH4456, 5m
Magnesium	mg/l	1	N/A	80	0.037	5300	0	
Mercury	mg/l	0.0001	0.00007	80	<<0.05	<0.2	0	
Nickel	mg/l	0.001	0.00647	80	0.7	53	56	BH4456, 4.5m; BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4; BH101; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm
Potassium	mg/l	1.2	N/A	80	5	69	0	
Selenium	mg/l	0.001	N/A	80	<0.6	16	0	
Zinc	mg/l	0.001	0.0232	80	2	33	56	BH4456, 4.5m; BH4, 6m; BH101, 4.5m; BH1, 4m; BH2, 3.5m; BH3, 3.5m; BH4885, 4m; BH5, 3m; BH6, 3m; BH4886, 3.5m; BH7, 3m; BH4454, 4.5m; BH4458, 5m; BH4461, 13.2m; BH4460, 20.5m; BH4463, 5m; BH102, 5m; BH103, 5m; BH4; BH101; BH103; BH103; BH4463, 7m; QAQC1 - BH4463, None Suppliedm; QAQC2 - Blank, None Suppliedm; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH7, 4.35m; BH101, 6m; BH102, 6.08m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH1, 6m; BH2, 5.5m; BH3, 5.5m; BH4, 5.5m; BH5, 5m; BH6, 4.5m; BH101, 6m; BH103, 5.75m; BH4454, 6m; BH4456, 5m; BH4458, 6.2m; BH4460, 13.75m; BH4461, 11.25m; BH7, 4.35m; BH4463, 6.8m; QAQC1, None Suppliedm
PAH 16MS								
Acenaphthene	mg/l	0.00001	Screen BaP only	80	0.01	1.04	0	
Acenaphthylene	mg/l	0.00001	Screen BaP only	80	<0.01	0.02	0	
Anthracene	mg/l	0.00001	0.0001	80	<0.01	0.02	1	BH4460, 20.5m
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	80	0.01	0.01	0	
Benzo(a)pyrene	mg/l	0.00001	0.00000017	80	<0.01	<0.01	0	
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	80	0.01	0.01	0	
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Chrysene	mg/l	0.00001	Screen BaP only	80	0.01	0.01	0	
Dibenzo(ah)anthracene	mg/l	0.00001	No WSV	80	<0.01	<0.01	0	
Fluoranthene	mg/l	0.00001	0.0000063	80	0.01	0.07	3	BH4456, 4.5m; BH5, 3m; BH4460, 20.5m
Fluorene	mg/l	0.00001	N/A	80	<0.01	0.48	0	
Indeno(123-cd)pyrene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Naphthalene	mg/l	0.00001	0.002	80	<0.01	0.79	6	BH4456, 4.5m; BH4886, 3.5m; BH7, 3m; BH4461, 13.2m; BH4460, 20.5m; QAQC2 - Blank, None Suppliedm
Phenanthrene	mg/l	0.00001	Screen BaP only	80	<0.01	0.3	0	
Pyrene	mg/l	0.00001	N/A	80	0.01	0.08	0	
Total PAH 16MS	mg/l	0.00001	No WSV	80	0.01	2.61	0	
SVOC (excluding PAH-16)								
2,4,5-Trichlorophenol	mg/l	0.001	No WSV	79	1	<1	0	
2,4,6-Trichlorophenol	mg/l	0.001	N/A	79	1	<1	0	
2,4-Dichlorophenol	mg/l	0.001	0.0042	79	1	<1	0	
2,4-Dimethylphenol	mg/l	0.001	No WSV	79	1	<1	0	
2,4-Dinitrotoluene	mg/l	0.001	No WSV	79	1	<1	0	
2,6-Dinitrotoluene	mg/l	0.001	No WSV	79	1	<1	0	
2-Chloronaphthalene	mg/l	0.001	No WSV	79	1	<1	0	
2-Chlorophenol	mg/l	0.001	0.05	79	1	<1	0	
2-Methylnaphthalene	mg/l	0.001	No WSV	79	1	<1	0	
2-Methylphenol	mg/l	0.001	No WSV	79	1	<1	0	
2-Nitrophenol	mg/l	0.001	No WSV	79	1	<1	0	
4-Bromophenyl phenyl ether	mg/l	0.001	No WSV	79	1	<1	0	
4-Chloro-3-methylphenol	mg/l	0.001	0.04	79	1	<1	0	
Bis(2-chloroisopropyl)ether	mg/l	0.001	No WSV	79	1	<1	0	
3+4-Methylphenol	mg/l	0.001	No WSV	79	1	<1	0	
4-Nitrophenol	mg/l	0.001	No WSV	79	1	<1	0	
Bis(2-chloroethyl)ether	mg/l	0.001	No WSV	79	1	<1	0	
Bis(2-chloroethoxy)methane	mg/l	0.001	No WSV	79	1	<1	0	
Bis(2-ethylhexyl)phthalate	mg/l	0.01	No WSV	79	10	<10	0	
Butylbenzyl phthalate	mg/l	0.001	No WSV	79	1	<1	0	
Carbazole	mg/l	0.001	No WSV	79	1	<1	0	
Dibenzofuran	mg/l	0.001	No WSV	79	1	<1	0	
n-Dibutylphthalate	mg/l	0.001	No WSV	79	1	<1	0	
n-Dioctylphthalate	mg/l	0.01	No WSV	79	10	<10	0	
n-Nitroso-n-dipropylamine	mg/l	0.001	No WSV	79	1	<1	0	
Diethyl-phthalate	mg/l	0.001	No WSV	79	1	<1	0	
Dimethyl phthalate	mg/l	0.001	No WSV	79	1	<1	0	
Hexachlorobenzene	mg/l	0.001	0.00005	79	1	<1	0	
Pentachlorophenol (SVOC)	mg/l	0.001	No WSV	79	1	<1	0	
Phenol	mg/l	0.001	0.0077	79	1	<1	0	
Hexachloroethane	mg/l	0.001	No WSV	79	1	<1	0	
Nitrobenzene	mg/l	0.001	No WSV	79	1	<1	0	
Isophorone	mg/l	0.001	No WSV	80	<1	<1	0	
Hexachlorocyclopentadiene	mg/l	0.001	No WSV	80	<1	<1	0	
Perylene	mg/l	0.001	No WSV	80	<1	<1	0	
VOC	mg/l	0	No WSV	80	0	0	0	
Dichlorodifluoromethane	mg/l	0.001	No WSV	79	1	<1	0	
Chloromethane	mg/l	0.01	No WSV	79	<1	<10	0	
Vinyl Chloride	mg/l	0.001	N/A	79	<1	13	0	

	BH4462	BH4485	BH4486	ATK BH5906	BH1	BH2	BH3	BH4	BH5	BH6	BH101	BH103	BH4454	BH4455	BH4456	BH4458	BH4459	BH4460	BH4461	BH4462	BH4485	BH7	BH4486	ATK BH5907	ATK BH5910	BH4463	QAQC1
	9.25m	4.2m	5.1m	10.3m	6m	5.5m	5.5m	5.5m	5m	4.5m	6m	5.75m	6m	6m	5m	6.2m	8.75m	13.75m	11.25m	9.25m	4.2m	4.35m	5.1m	10m	6.2m	6.8m	None Suppliedm
	25/04/2022	27/04/2022	27/04/2022	12/05/2022	12/05/2022	11/05/2022	11/05/2022	11/05/2022	12/05/2022	12/05/2022	12/05/2022	12/05/2022	11/05/2022	11/05/2022	11/05/2022	11/05/2022	11/05/2022	12/05/2022	12/05/2022	12/05/2022	12/05/2022	12/05/2022	13/05/2022	09/08/2022	09/08/2022	09/08/2022	09/08/2022	09/08/2022

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ATKINS

Assessment Criteria :	*Manual SSAC*							
CaCO (mg/l):	102.00		pH	6.96				
Calcium (mg/l):	27.00		DOC (mg/l)	4.90		Catchment area:		Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
BH4462								
9.25m								
25/04/2022								
BH4485								
4.2m								
27/04/2022								
BH4486								
5.1m								
27/04/2022								
ATK BH5906								
10.3m								
12/05/2022								
BH1								
6m								
12/05/2022								
BH2								
5.5m								
11/05/2022								
BH3								
5.5m								
11/05/2022								
BH4								
5.5m								
11/05/2022								
BH5								
5m								
12/05/2022								
BH6								
4.5m								
12/05/2022								
BH101								
6m								
12/05/2022								
BH103								
5.75m								
12/05/2022								
BH4454								
6m								
11/05/2022								
BH4455								
6m								
11/05/2022								
BH4456								
5m								
11/05/2022								
BH4458								
6.2m								
11/05/2022								
BH4459								
8.75m								
11/05/2022								
BH4460								
13.75m								
12/05/2022								
BH4461								
11.25m								
12/05/2022								
BH4462								
9.25m								
12/05/2022								
BH4485								
4.2m								
12/05/2022								
BH7								
4.35m								
13/05/2022								
BH4486								
5.1m								
13/05/2022								
ATK BH5907								
10m								
09/08/2022								
ATK BH5910								
6.2m								
09/08/2022								
BH4463								
6.8m								
09/08/2022								
QAQC1								
None Suppliedm								
09/08/2022								
Bromomethane	mg/l	0.001	No WSV	79	1	<1	0	
Chloroethane	mg/l	0.001	No WSV	79	1	<1	0	
Trichlorofluoromethane	mg/l	0.001	No WSV	79	<1	8	0	
trans 1,2-Dichloroethene	mg/l	0.001	No WSV	79	1	<1	0	
Dichloromethane	mg/l	0.005	0.02	79	5	<5	0	
Carbon Disulphide	mg/l	0.001	No WSV	79	1	<1	0	
1,1-Dichloroethene	mg/l	0.001	No WSV	79	1	<1	0	
1,1-Dichloroethane	mg/l	0.001	No WSV	79	1	<1	0	
cis 1,2-Dichloroethene	mg/l	0.001	No WSV	79	<1	19	0	
Bromochloromethane	mg/l	0.005	No WSV	79	<4	<5	0	
Chloroform	mg/l	0.001	0.0025	79	1	<1	0	
2,2-Dichloropropane	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dichloroethane	mg/l	0.002	0.01	79	<1	<2	0	
1,1,1-Trichloroethane	mg/l	0.001	0.1	79	1	<1	0	
1,1-Dichloropropene	mg/l	0.001	No WSV	79	1	<1	0	
Benzene	mg/l	0.001	0.01	79	1	<1	0	
Carbon Tetrachloride	mg/l	0.001	0.012	79	1	<1	0	
Dibromomethane	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dichloropropane	mg/l	0.001	N/A	79	1	<1	0	
Bromodichloromethane	mg/l	0.01	N/A	79	<4	<10	0	
Trichloroethene	mg/l	0.001	0.01	79	1	1	1	BH4458, 5m
cis 1,3-Dichloropropene	mg/l	0.001	No WSV	79	1	<1	0	
trans 1,3-Dichloropropene	mg/l	0.001	No WSV	79	1	<1	0	
1,1,2-Trichloroethane	mg/l	0.001	0.4	79	1	<1	0	
Toluene	mg/l	0.001	0.074	79	1	<1	0	
1,3-Dichloropropane	mg/l	0.001	No WSV	79	1	<1	0	
Dibromochloromethane	mg/l	0.003	N/A	79	<1	<3	0	
1,2-Dibromoethane	mg/l	0.001	N/A	79	1	<1	0	
Tetrachloroethene	mg/l	0.001	0.01	79	1	<1	0	
1,1,1,2-Tetrachloroethane	mg/l	0.001	No WSV	79	1	<1	0	
Chlorobenzene	mg/l	0.001	N/A	79	1	<1	0	
Ethylbenzene	mg/l	0.001	0.02	79	1	<1	0	
m & p Xylene	mg/l	0.001	No WSV	79	1	<2	0	
Bromoform	mg/l	0.001	N/A	79	1	<1	0	
Styrene	mg/l	0.001	0.05	79	1	<1	0	
1,1,2,2-Tetrachloroethane	mg/l	0.001	No WSV	79	1	<1	0	
o-Xylene	mg/l	0.001	See Xylenes (total)	79	1	<1	0	
1,2,3-Trichloropropane	mg/l	0.001	No WSV	79	1	<1	0	
Isopropylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
Bromobenzene	mg/l	0.001	No WSV	79	1	<1	0	
2-Chlorotoluene	mg/l	0.001	No WSV	79	1	<1	0	
n-propylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
4-Chlorotoluene	mg/l	0.001	No WSV	79	1	<1	0	
1,2,4-Trimethylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
4-Isopropyltoluene	mg/l	0.001	No WSV	79	1	<1	0	
1,3,5-Trimethylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dichlorobenzene	mg/l	0.001	0.02	79	1	<1	0	
1,4-Dichlorobenzene	mg/l	0.001	0.02	79	1	<1	0	
sec-Butylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
tert-Butylbenzene	mg/l	0.002	No WSV	79	<1	<2	0	
1,3-Dichlorobenzene	mg/l	0.001	No WSV	79	1	<2	0	
n-butylbenzene	mg/l	0.001	No WSV	79	1	<1	0	
1,2-Dibromo-3-chloropropane	mg/l	0.002	N/A	79	<1	<2	0	
1,2,4-Trichlorobenzene	mg/l	0.003	No WSV	79	<1	<3	0	
1,2,3-Trichlorobenzene	mg/l	0.003	No WSV	79	<1	<3	0	
Hexachlorobutadiene	mg/l	0.001	0.0006	79	1	<1	0	
TPH CWG								
Aliphatic TPH >C5-C6	mg/l	0.001	0.01	79	1	<3	0	
Aliphatic TPH >C6-C8	mg/l	0.001	0.01	79	<1	3	1	BH4461, 13.2m
Aliphatic TPH >C8-C10	mg/l	0.005	0.01	79	<1	10	1	BH4460, 20.5m
Aliphatic TPH >C10-C12	mg/l	0.005	0.01	79	<5	<10	1	BH4460, 20.5m
Aliphatic TPH >C12-C16	mg/l	0.005	0.01	79	5	<10	0	
Aliphatic TPH >C16-C21	mg/l	0.005	0.01	79	5	<10	0	
Aliphatic TPH >C21-C35	mg/l	0.005	0.01	79	<5	<10	1	BH4460, 20.5m
Total Aliphatics	mg/l	0.005	No WSV	79	<5	25	0	
Aromatic TPH >C5-C7	mg/l	0.001	0.01	79	1	<1	0	
Aromatic TPH >C7-C8	mg/l	0.001	0.01	79	1	<1	0	
Aromatic TPH >C8-C10	mg/l	0.005	0.01	79	<1	<10	0	
Aromatic TPH >C10-C12	mg/l	0.005	0.01	79	<5	21	2	BH4460, 20.5m; BH4463, 7m
Aromatic TPH >C12-C16	mg/l	0.005	0.01	79	<5	20	2	BH4460, 20.5m; BH4463, 7m
Aromatic TPH >C16-C21	mg/l	0.005	0.01	79	<5	<10	1	BH4460, 20.5m
Aromatic TPH >C21-C35	mg/l	0.01	0.01	79	10	<10	0	
Total Aromatics	mg/l	0.01	No WSV	79	<10	41	0	
TPH (Ali & Aro >C5-C35)	mg/l	0.01	No WSV	79	<10	56	0	
Benzene	mg/l	0.001	0.01	79	1	<1	0	
Toluene	mg/l	0.001	0.074	79	1	<1	0	
Ethyl Benzene	mg/l	0.001	No WSV	79	1	<1	0	
m & p Xylene	mg/l	0.001	No WSV	79	1	<1	0	
o Xylene	mg/l	0.001	No WSV	79	1	<1	0	
MTBE	mg/l	0.001	No WSV	79	1	<1	0	
VOCs								
Dichlorodifluoromethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Chloromethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Vinyl Chloride	mg/l	0.000001	N/A	80	<0.001	10.5	0	
Bromomethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Chloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Trichlorofluoromethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,1-dichloroethylene	mg/l	0.000001	N/A	80	<0.001	<1	0	
Methylene Chloride	mg/l	0.000001	No WSV	80	<0.027	<1	0	
Cis-1,2-dichloroethene	mg/l	0.000001	No WSV	80	<1	12.1	0	
Trans-1,2-dichloroethylene	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,1-dichloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Cis-1,2-dichloroethylene	mg/l	0.000001	N/A	80	<0.001	<1	0	
2,2-dichloropropane	mg/l	0.000001	No WSV	80	<0.002	<1	0	
Bromochloromethane	mg/l	0.000001	No WSV	80	<0.004	<1	0	
Chloroform	mg/l	0.000001	0.0025	80	<0.001	<1	0	
1,1,1-trichloroethane	mg/l	0.000001	0.1	80	<0.001	<1	0	
1,1-dichloropropene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Carbon tetrachloride	mg/l	0.000001	0.012	80	<0.001	<1	0	
Benzene	mg/l	0.000001	0.01	80	<0.001	<1	0	
1,2-dichloroethane	mg/l	0.000001	0.01	80	<0.001	<1	0	
Trichloroethylene	mg/l	0.000001	0.01	80	0.001	<1	0	
1,2-dichloropropane	mg/l	0.000001	N/A	80	<0.001	<1	0	
Dibromomethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Bromodichloromethane	mg/l	0.000001	N/A	80	<0.004	<1	0	
cis-1,3-dichloropropene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Toluene	mg/l	0.000001	0.074	80	<0.001	<1	0	
trans-1,3-dichloropropene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,1,2-trichloroethane	mg/l	0.000001	0.4	80	<0.001	<1	0	
Tetrachloroethylene	mg/l	0.000001	0.01	80	<0.001	<1	0	
1,3-dichloropropane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Dibromochloromethane	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,2-dibromoethane	mg/l	0.000001	N/A	80	<0.001	<1	0	
Chlorobenzene	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,1,1,2-tetrachloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Ethylbenzene	mg/l	0.000001	0.02	80	<0.001	<1	0	
m+p Xylene	mg/l	0.000001	No WSV	80	<0.002	<1	0	
o-Xylene	mg/l	0.000001	See Xylenes (total)	80	<0.001	<1	0	
Styrene	mg/l	0.000001	0.05	80	<0.001	<1	0	
Bromoform	mg/l	0.000001	N/A	80	<0.001	<1	0	
Isopropylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,1,2,2-tetrachloroethane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Bromobenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,2,3-trichloropropane	mg/l	0.000001	No WSV	80	<0.001	<1	0	
n-propylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
2-chlorotoluene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,3,5-trimethylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
4-chlorotoluene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Tert-butylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,2,4-trimethylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
sec-butylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
p-isopropyltoluene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,3-dichlorobenzene	mg/l	0.000001	No WSV	80	<0.002	<1	0	
1,4-dichlorobenzene	mg/l	0.000001	0.02	80	<0.001	<1	0	
n-butylbenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
1,2-dichlorobenzene	mg/l	0.000001	0.02	80	<0.001	<1	0	
1,2-dibromo-3-chloropropane	mg/l	0.000001	N/A	80	<0.001	<1	0	
1,2,4-trichlorobenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
Hexachlorobutadiene	mg/l	0.000001	0.0006	80	<0.001	<1	0	
Naphthalene	mg/l	0.000001	0.002	80	<0.001	<1	0	
1,2,3-trichlorobenzene	mg/l	0.000001	No WSV	80	<0.001	<1	0	
MTBE	mg/l	0.000001	No WSV	80	<0.001	<1	0	
SVOCs								
Aniline	mg/l	0.00005	No WSV	80	<0.05	7	0	
Phenol	mg/l	0.00005	0.0077	80	<0.05	<0.05	0	
2-Chlorophenol	mg/l	0.00005	0.05	80	<0.05	<0.05	0	
Bis(2-chloroethyl)ether	mg/l	0.00005	No WSV	80	<0.05	0.65	0	
1,3-Dichlorobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
1,2-Dichlorobenzene	mg/l	0.00005	0.02	80	<0.05	<0.05	0	
1,4-Dichlorobenzene	mg/l	0.00005	0.02	80	<0.05	<0.05	0	
Bis(2-chloroisopropyl)ether	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
2-Methylphenol	mg/l	0.00005	No WSV	80	<0.05	0.53	0	
Hexachloroethane	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Nitrobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
4-Methylphenol	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Isophorone	mg/l	0.00005	No WSV	80	<0.05	3.4	0	
2-Nitrophenol	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
2,4-Dimethylphenol	mg/l	0.00005	No WSV	80	<0.05	1.7	0	
Bis(2-chloroethoxy)methane	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
1,2,4-Trichlorobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Naphthalene	mg/l	0.00001	0.002	80	<0.01	0.79	1	QAQC2 - Blank, None Suppliedm
2,4-Dichlorophenol	mg/l	0.00005	0.0042	80	<0.05	<0.05	0	
4-Chloroaniline	mg/l	0.00005	No WSV	80	<0.05	0.27	0	
Hexachlorobutadiene	mg/l	0.00005	0.0006	80	<0.05	<0.05	0	
4-Chloro-3-methylphenol	mg/l	0.00005	0.04	80	<0.05	0.53	1	BH5, 5m

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Assessment Criteria :								*Manual SSAC*
CaCO (mg/l):	102.00			pH	6.96			
Calcium (mg/l):	27.00			DOC (mg/l)	4.90		Catchment area:	Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
2,4,6-Trichlorophenol	mg/l	0.00005	N/A	80	<0.05	<0.05	0	
2,4,5-Trichlorophenol	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
2-Methylnaphthalene	mg/l	0.00005	No WSV	80	<0.05	0.37	0	
2-Chloronaphthalene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Dimethylphthalate	mg/l	0.00005	0.8	80	<0.05	<0.05	0	
2,6-Dinitrotoluene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Acenaphthylene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Acenaphthene	mg/l	0.00001	Screen BaP only	80	<0.01	1	0	
2,4-Dinitrotoluene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Dibenzofuran	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
4-Chlorophenyl phenyl ether	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Diethyl phthalate	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
4-Nitroaniline	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Fluorene	mg/l	0.00001	N/A	80	<0.01	0.48	0	
Azobenzene	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Bromophenyl phenyl ether	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Hexachlorobenzene	mg/l	0.00005	0.00005	80	<0.05	<0.05	0	
Phenanthrene	mg/l	0.00001	Screen BaP only	80	<0.01	0.3	0	
Anthracene	mg/l	0.00001	0.0001	80	<0.01	<0.01	0	
Carbazole	mg/l	0.00005	No WSV	80	<0.05	1	0	
Dibutyl phthalate	mg/l	0.00005	0.008	80	<0.05	0.1	1	BH5, 5m
Anthraquinone	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Fluoranthene	mg/l	0.00001	0.0000063	80	<0.01	<0.01	0	
Pyrene	mg/l	0.00001	N/A	80	<0.01	<0.01	0	
Butyl benzyl phthalate	mg/l	0.00005	No WSV	80	<0.05	<0.05	0	
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Chrysene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
Benzo(a)pyrene	mg/l	0.00001	0.00000017	80	<0.01	<0.01	0	
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	No WSV	80	<0.01	<0.01	0	
Dibenz(a,h)anthracene	mg/l	0.00001	N/A	80	<0.01	<0.01	0	
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	80	<0.01	<0.01	0	
3&4-Methylphenol	mg/l	0.0001	No WSV	80	<0.1	<0.1	0	
Methane	mg/L	0.1	No WSV	80	0.1	1.7	0	

	BH4462	BH4485	BH4486	ATK BH5906	BH1	BH2	BH3	BH4	BH5	BH6	BH101	BH103	BH4454	BH4455	BH4456	BH4458	BH4459	BH4460	BH4461	BH4462	BH4485	BH7	BH4486	ATK BH5907	ATK BH5910	BH4463	QAQC1
	9.25m	4.2m	5.1m	10.3m	6m	5.5m	5.5m	5.5m	5m	4.5m	6m	5.75m	6m	6m	5m	6.2m	8.75m	13.75m	11.25m	9.25m	4.2m	4.35m	5.1m	10m	6.2m	6.8m	None Suppliedm
	25/04/2022	27/04/2022	27/04/2022	12/05/2022	12/05/2022	11/05/2022	11/05/2022	11/05/2022	12/05/2022	12/05/2022	12/05/2022	12/05/2022	11/05/2022	11/05/2022	11/05/2022	11/05/2022	11/05/2022	12/05/2022	12/05/2022	12/05/2022	12/05/2022	13/05/2022	13/05/2022	09/08/2022	09/08/2022	09/08/2022	09/08/2022	09/08/2022

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Assessment Criteria :	Manual SSAC
CaCO (mg/l):	102.00
pH	6.96
Calcium (mg/l):	27.00
DOC (mg/l)	4.90
Catchment area:	Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	ATKBH5906	BH4459	ATKBH5910	BH4462	ATKBH5907	BH4455	ATK BH5907	ATK BH5910	ATK BH5906	BH4455	BH4459	BH4462	ATK BH5906	BH4455	BH4459	BH4462	ATK BH5907	ATK BH5910
								Depth	8.4m	6.9m	4.8m	7.9m	7.5m	5.5m	10m	6.15m	10.3m	6m	8.75m	9.25m	10.3m	6m	8.75m	9.25m	10m	6.2m
								Date	18/01/2021	18/01/2021	18/01/2021	18/01/2021	18/01/2021	20/01/2021	28/06/2022	28/06/2022	25/04/2022	26/04/2022	25/04/2022	25/04/2022	12/05/2022	11/05/2022	11/05/2022	12/05/2022	09/08/2022	09/08/2022
								Strata	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill		
								Zone																		
pH	pH	0.01	6-9	18	7.2	10	0		7.94	7.91	8	8.21	7.5	7.51	8.7	8.8	8.2	8.7	7.2	10	8	8.7	7.3	9.9	8.8	8.6
pH BRE	pH	0.01	No WSV	18	7.5	8.21	0		7.94	7.91	8	8.21	7.5	7.51												
Hardness Total			No WSV	17	0	0	0							-												
Ammoniacal nitrogen as N	mg/l	0.02	0.2	18	1.3	190	13	BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m						11.59	26	8.7	3.3	37	1.3	97	36	45	12	100	190	74
Ammonia (Free Unionised) as N (w) at 25degC	mg/l	0.000036	No WSV	18	82	82	0							82												
Ammonia / Ammoniacal Nitrogen as NH3	mg/l	0.024	No WSV	18	1.049	82	0		10.78	1.049	8.718	11.5	20.793	82												
Sulphate	mg/l	1	400	18	<0.005	663	7	BH4462, 7.9m; ATKBH5907, 7.5m; ATK BH5907, 10m; ATK BH5906, 10.3m; BH4462, 9.25m; BH4462, 9.25m; ATK BH5907, 10m	262	380	375	520	512	<0.005	663	296	410	170	283	462	349	135	245	510	551	327
Sulphate BRE	mg/l	1	No WSV	18	0.012	520	0		262	380	375	520	512	0.012												
Cyanide (free)	mg/l	0.005	0.001	17	0.005	<1	0		<0.005	<0.005	<0.005	<0.005	<0.005	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cyanide (total)	mg/l	0.005	N/A	18	<0.005	19	0		0.007	<0.005	<0.005	0.01	0.012	<1	19	3.9	4.6	2.7	<1	9.6	5.9	3.9	<1	9	12	4
Antimony	mg/l	0.001	N/A	18	<0.4	6	0		<1	<1	<1	2	<1	6	2.7	1	0.6	0.6	0.7	2.3	<0.4	0.8	0.5	2.4	2.2	0.9
Arsenic	mg/l	0.001	0.05	18	0.86	231	18	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m	7	3	15	9	13	231	28.9	13	2.52	2.65	0.89	8.45	2.89	2.74	0.86	7.77	34.9	17.7
Boron	mg/l	0.01	2	18	<0.2	1000	17	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m	698	257	715	789	649	<0.2	1000	490	490	190	210	700	530	190	190	740	730	420
Cadmium	mg/l	0.0002	0.00015	17	0.02	<0.2	5	ATK BH5907, 10m; ATK BH5910, 6.15m; BH4459, 8.75m; BH4459, 8.75m; ATK BH5907, 10m	<0.2	<0.2	<0.2	<0.2	<0.2	-	0.04	0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	0.02	<0.02	0.03	<0.02
Copper	mg/l	0.001	0.01137	18	0.9	71	18	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m	56	38	71	35	19	4	6.4	2.3	0.9	1.3	2.3	4.6	2.5	3.4	1.8	4.1	7.7	1.3
Chromium	mg/l	0.001	See Cr VI as first pass	18	<0.2	39	0		39	3	9	14	10	33	2.5	0.3	<5	<5	<5	<5	0.7	0.5	<0.2	0.7	1.5	0.3
Chromium	mg/l	0.01	See Cr VI as first pass	18	<0.01	<5	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<5	<5	0.6	0.4	<0.2	0.8	<5	<5	<5	<5	<5	<5
Lead	mg/l	0.001	0.00371	18	<0.2	1	4	ATK BH5907, 10m; ATK BH5906, 10.3m; BH4462, 9.25m; ATK BH5907, 10m	<1	<1	<1	<1	<1	<1	1	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	<0.2	<0.2	0.5	0.3	<0.2
Magnesium	mg/l	1	N/A	18	0.97	59	0		11	47	3	<1	9	8	17	7.1	34	15	59	1.7	25	13	49	0.97	15	15
Mercury	mg/l	0.0001	0.00007	18	0.05	0.33	3	ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5907, 10m	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.22	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.33	<0.05
Nickel	mg/l	0.001	0.00647	18	2	7.5	18	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m	3	6	4	6	6	2	7.5	3.8	2.6	2.6	5.7	4.9	2.8	2.5	5.6	5	5.8	3.3
Potassium	mg/l	1.2	N/A	18	13	74	0		18	13	37	31	56	32	74	30	24	23	15	37	22	23	14	36	68	31
Selenium	mg/l	0.001	N/A	18	0.6	4.8	0		<1	<1	<1	<1	<1	<1	4.8	1	0.9	<0.6	0.6	1.8	0.7	<0.6	<0.6	1.7	4.3	1.2
Zinc	mg/l	0.001	0.0232	18	2.2	10	18	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m	4	7	4	5	4	5	7.3	10	2.4	2.2	5.4	3.7	3.6	5.3	3.8	3.4	2.3	4
PAH 16MS																										
Acenaphthene	mg/l	0.00001	Screen BaP only	18	<0.01	3.14	0		1.84	0.02	2.75	0.33	1.17	1.97	<0.01	1.29	3.14	0.53	<0.01	<0.01	2.3	0.34	<0.01	<0.01	<0.01	1.99
Acenaphthylene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.1	0		<0.1	<0.01	0.07	0.02	<0.1	0.07	<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	mg/l	0.00001	0.0001	18	<0.01	0.6	7	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5906, 10.3m; ATK BH5906, 10.3m	0.14	<0.01	0.15	0.06	0.11	0.28	<0.01	<0.01	0.6	<0.01	<0.01	<0.01	0.29	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	18	0.01	<0.1	0		<0.1	<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
Benzo(a)pyrene	mg/l	0.00001	0.00000017	18	<<0.01	<0.1	0		<0.1	<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
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	18	<<0.01	<0.1	0		<0.1	<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
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	18	<<0.01	<0.1	0		<0.1	<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
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	18	<<0.01	<0.1	0		<0.1	<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
Chrysene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.1	0		<0.1	<0.01	<0.01	<0.01	<0.1	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
Dibenzo(ah)anthracene	mg/l	0.00001	No WSV	18	<<0.01	<0.1	0		<0.1	<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
Fluoranthene	mg/l	0.00001	0.0000063	18	<0.01	0.67	8	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5906, 10.3m; ATK BH5906, 10.3m	0.24	0.03	0.18	0.07	0.15	0.56	<0.01	<0.01	0.67	<0.01	<0.01	<0.01	0.41	<0.01	<0.01	<0.01	<0.01	<0.01
Fluorene	mg/l	0.00001	N/A	18	<0.01	4.53	0		0.9	0.02	1.24	0.22	0.59	4.53	<0.01	0.58	2.14	0.43	<0.01	<0.01	1.53	0.26	<0.01	<0.01	<0.01	1.02
Indeno(123-cd)pyrene	mg/l	0.00001	Screen BaP only	18	<<0.01	<0.1	0		<0.1	<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
Naphthalene	mg/l	0.00001	0.002	18	<0.01	7.96	12	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; ATK BH5906, 10.3m; BH4455, 6m; ATK BH5910, 6.2m	1.3	0.02	7.96	1.26	3.47	4.22	<0.01	2.02	1.24	1.51	<0.01	<0.01	0.82	1.06	<0.01	<0.01	<0.01	3.08
Phenanthrene	mg/l	0.00001	Screen BaP only	18	<0.01	3.09	0		1.32	0.02	1.12	0.4	0.77	3.03	<0.01	0.38	3.09	0.44	<0.01	<0.01	2.04	0.26	<0.01	<0.01	<0.01	0.61
Pyrene	mg/l	0.00001	N/A	18	<0.01	0.43	0		0.16	0.02	0.11	0.06	0.12	0.34	<0.01	<0.01	0.43	<0.01	<0.01	<0.01	0.25	<0.01	<0.01	<0.01	<0.01	<0.01
Total PAH 16MS	mg/l	0.00001	No WSV	18	0.13	15	0		5.9	0.13	13.6	2.42	6.38	15	<0.16	4.27	11.3	2.91	<0.16	<0.16	7.64	1.92	<0.16	<0.16	<0.16	6.7
SVOC (excluding PAH-16)																										
2,4,5-Trichlorophenol	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
2,4,6-Trichlorophenol	mg/l	0.001	N/A	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
2,4-Dichlorophenol	mg/l	0.001	0.0042	18	<1	3	1	ATKBH5907, 7.5m	<1	<1	<1	<1	3	<1												
2,4-Dimethylphenol	mg/l	0.001	No WSV	18	1	8	0		1	<1	2	<1	8	1												
2,4-Dinitrotoluene	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
2,6-Dinitrotoluene	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
2-Chloronaphthalene	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
2-Chlorophenol	mg/l	0.001	0.05	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
2-Methylnaphthalene	mg/l	0.001	No WSV	18	1	1	0		<1	<1	1	<1	<1	<1												
2-Methylphenol	mg/l	0.001	No WSV	18	1	7	0		<1	<1	1	<1	7	2												
2-Nitrophenol	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
4-Bromophenyl phenyl ether	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
4-Chloro-3-methylphenol	mg/l	0.001	0.04	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Bis(2-chloroisopropyl)ether	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
3+4-Methylphenol	mg/l	0.001	No WSV	18	1	14	0		10	<1	6	1	14	3												
4-Nitrophenol	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Bis(2-chloroethyl)ether	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Bis(2-chloroethoxy)methane	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Bis(2-ethylhexyl)phthalate	mg/l	0.01	No WSV	18	<10	<10	0		<10	<10	<10	<10	<10	<10												
Butylbenzyl phthalate	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Carbazole	mg/l	0.001	No WSV	18	1	2	0		<1	<1	2	<1	1	1												
Dibenzofuran	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
n-Dibutylphthalate	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
n-Dioctylphthalate	mg/l	0.01	No WSV	18	<10	<10	0		<10	<10	<10	<10	<10	<10												
n-Nitroso-n-dipropylamine	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Diethyl phthalate	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Dimethyl phthalate	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Hexachlorobenzene	mg/l	0.001	0.00005	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Pentachlorophenol (SVOC)	mg/l	0.001	No WSV	18	1	3	0		<1	<1	3	2	1	2												
Phenol	mg/l	0.001	0.0077	18	<1	109	4	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m; BH4455, 5.5m	40	<1	28	<1	32	109												
Hexachloroethane	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Nitrobenzene	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Isophorone	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Hexachlorocyclopentadiene	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Perylene	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
VOC	mg/l	0	No WSV	18	0	0	0																			
Dichlorodifluoromethane	mg/l	0.001	No WSV	18	1	2	0		2	<1	<1	<1	1	<1												
Chloromethane	mg/l	0.01	No WSV	18	<10	<10	0		<10	<10	<10	<10	<10	<10												
Vinyl Chloride	mg/l	0.001	N/A	18	<1	4	0		<1	4	<1	<1	<1	<1												
Bromomethane	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Chloroethane	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Trichlorofluoromethane	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
trans 1,2-Dichloroethene	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Dichloromethane	mg/l	0.005	0.02	18	<5	<5	0		<5	<5	<5	<5	<5	<5												
Carbon Disulphide	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
1,1-Dichloroethene	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
1,1-Dichloroethane	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
cis 1,2-Dichloroethene	mg/l	0.001	No WSV	18	<1	23	0		<1	23	<1	<1	<1	<1												
Bromochloromethane	mg/l	0.005	No WSV	18	<5	<5	0		<5	<5	<5	<5	<5	<5												
Chloroform	mg/l	0.001	0.0025	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
2,2-Dichloropropane	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
1,2-Dichloroethane	mg/l	0.002	0.01	18	2	2	1	BH4459, 6.9m	<2	2	<2	<2	<2	<2												
1,1,1-Trichloroethane	mg/l	0.001	0.1	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
1,1-Dichloropropene	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Benzene	mg/l	0.001	0.01	18	1	3	3	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m	1	<1	3	<1	1	<1												
Carbon Tetrachloride	mg/l	0.001	0.012	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Dibromomethane	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
1,2-Dichloropropane	mg/l	0.001	N/A	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Bromodichloromethane	mg/l	0.01	N/A	18	<10	<10	0		<10	<10	<10	<10	<10	<10												
Trichloroethene	mg/l	0.001	0.01	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
cis 1,3-Dichloropropene	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
trans 1,3-Dichloropropene	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
1,1,2-Trichloroethane	mg/l	0.001	0.4	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Toluene	mg/l	0.001	0.074	18	1	1	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m	1	<1	1	<1	<1	<1												
1,3-Dichloropropane	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Dibromochloromethane	mg/l	0.003	N/A	18	<3	<3	0		<3	<3	<3	<3	<3	<3												
1,2-Dibromoethane	mg/l	0.001	N/A	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Tetrachloroethene	mg/l	0.001	0.01	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
1,1,1,2-Tetrachloroethane	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												
Chlorobenzene	mg/l	0.001	N/A	18	<1	4	0		<1	<1	4	<1	<1	<1												
Ethylbenzene	mg/l	0.001	0.02	18	1	1	1	ATKBH5910, 4.8m	<1	<1	1	<1	<1	<1												
m & p Xylene	mg/l	0.001	No WSV	18	<1	<1	0		<1	<1	<1	<1	<1	<1												

Further sample columns (no results entered):

Sample ID	Depth	Date	Strata
ATKBH5907	7.5m	18/01/2021	Landfill
BH4455	5.5m	20/01/2021	Landfill
BH4460	20.5m	20/01/2021	Coal Measures
BH4463	5m	20/01/2021	Sand & Gravel
BH102	5m	20/01/2021	Clay & Sand
BH103	5m	20/01/2021	Silt & Sand
POND SAMPLE		20/01/2021	
CANAL SAMPLE		20/01/2021	
BH101		16/10/2019	Clay & Gravel
BH103		16/10/2019	Silt & Sand
BH4		16/10/2019	Clay, sand & Gravel
SW1		16/10/2019	
SW2		16/10/2019	
SW3		16/10/2019	
SW4		16/10/2019	
BH101		18/12/2018	Clay & Gravel
BH103		18/12/2018	Silt & Sand
SW1		18/12/2018	
SW2		18/12/2018	
SW3		18/12/2018	
SW4		18/12/2018	
D1		18/12/2018	
BH101		25/01/2019	Silt & Sand

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ATKINS

Assessment Criteria :	Manual SSAC				
CaCO (mg/l):	102.00	pH	6.96		
Calcium (mg/l):	27.00	DOC (mg/l)	4.90	Catchment area:	Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
Bromoform	mg/l	0.001	N/A	18	<1	<1	0	
Styrene	mg/l	0.001	0.05	18	<1	3	1	ATKBH5910, 4.8m
1,1,2,2-Tetrachloroethane	mg/l	0.001	No WSV	18	<1	<1	0	
o-Xylene	mg/l	0.001	See Xylenes (total)	18	<1	<1	0	
1,2,3-Trichloropropane	mg/l	0.001	No WSV	18	<1	<1	0	
Isopropylbenzene	mg/l	0.001	No WSV	18	1	1	0	
Bromobenzene	mg/l	0.001	No WSV	18	<1	<1	0	
2-Chlorotoluene	mg/l	0.001	No WSV	18	<1	<1	0	
n-propylbenzene	mg/l	0.001	No WSV	18	<1	<1	0	
4-Chlorotoluene	mg/l	0.001	No WSV	18	<1	<1	0	
1,2,4-Trimethylbenzene	mg/l	0.001	No WSV	18	<1	<1	0	
4-Isopropyltoluene	mg/l	0.001	No WSV	18	<1	<1	0	
1,3,5-Trimethylbenzene	mg/l	0.001	No WSV	18	<1	<1	0	
1,2-Dichlorobenzene	mg/l	0.001	0.02	18	<1	<1	0	
1,4-Dichlorobenzene	mg/l	0.001	0.02	18	<1	<1	0	
sec-Butylbenzene	mg/l	0.001	No WSV	18	<1	<1	0	
tert-Butylbenzene	mg/l	0.002	No WSV	18	<2	<2	0	
1,3-Dichlorobenzene	mg/l	0.001	No WSV	18	<1	<1	0	
n-butylbenzene	mg/l	0.001	No WSV	18	<1	<1	0	
1,2-Dibromo-3-chloropropane	mg/l	0.002	N/A	18	<2	<2	0	
1,2,4-Trichlorobenzene	mg/l	0.003	No WSV	18	<3	<3	0	
1,2,3-Trichlorobenzene	mg/l	0.003	No WSV	18	<3	<3	0	
Hexachlorobutadiene	mg/l	0.001	0.0006	18	<1	<1	0	
TPH CWG								
Aliphatic TPH >C5-C6	mg/l	0.001	0.01	18	<<1	<3	0	
Aliphatic TPH >C6-C8	mg/l	0.001	0.01	18	<1	3	4	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; BH4455, 5.5m
Aliphatic TPH >C8-C10	mg/l	0.005	0.01	18	<1	17	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m
Aliphatic TPH >C10-C12	mg/l	0.005	0.01	18	5	<10	2	ATKBH5910, 4.8m; ATKBH5907, 7.5m
Aliphatic TPH >C12-C16	mg/l	0.005	0.01	18	<5	<10	0	
Aliphatic TPH >C16-C21	mg/l	0.005	0.01	18	<5	<10	0	
Aliphatic TPH >C21-C35	mg/l	0.005	0.01	18	<5	12	2	ATKBH5907, 7.5m; BH4455, 5.5m
Total Aliphatics	mg/l	0.005	No WSV	18	<5	27	0	
Aromatic TPH >C5-C7	mg/l	0.001	0.01	18	1	3	3	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m
Aromatic TPH >C7-C8	mg/l	0.001	0.01	18	1	1	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m
Aromatic TPH >C8-C10	mg/l	0.005	0.01	18	<1	75	4	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m
Aromatic TPH >C10-C12	mg/l	0.005	0.01	18	<5	77	6	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5910, 6.15m
Aromatic TPH >C12-C16	mg/l	0.005	0.01	18	<5	139	7	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m
Aromatic TPH >C16-C21	mg/l	0.005	0.01	18	<5	67	6	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m
Aromatic TPH >C21-C35	mg/l	0.01	0.01	18	<10	42	5	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m
Total Aromatics	mg/l	0.01	No WSV	18	<10	379	0	
TPH (Ali & Aro >C5-C35)	mg/l	0.01	No WSV	18	<10	406	0	
Benzene	mg/l	0.001	0.01	18	1	3	3	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m
Toluene	mg/l	0.001	0.074	18	1	1	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m
Ethyl Benzene	mg/l	0.001	No WSV	18	1	1	0	
m & p Xylene	mg/l	0.001	No WSV	18	<1	<1	0	
o Xylene	mg/l	0.001	No WSV	18	<1	<1	0	
MTBE	mg/l	0.001	No WSV	18	<1	<1	0	
VOCs								
Dichlorodifluoromethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Chloromethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Vinyl Chloride	mg/l	0.000001	N/A	18	<1	<1	0	
Bromomethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Chloroethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Trichlorofluoromethane	mg/l	0.000001	No WSV	18	<1	<1	0	
1,1-dichloroethylene	mg/l	0.000001	N/A	18	<1	<1	0	
Methylene Chloride	mg/l	0.000001	No WSV	18	<1	<1	0	
Cis-1,2-dichloroethene	mg/l	0.000001	No WSV	18	<1	11.3	0	
Trans-1,2-dichloroethylene	mg/l	0.000001	N/A	18	<1	<1	0	
1,1-dichloroethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Cis-1,2-dichloroethylene	mg/l	0.000001	N/A	18	<1	<1	0	
2,2-dichloropropane	mg/l	0.000001	No WSV	18	<1	<1	0	
Bromochloromethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Chloroform	mg/l	0.000001	0.0025	18	<1	<1	0	
1,1,1-trichloroethane	mg/l	0.000001	0.1	18	<1	<1	0	
1,1-dichloropropene	mg/l	0.000001	No WSV	18	<1	<1	0	
Carbon tetrachloride	mg/l	0.000001	0.012	18	<1	<1	0	
Benzene	mg/l	0.000001	0.01	18	<1	<1	0	
1,2-dichloroethane	mg/l	0.000001	0.01	18	<1	<1	0	
Trichloroethylene	mg/l	0.000001	0.01	18	<1	<1	0	
1,2-dichloropropane	mg/l	0.000001	N/A	18	<1	<1	0	
Dibromomethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Bromodichloromethane	mg/l	0.000001	N/A	18	<1	<1	0	
cis-1,3-dichloropropene	mg/l	0.000001	No WSV	18	<1	<1	0	
Toluene	mg/l	0.000001	0.074	18	<1	<1	0	
trans-1,3-dichloropropene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,1,2-trichloroethane	mg/l	0.000001	0.4	18	<1	<1	0	
Tetrachloroethylene	mg/l	0.000001	0.01	18	<1	<1	0	
1,3-dichloropropane	mg/l	0.000001	No WSV	18	<1	<1	0	
Dibromochloromethane	mg/l	0.000001	N/A	18	<1	<1	0	
1,2-dibromoethane	mg/l	0.000001	N/A	18	<1	<1	0	
Chlorobenzene	mg/l	0.000001	N/A	18	<1	<1	0	
1,1,1,2-tetrachloroethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Ethylbenzene	mg/l	0.000001	0.02	18	<1	<1	0	
m+p-Xylene	mg/l	0.000001	No WSV	18	<1	<1	0	
o-Xylene	mg/l	0.000001	See Xylenes (total)	18	<1	<1	0	
Styrene	mg/l	0.000001	0.05	18	<1	<1	0	
Bromoform	mg/l	0.000001	N/A	18	<1	<1	0	
Isopropylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,1,2,2-tetrachloroethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Bromobenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,2,3-trichloropropane	mg/l	0.000001	No WSV	18	<1	<1	0	
n-propylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
2-chlorotoluene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,3,5-trimethylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
4-chlorotoluene	mg/l	0.000001	No WSV	18	<1	<1	0	
Tert-butylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,2,4-trimethylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
sec-butylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
p-isopropyltoluene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,3-dichlorobenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,4-dichlorobenzene	mg/l	0.000001	0.02	18	<1	<1	0	
n-butylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,2-dichlorobenzene	mg/l	0.000001	0.02	18	<1	<1	0	
1,2-dibromo-3-chloropropane	mg/l	0.000001	N/A	18	<1	<1	0	
1,2,4-trichlorobenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
Hexachlorobutadiene	mg/l	0.000001	0.0006	18	<1	<1	0	
Naphthalene	mg/l	0.000001	0.002	18	<1	<1	0	
1,2,3-trichlorobenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
MTBE	mg/l	0.000001	No WSV	18	<1	<1	0	
SVOCs								
Aniline	mg/l	0.00005	No WSV	18	<0.05	3.3	0	
Phenol	mg/l	0.00005	0.0077	18	<0.05	16	3	BH4455, 6m; BH4455, 6m; ATK BH5910, 6.2m
2-Chlorophenol	mg/l	0.00005	0.05	18	<0.05	<0.05	0	
Bis(2-chloroethyl)ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
1,3-Dichlorobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
1,2-Dichlorobenzene	mg/l	0.00005	0.02	18	<0.05	<0.05	0	
1,4-Dichlorobenzene	mg/l	0.00005	0.02	18	<0.05	<0.05	0	
Bis(2-chloroisopropyl)ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
2-Methylphenol	mg/l	0.00005	No WSV	18	<0.05	7.7	0	
Hexachloroethane	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Nitrobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
4-Methylphenol	mg/l	0.00005	No WSV	18	<0.05	2.5	0	
Isophorone	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
2-Nitrophenol	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
2,4-Dimethylphenol	mg/l	0.00005	No WSV	18	<0.05	3.6	0	
Bis(2-chloroethoxy)methane	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
1,2,4-Trichlorobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Naphthalene	mg/l	0.00001	0.002	18	<0.01	3.1	6	ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; ATK BH5906, 10.3m; BH4455, 6m; ATK BH5910, 6.2m
2,4-Dichlorophenol	mg/l	0.00005	0.0042	18	<0.05	<0.05	0	
4-Chloroaniline	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Hexachlorobutadiene	mg/l	0.00005	0.0006	18	<0.05	<0.05	0	
4-Chloro-3-methylphenol	mg/l	0.00005	0.04	18	<0.05	<0.05	0	
2,4,6-Trichlorophenol	mg/l	0.00005	N/A	18	<0.05	<0.05	0	
2,4,5-Trichlorophenol	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
2-Methylnaphthalene	mg/l	0.00005	No WSV	18	<0.05	0.41	0	
2-Chloronaphthalene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Dimethylphthalate	mg/l	0.00005	0.8	18	<0.05	<0.05	0	
2,6-Dinitrotoluene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Acenaphthylene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Acenaphthene	mg/l	0.00001	Screen BaP only	18	<0.01	3.1	0	
2,4-Dinitrotoluene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Dibenzofuran	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
4-Chlorophenyl phenyl ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Diethyl phthalate	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
4-Nitroaniline	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Fluorene	mg/l	0.00001	N/A	18	<0.01	2.1	0	
Azobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Bromophenyl phenyl ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Hexachlorobenzene	mg/l	0.00005	0.00005	18	<0.05	<0.05	0	
Phenanthrene	mg/l	0.00001	Screen BaP only	18	<0.01	3.1	0	
Anthracene	mg/l	0.00001	0.0001	18	<0.01	0.6	2	ATK BH5906, 10.3m; ATK BH5906, 10.3m
Carbazole	mg/l	0.00005	No WSV	18	<0.05	3.2	0	
Dibutyl phthalate	mg/l	0.00005	0.008	18	<0.05	<0.05	0	
Anthraquinone	mg/l	0.00005	No WSV	18	<0.05	0.81	0	

Sample ID	ATKBH5906	BH4459	ATKBH5910	BH4462	ATKBH5907	BH4455	ATK BH5907	ATK BH5910	ATK BH5906	BH4455	BH4459	BH4462	ATK BH5906	BH4455	BH4459	BH4462	ATK BH5907	ATK BH5910
Depth	8.4m	6.9m	4.8m	7.9m	7.5m	5.5m	10m	6.15m	10.3m	6m	8.75m	9.25m	10.3m	6m	8.75m	9.25m	10m	6.2m
Date	18/01/2021	18/01/2021	18/01/2021	18/01/2021	18/01/2021	20/01/2021	28/06/2022	28/06/2022	25/04/2022	26/04/2022	25/04/2022	25/04/2022	12/05/2022	11/05/2022	11/05/2022	12/05/2022	09/08/2022	09/08/2022
Strata	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill		
Bromoform	<1	<1	<1	<1	<1	<1												
Styrene	<1	<1	3	<1	<1	<1												
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1												
o-Xylene	<1	<1	<1	<1	<1	<1												
1,2,3-Trichloropropane	<1	<1	<1	<1	<1	<1												
Isopropylbenzene	<1	<1	1	<1	<1	<1												
Bromobenzene	<1	<1	<1	<1	<1	<1												
2-Chlorotoluene	<1	<1	<1	<1	<1	<1												
n-propylbenzene	<1	<1	<1	<1	<1	<1												
4-Chlorotoluene	<1	<1	<1	<1	<1	<1												
1,2,4-Trimethylbenzene	<1	<1	<1	<1	<1	<1												
4-Isopropyltoluene	<1	<1	<1	<1	<1	<1												
1,3,5-Trimethylbenzene	<1	<1	<1	<1	<1	<1												
1,2-Dichlorobenzene	<1	<1	<1	<1	<1	<1												
1,4-Dichlorobenzene	<1	<1	<1	<1	<1	<1												
sec-Butylbenzene	<1	<1	<1	<1	<1	<1												
tert-Butylbenzene	<2	<2	<2	<2	<2	<2												
1,3-Dichlorobenzene	<1	<1	<1	<1	<1	<1												
n-butylbenzene	<1	<1	<1	<1	<1	<1												
1,2-Dibromo-3-chloropropane	<2	<2	<2	<2	<2	<2												
1,2,4-Trichlorobenzene	<3	<3	<3	<3	<3	<3												
1,2,3-Trichlorobenzene	<3	<3	<3	<3	<3	<3												
Hexachlorobutadiene	<1	<1	<1	<1	<1	<1												
TPH CWG																		
Aliphatic TPH >C5-C6	<3	<3	<3	<3	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aliphatic TPH >C6-C8	3	<1	2	2	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aliphatic TPH >C8-C10	8	<5	17	<5	<5	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aliphatic TPH >C10-C12	<5	<5	8	<5	5	<5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic TPH >C12-C16	<5	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic TPH >C16-C21	<5	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatic TPH >C21-C35	<5	<5	<5	<5	8	12	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Aliphatics	11	<5	27	<5	13	14	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic TPH >C5-C7	1	<1	3	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aromatic TPH >C7-C8	1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aromatic TPH >C8-C10	28	<5	75	6	20	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aromatic TPH >C10-C12	24	<5	72	22	77	43	<10	16	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic TPH >C12-C16	38	<5	139	43	73	54	64	57	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic TPH >C16-C21	39	<5	66	41	67	66	58	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatic TPH >C21-C35	21	<10	23	25	42	36	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Aromatics	152	<10	379	137	280	204	120	73	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
TPH (Ali & Aro >C5-C35)	163	<10	406	139	293	218												
Benzene	1	<1	3	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
m & p Xylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o Xylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MTBE	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
VOCs																		
Dichlorodifluoromethane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene Chloride							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,2-dichloroethene									<1	<1	11.3	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,2-dichloroethylene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,2-dichloropropane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-dichloropropene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-dichloropropene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-dichloropropane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromochloromethane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-tetrachloroethane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
m+p-Xylene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isopropylbenzene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromobenzene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-propylbenzene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-chlorotoluene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-trimethylbenzene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-chlorotoluene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tert-butylbenzene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-trimethylbenzene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
sec-butylbenzene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
p-isopropyltoluene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-dichlorobenzene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-butylbenzene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-trichlorobenzene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Naphthalene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichlorobenzene							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MTBE							<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SVOCs																		
Aniline							<0.05	2.4	<0.05	<0.05	<0.05	1.9	<0.05	<0.05	<0.05	<0.05	3.3	2.2
Phenol							<0.05	<0.05	<0.05	16	<0.05	<0.05	<0.05	13	<0.05	<0.05	<0.05	3.3
2-Chlorophenol							<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							<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene							<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene							<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene							<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							<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							<0.05	7.7	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.7	<0.05
Hexachloroethane							<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							<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							<0.05	<0.05	<0.05	2.5	<0.05	<0.05	<0.05	1.6	<0.05	<0.05	<0.05	<0.05
Isophorone							<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							<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							3.5	3.6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	3.6	1.6
Bis(2-chloroethoxy)methane							<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2,4-Trichlorobenzene							<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Naphthalene							<0.01	2	1.2	1.5	<0.01	<0.01	0.82	1.1	<0.01	<0.01	<0.01	3.1
2,4-Dichlorophenol							<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-Chloroaniline							<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Hexachlorobutadiene							<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							<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							<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							<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							<0.05	0.41	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-Chloronaphthalene							<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							<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							<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene							<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							<0.01	1.3	3.1	0.53	<0.01	<0.01	2.3	0.34	<0.01	<0.01	<0.01	2
2,4-Dinitrotoluene							<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							<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-Chlorophenyl phenyl ether							<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							<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-Nitroaniline							<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene							<0.01	0.58	2.1	0.43	<0.01	<0.01	1.5	0.26	<0.01	<0.01	<0.01	1
Azobenzene							<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							<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							<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							<0.01	0.38	3.1	0.44	<0.01	<0.01	2	0.26	<0.01	<0.01	<0.01	0.61
Anthracene							<0.01	<0.01	0.6	<0.01	<0.01	<0.01	0.29	<0.01	<0.01	<0.01	<0.01	<0.01
Carbazole							<0.05	1.1	3.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.1
Dibutyl phthalate							<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Anthraquinone							<0.05	<0.05	0.81	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Sample ID	Depth	Date	Strata
ATKBH5907	7.5m	18/01/2021	Landfill
BH4455	5.5m	20/01/2021	Landfill
BH4460	20.5m	20/01/2021	Coal Measures
BH4463	5m	20/01/2021	Sand & Gravel
BH102	5m	20/01/2021	Clay & Sand
BH103	5m	20/01/2021	Silt & Sand
POND SAMPLE		20/01/2021	
CANAL SAMPLE		20/01/2021	
BH101		16/10/2019	Clay & Gravel
BH103		16/10/2019	Silt & Sand
BH4		16/10/2019	Clay, sand & Gravel
SW1		16/10/2019	
SW2		16/10/2019	
SW3		16/10/2019	
SW4		16/10/2019	
BH101		18/12/2018	Clay & Gravel
BH103		18/12/2018	Silt & Sand
SW1		18/12/2018	
SW2		18/12/2018	
SW3		18/12/2018	
SW4		18/12/2018	
D1		18/12/2018	
BH101		25/01/2019	Silt & Sand

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ATKINS

Assessment Criteria :	Manual SSAC						
CaCO (mg/l):	102.00	pH	6.96				
Calcium (mg/l):	27.00	DOC (mg/l)	4.90	Catchment area:	Freshwater not listed		

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
Fluoranthene	mg/l	0.00001	0.0000063	18	<0.01	0.67	2	ATK BH5906, 10.3m; ATK BH5906, 10.3m
Pyrene	mg/l	0.00001	N/A	18	<0.01	0.43	0	
Butyl benzyl phthalate	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Chrysene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Benzo(a)pyrene	mg/l	0.00001	0.00000017	18	<0.01	<0.01	0	
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	No WSV	18	<0.01	<0.01	0	
Dibenz(a,h)anthracene	mg/l	0.00001	N/A	18	<0.01	<0.01	0	
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
3&4-Methylphenol	mg/l	0.0001	No WSV	18	<0.1	2.5	0	
Methane	mg/L	0.1	No WSV	18	<0.1	12	0	

Location																		
Sample ID	ATKBH5906	BH4459	ATKBH5910	BH4462	ATKBH5907	BH4455	ATK BH5907	ATK BH5910	ATK BH5906	BH4455	BH4459	BH4462	ATK BH5906	BH4455	BH4459	BH4462	ATK BH5907	ATK BH5910
Depth	8.4m	6.9m	4.8m	7.9m	7.5m	5.5m	10m	6.15m	10.3m	6m	8.75m	9.25m	10.3m	6m	8.75m	9.25m	10m	6.2m
Date	18/01/2021	18/01/2021	18/01/2021	18/01/2021	18/01/2021	20/01/2021	28/06/2022	28/06/2022	25/04/2022	26/04/2022	25/04/2022	25/04/2022	12/05/2022	11/05/2022	11/05/2022	12/05/2022	09/08/2022	09/08/2022
Strata	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill		
Zone																		
Fluoranthene							<0.01	<0.01	0.67	<0.01	<0.01	<0.01	0.41	<0.01	<0.01	<0.01	<0.01	<0.01
Pyrene							<0.01	<0.01	0.43	<0.01	<0.01	<0.01	0.25	<0.01	<0.01	<0.01	<0.01	<0.01
Butyl benzyl phthalate							<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)anthracene							<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							<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							<0.01	<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							<0.01	<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	<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							<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene							<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(ghi)perylene							<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3&4-Methylphenol							<0.1	<0.1	<0.1	2.5	<0.1	<0.1	<0.1	1.6	<0.1	<0.1	<0.1	<0.1
Methane							2.8	0.8	1.4	0.8	<0.1	1.2	0.7	0.7	<0.1	1.3	12	4.1

Location																							
Sample ID	ATKBH5907	BH4455	BH4460	BH4463	BH102	BH103	POND SAMPLE	CANAL SAMPLE	BH101	BH103	BH4	SW1	SW2	SW3	SW4	BH101	BH103	SW1	SW2	SW3	SW4	D1	BH101
Depth	7.5m	5.5m	20.5m	5m	5m	5m																	
Date	18/01/2021	20/01/2021	20/01/2021	20/01/2021	20/01/2021	20/01/2021	20/01/2021	20/01/2021	16/10/2019	16/10/2019	16/10/2019	16/10/2019	16/10/2019	16/10/2019	16/10/2019	18/12/2018	18/12/2018	18/12/2018	18/12/2018	18/12/2018	18/12/2018	18/12/2018	25/01/2019
Strata	Landfill	Landfill	Coal Measures	Sand & Gravel	Clay & Sand	Silt & Sand			Clay & Gravel	Silt & Sand	Clay, sand & Gravel					Clay & Gravel	Silt & Sand						Silt & Sand
Zone																							

ATKINS

Assessment Criteria :	Manual SSAC				
CaCO (mg/l):	102.00	pH	6.96		
Calcium (mg/l):	27.00	DOC (mg/l)	4.90	Catchment area:	Freshwater not listed

BH103	SW1	SW2	SW3	SW4	D1	BH101	BH103	BH4	SW1	SW2	SW3	SW4	D1	S1	S2	S3	S4	BH4	BH101	BH103	BH103	BH4	S1	S2	S3	S4	BH101	BH103	BH4	SW1	SW2	SW3	SW4	BH101	BH4	SW1	SW2	SW3	SW4	BH101	BH4
25/01/2019	25/01/2019	25/01/2019	25/01/2019	25/01/2019	25/01/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	21/03/2019	21/03/2019	21/03/2019	21/03/2019	21/03/2019	21/03/2019	21/03/2019	17/04/2019	17/04/2019	17/04/2019	17/04/2019	17/04/2019	17/04/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	27/06/2019	27/06/2019	27/06/2019	27/06/2019	27/06/2019	27/06/2019	17/07/2019	17/07/2019
Clay, sand & Gravel						Clay & Gravel	Silt & Sand	Clay, sand & Gravel										Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Silt & Sand	Clay, sand & Gravel					Clay & Gravel	Silt & Sand	Clay, sand & Gravel					Clay & Gravel	Clay, sand & Gravel					Clay & Gravel	Clay, sand & Gravel

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
pH	pH	0.01	6-9	18	7.2	10	0	
pH BRE	pH	0.01	No WSV	18	7.5	8.21	0	
Hardness Total			No WSV	17	0	0	0	
Ammoniacal nitrogen as N	mg/l	0.02	0.2	18	1.3	190	13	BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m
Ammonia (Free Unionised) as N (w) at 25degC	mg/l	0.000036	No WSV	18	82	82	0	
Ammonia / Ammoniacal Nitrogen as NH3	mg/l	0.024	No WSV	18	1.049	82	0	
Sulphate	mg/l	1	400	18	<0.005	663	7	BH4462, 7.9m; ATKBH5907, 7.5m; ATK BH5907, 10m; ATK BH5906, 10.3m; BH4462, 9.25m; BH4462, 9.25m; ATK BH5907, 10m
Sulphate BRE	mg/l	1	No WSV	18	0.012	520	0	
Cyanide (free)	mg/l	0.005	0.001	17	0.005	<1	0	
Cyanide (total)	mg/l	0.005	N/A	18	<0.005	19	0	
Antimony	mg/l	0.001	N/A	18	<0.4	6	0	
Arsenic	mg/l	0.001	0.05	18	0.86	231	18	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m
Boron	mg/l	0.01	2	18	<0.2	1000	17	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m
Cadmium	mg/l	0.0002	0.00015	17	0.02	<0.2	5	ATK BH5907, 10m; ATK BH5910, 6.15m; BH4459, 8.75m; BH4459, 8.75m; ATK BH5907, 10m
Copper	mg/l	0.001	0.01137	18	0.9	71	18	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m
Chromium	mg/l	0.001	See Cr VI as first pass	18	<0.2	39	0	
Chromium	mg/l	0.01	See Cr VI as first pass	18	<0.01	<5	0	
Lead	mg/l	0.001	0.00371	18	<0.2	1	4	ATK BH5907, 10m; ATK BH5906, 10.3m; BH4462, 9.25m; ATK BH5907, 10m
Magnesium	mg/l	1	N/A	18	0.97	59	0	
Mercury	mg/l	0.0001	0.00007	18	0.05	0.33	3	ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5907, 10m
Nickel	mg/l	0.001	0.00647	18	2	7.5	18	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m
Potassium	mg/l	1.2	N/A	18	13	74	0	
Selenium	mg/l	0.001	N/A	18	0.6	4.8	0	
Zinc	mg/l	0.001	0.0232	18	2.2	10	18	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m
PAH 16MS								
Acenaphthene	mg/l	0.00001	Screen BaP only	18	<0.01	3.14	0	
Acenaphthylene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.1	0	
Anthracene	mg/l	0.00001	0.0001	18	<0.01	0.6	7	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5906, 10.3m; ATK BH5906, 10.3m
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	18	0.01	<0.1	0	
Benzo(a)pyrene	mg/l	0.00001	0.00000017	18	<<0.01	<0.1	0	
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	18	<<0.01	<0.1	0	
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	18	<<0.01	<0.1	0	
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	18	<<0.01	<0.1	0	
Chrysene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.1	0	
Dibenzo(ah)anthracene	mg/l	0.00001	No WSV	18	<<0.01	<0.1	0	
Fluoranthene	mg/l	0.00001	0.0000063	18	<0.01	0.67	8	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5906, 10.3m; ATK BH5906, 10.3m
Fluorene	mg/l	0.00001	N/A	18	<0.01	4.53	0	
Indeno(123-cd)pyrene	mg/l	0.00001	Screen BaP only	18	<<0.01	<0.1	0	
Naphthalene	mg/l	0.00001	0.002	18	<0.01	7.96	12	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; ATK BH5906, 10.3m; BH4455, 6m; ATK BH5910, 6.2m
Phenanthrene	mg/l	0.00001	Screen BaP only	18	<0.01	3.09	0	
Pyrene	mg/l	0.00001	N/A	18	<0.01	0.43	0	
Total PAH 16MS	mg/l	0.00001	No WSV	18	0.13	15	0	
SVOC (excluding PAH-16)								
2,4,5-Trichlorophenol	mg/l	0.001	No WSV	18	<1	<1	0	
2,4,6-Trichlorophenol	mg/l	0.001	N/A	18	<1	<1	0	
2,4-Dichlorophenol	mg/l	0.001	0.0042	18	<1	3	1	ATKBH5907, 7.5m
2,4-Dimethylphenol	mg/l	0.001	No WSV	18	1	8	0	
2,4-Dinitrotoluene	mg/l	0.001	No WSV	18	<1	<1	0	
2,6-Dinitrotoluene	mg/l	0.001	No WSV	18	<1	<1	0	
2-Chloronaphthalene	mg/l	0.001	No WSV	18	<1	<1	0	
2-Chlorophenol	mg/l	0.001	0.05	18	<1	<1	0	
2-Methylnaphthalene	mg/l	0.001	No WSV	18	1	1	0	
2-Methylphenol	mg/l	0.001	No WSV	18	1	7	0	
2-Nitrophenol	mg/l	0.001	No WSV	18	<1	<1	0	
4-Bromophenyl phenyl ether	mg/l	0.001	No WSV	18	<1	<1	0	
4-Chloro-3-methylphenol	mg/l	0.001	0.04	18	<1	<1	0	
Bis(2-chloroisopropyl)ether	mg/l	0.001	No WSV	18	<1	<1	0	
3+4-Methylphenol	mg/l	0.001	No WSV	18	1	14	0	
4-Nitrophenol	mg/l	0.001	No WSV	18	<1	<1	0	
Bis(2-chloroethyl)ether	mg/l	0.001	No WSV	18	<1	<1	0	
Bis(2-chloroethoxy)methane	mg/l	0.001	No WSV	18	<1	<1	0	
Bis(2-ethylhexyl)phthalate	mg/l	0.01	No WSV	18	<10	<10	0	
Butylbenzyl phthalate	mg/l	0.001	No WSV	18	<1	<1	0	
Carbazole	mg/l	0.001	No WSV	18	1	2	0	
Dibenzofuran	mg/l	0.001	No WSV	18	<1	<1	0	
n-Dibutylphthalate	mg/l	0.001	No WSV	18	<1	<1	0	
n-Dioctylphthalate	mg/l	0.01	No WSV	18	<10	<10	0	
n-Nitroso-n-dipropylamine	mg/l	0.001	No WSV	18	<1	<1	0	
Diethyl phthalate	mg/l	0.001	No WSV	18	<1	<1	0	
Dimethyl phthalate	mg/l	0.001	No WSV	18	<1	<1	0	
Hexachlorobenzene	mg/l	0.001	0.00005	18	<1	<1	0	
Pentachlorophenol (SVOC)	mg/l	0.001	No WSV	18	1	3	0	
Phenol	mg/l	0.001	0.0077	18	<1	109	4	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m; BH4455, 5.5m
Hexachloroethane	mg/l	0.001	No WSV	18	<1	<1	0	
Nitrobenzene	mg/l	0.001	No WSV	18	<1	<1	0	
Isophorone	mg/l	0.001	No WSV	18	<1	<1	0	
Hexachlorocyclopentadiene	mg/l	0.001	No WSV	18	<1	<1	0	
Perylene	mg/l	0.001	No WSV	18	<1	<1	0	
VOC	mg/l	0	No WSV	18	0	0	0	
Dichlorodifluoromethane	mg/l	0.001	No WSV	18	1	2	0	
Chloromethane	mg/l	0.01	No WSV	18	<10	<10	0	
Vinyl Chloride	mg/l	0.001	N/A	18	<1	4	0	
Bromomethane	mg/l	0.001	No WSV	18	<1	<1	0	
Chloroethane	mg/l	0.001	No WSV	18	<1	<1	0	
Trichlorofluoromethane	mg/l	0.001	No WSV	18	<1	<1	0	
trans 1,2-Dichloroethene	mg/l	0.001	No WSV	18	<1	<1	0	
Dichloromethane	mg/l	0.005	0.02	18	<5	<5	0	
Carbon Disulphide	mg/l	0.001	No WSV	18	<1	<1	0	
1,1-Dichloroethene	mg/l	0.001	No WSV	18	<1	<1	0	
1,1-Dichloroethane	mg/l	0.001	No WSV	18	<1	<1	0	
cis 1,2-Dichloroethene	mg/l	0.001	No WSV	18	<1	23	0	
Bromochloromethane	mg/l	0.005	No WSV	18	<5	<5	0	
Chloroform	mg/l	0.001	0.0025	18	<1	<1	0	
2,2-Dichloropropane	mg/l	0.001	No WSV	18	<1	<1	0	
1,2-Dichloroethane	mg/l	0.002	0.01	18	2	2	1	BH4459, 6.9m
1,1,1-Trichloroethane	mg/l	0.001	0.1	18	<1	<1	0	
1,1-Dichloropropene	mg/l	0.001	No WSV	18	<1	<1	0	
Benzene	mg/l	0.001	0.01	18	1	3	3	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m
Carbon Tetrachloride	mg/l	0.001	0.012	18	<1	<1	0	
Dibromomethane	mg/l	0.001	No WSV	18	<1	<1	0	
1,2-Dichloropropane	mg/l	0.001	N/A	18	<1	<1	0	
Bromodichloromethane	mg/l	0.01	N/A	18	<10	<10	0	
Trichloroethene	mg/l	0.001	0.01	18	<1	<1	0	
cis 1,3-Dichloropropene	mg/l	0.001	No WSV	18	<1	<1	0	
trans 1,3-Dichloropropene	mg/l	0.001	No WSV	18	<1	<1	0	
1,1,2-Trichloroethane	mg/l	0.001	0.4	18	<1	<1	0	
Toluene	mg/l	0.001	0.074	18	1	1	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m
1,3-Dichloropropane	mg/l	0.001	No WSV	18	<1	<1	0	
Dibromochloromethane	mg/l	0.003	N/A	18	<3	<3	0	
1,2-Dibromoethane	mg/l	0.001	N/A	18	<1	<1	0	
Tetrachloroethene	mg/l	0.001	0.01	18	<1	<1	0	
1,1,1,2-Tetrachloroethane	mg/l	0.001	No WSV	18	<1	<1	0	
Chlorobenzene	mg/l	0.001	N/A	18	<1	4	0	
Ethylbenzene	mg/l	0.001	0.02	18	1	1	1	ATKBH5910, 4.8m
m & p Xylene	mg/l	0.001	No WSV	18	<1	<1	0	

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ATKINS

Assessment Criteria :	*Manual SSAC*							
CaCO (mg/l):	102.00			pH	6.96			
Calcium (mg/l):	27.00			DOC (mg/l)	4.90		Catchment area:	Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	BH103	SW1	SW2	SW3	SW4	D1	BH101	BH103	BH4	SW1	SW2	SW3	SW4	D1	S1	S2	S3	S4	BH4	BH101	BH103	BH4	S1	S2	S3	S4	BH101	BH103	BH4	SW1	SW2	SW3	SW4	BH101	BH4	SW1	SW2	SW3	SW4	BH101	BH4
									25/01/2019	25/01/2019	25/01/2019	25/01/2019	25/01/2019	25/01/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	21/03/2019	21/03/2019	21/03/2019	21/03/2019	21/03/2019	21/03/2019	21/03/2019	17/04/2019	17/04/2019	17/04/2019	17/04/2019	17/04/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	27/06/2019	27/06/2019	27/06/2019	27/06/2019	27/06/2019	27/06/2019	17/07/2019	17/07/2019
									Clay, sand & Gravel						Clay & Gravel	Silt & Sand	Clay, sand & Gravel										Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Silt & Sand	Clay, sand & Gravel						Clay & Gravel	Silt & Sand	Clay, sand & Gravel						Clay & Gravel	Clay, sand & Gravel						Clay & Gravel	Clay, sand & Gravel
Bromoform	mg/l	0.001	N/A	18	<1	<1	0																																									
Styrene	mg/l	0.001	0.05	18	<1	3	1	ATKBH5910, 4.8m																																								
1,1,2,2-Tetrachloroethane	mg/l	0.001	No WSV	18	<1	<1	0																																								
p-Xylene	mg/l	0.001	See Xylenes (total)	18	<1	<1	0																																								
1,2,3-Trichloropropane	mg/l	0.001	No WSV	18	<1	<1	0																																								
Isopropylbenzene	mg/l	0.001	No WSV	18	1	1	0																																								
Bromobenzene	mg/l	0.001	No WSV	18	<1	<1	0																																								
2-Chlorotoluene	mg/l	0.001	No WSV	18	<1	<1	0																																								
n-propylbenzene	mg/l	0.001	No WSV	18	<1	<1	0																																								
4-Chlorotoluene	mg/l	0.001	No WSV	18	<1	<1	0																																								
1,2,4-Trimethylbenzene	mg/l	0.001	No WSV	18	<1	<1	0																																								
4-Isopropyltoluene	mg/l	0.001	No WSV	18	<1	<1	0																																								
1,3,5-Trimethylbenzene	mg/l	0.001	No WSV	18	<1	<1	0																																								
1,2-Dichlorobenzene	mg/l	0.001	0.02	18	<1	<1	0																																								
1,4-Dichlorobenzene	mg/l	0.001	0.02	18	<1	<1	0																																								
sec-Butylbenzene	mg/l	0.001	No WSV	18	<1	<1	0																																								
tert-Butylbenzene	mg/l	0.002	No WSV	18	<2	<2	0																																								
1,3-Dichlorobenzene	mg/l	0.001	No WSV	18	<1	<1	0																																								
n-butylbenzene	mg/l	0.001	No WSV	18	<1	<1	0																																								
1,2-Dibromo-3-chloropropane	mg/l	0.002	N/A	18	<2	<2	0																																								
1,2,4-Trichlorobenzene	mg/l	0.003	No WSV	18	<3	<3	0																																								
1,2,3-Trichlorobenzene	mg/l	0.003	No WSV	18	<3	<3	0																																								
Hexachlorobutadiene	mg/l	0.001	0.0005	18	<1	<1	0																																								
TPH CWG																																															
Aliphatic TPH >C5-C6	mg/l	0.001	0.01	18	<<1	<3	0																																								
Aliphatic TPH >C6-C8	mg/l	0.001	0.01	18	<1	3	4	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; BH4455, 5.5m																																								
Aliphatic TPH >C8-C10	mg/l	0.005	0.01	18	<1	17	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m																																								
Aliphatic TPH >C10-C12	mg/l	0.005	0.01	18	5	<10	2	ATKBH5910, 4.8m; ATKBH5907, 7.5m																																								
Aliphatic TPH >C12-C16	mg/l	0.005	0.01	18	<5	<10	0																																								
Aliphatic TPH >C16-C21	mg/l	0.005	0.01	18	<5	<10	0																																								
Aliphatic TPH >C21-C35	mg/l	0.005	0.01	18	<5	12	2	ATKBH5907, 7.5m; BH4455, 5.5m																																								
Total Aliphatics	mg/l	0.005	No WSV	18	<5	27	0																																								
Aromatic TPH >C5-C7	mg/l	0.001	0.01	18	1	3	3	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m																																								
Aromatic TPH >C7-C8	mg/l	0.001	0.01	18	1	1	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m																																								
Aromatic TPH >C8-C10	mg/l	0.005	0.01	18	<1	75	4	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m																																								
Aromatic TPH >C10-C12	mg/l	0.005	0.01	18	<5	77	6	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5910, 6.15m																																								
Aromatic TPH >C12-C16	mg/l	0.005	0.01	18	<5	139	7	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m																																								
Aromatic TPH >C16-C21	mg/l	0.005	0.01	18	<5	67	6	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m																																								
Aromatic TPH >C21-C35	mg/l	0.01	0.01	18	<10	42	5	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m																																								
Total Aromatics	mg/l	0.01	No WSV	18	<10	379	0																																								
TPH (Ali & Aro >C5-C35)	mg/l	0.01	No WSV	18	<10	406	0																																								
Benzene	mg/l	0.001	0.01	18	1	3	3	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m																																								
Toluene	mg/l	0.001	0.074	18	1	1	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m																																								
Ethyl Benzene	mg/l	0.001	No WSV	18	1	1	0																																								
m & p Xylene	mg/l	0.001	No WSV	18	<1	<1	0																																								
o Xylene	mg/l	0.001	No WSV	18	<1	<1	0																																								
MTBE	mg/l	0.001	No WSV	18	<1	<1	0																																								
VOCs																																														
Dichlorodifluoromethane	mg/l	0.000001	No WSV	18	<1	<1	0																																								
Chloromethane	mg/l	0.000001	No WSV	18	<1	<1	0																																								
Vinyl Chloride	mg/l	0.000001	N/A	18	<1	<1	0																																								
Bromomethane	mg/l	0.000001	No WSV	18	<1	<1	0																																								
Chloroethane	mg/l	0.000001	No WSV	18	<1	<1	0																																								
Trichlorofluoromethane	mg/l	0.000001	No WSV	18	<1	<1	0																																								
1,1-dichloroethylene	mg/l	0.000001	N/A	18	<1	<1	0																																								
Methylene Chloride	mg/l	0.000001	No WSV	18	<1	<1	0																																								
Cis-1,2-dichloroethene	mg/l	0.000001	No WSV	18	<1	11.3	0																																								
Trans-1,2-dichloroethylene	mg/l	0.000001	N/A	18	<1	<1	0																																								
1,1-dichloroethane	mg/l	0.000001	No WSV	18	<1	<1	0																																								
Cis-1,2-dichloroethylene	mg/l	0.000001	N/A	18	<1	<1	0																																								
2,2-dichloropropane	mg/l	0.000001	No WSV	18	<1	<1	0																																								
Bromochloromethane	mg/l	0.000001	No WSV	18	<1	<1	0																																								
Chloroform	mg/l	0.000001	0.0025	18	<1	<1	0																																								
1,1,1-trichloroethane	mg/l	0.000001	0.1	18	<1	<1	0																																								
1,1-dichloropropene	mg/l	0.000001	No WSV	18	<1	<1	0																																								
Carbon tetrachloride	mg/l	0.000001	0.012	18	<1	<1	0																																								
Benzene	mg/l	0.000001	0.01	18	<1	<1	0																																								
1,2-dichloroethane	mg/l	0.000001	0.01	18	<1	<1	0																																								
Trichloroethylene	mg/l	0.000001	0.01	18	<1	<1	0																																								
1,2-dichloropropane	mg/l	0.000001	N/A	18	<1	<1	0																																								
Dibromomethane	mg/l	0.000001	No WSV	18	<1	<1	0																																								
Bromodichloromethane	mg/l	0.000001	N/A	18	<1	<1	0																																								
cis-1,3-dichloropropene	mg/l	0.000001	No WSV	18	<1	<1	0																																								
Toluene	mg/l	0.000001	0.074	18	<1	<1	0																																								
trans-1,3-dichloropropene	mg/l	0.000001	No WSV	18	<1	<1	0																																								
1,1,2-trichloroethane	mg/l	0.000001	0.4	18	<1	<1	0																																								
Tetrachloroethylene	mg/l	0.000001	0.01	18	<1	<1	0																																								
1,3-dichloropropane	mg/l	0.000001	No WSV	18	<1	<1	0																																								
Dibromochloromethane	mg/l	0.000001	N/A	18	<1	<1	0																																								
1,2-dibromoethane	mg/l	0.000001	N/A	18	<1	<1	0																																								
Chlorobenzene	mg/l	0.000001	N/A	18	<1	<1	0																																								
1,1,1,2-tetrachloroethane	mg/l	0.000001	No WSV	18	<1	<1	0																																								
Ethylbenzene	mg/l	0.000001	0.02	18	<1	<1	0																																								
m+p-Xylene	mg/l	0.000001	No WSV	18	<1	<1	0																																								
o-Xylene	mg/l	0.000001	See Xylenes (total)	18	<1	<1	0																																								
Styrene	mg/l	0.000001	0.05	18	<1	<1	0																																								
Bromoform	mg/l	0.000001	N/A	18	<1	<1	0																																								
Isopropylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0																																								
1,1,2,2-tetrachloroethane	mg/l	0.000001	No WSV	18	<1	<1	0																																								
Bromobenzene	mg/l	0.000001	No WSV	18	<1	<1	0																																								
1,2,3-trichloropropane	mg/l	0.000001	No WSV	18	<1	<1	0																																								
n-propylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0																																								
2-chlorotoluene	mg/l	0.000001	No WSV	18	<1	<1	0																																								
1,3,5-trimethylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0																																								
4-chlorotoluene	mg/l	0.000001	No WSV	18	<1	<1	0																																								
Tert-butylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0																																								
1,2,4-trimethylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0																																								
sec-butylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0																																								
p-isopropyltoluene	mg/l	0.000001	No WSV	18	<1	<1	0																																								
1,3-dichlorobenzene	mg/l	0.000001	No WSV	18	<1	<1	0																																								
1,4-dichlorobenzene	mg/l	0.000001	0.02	18	<1	<1	0																																								
n-butylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0																																								
1,2-dichlorobenzene	mg/l	0.000001	0.02	18	<1	<1	0																																								
1,2-dibromo-3-chloropropane	mg/l	0.000001	N/A	18	<1	<1	0																																								
1,2,4-trichlorobenzene	mg/l	0.000001	No WSV	18	<1	<1	0																																								
Hexachlorobutadiene	mg/l	0.000001	0.0006	18	<1	<1	0																																								
Naphthalene	mg/l	0.000001	0.002	18	<1	<1	0																																								
1,2,3-trichlorobenzene	mg/l	0.000001	No WSV	18	<1	<1	0																																								
MTBE	mg/l	0.000001	No WSV	18	<1	<1	0																																								
SVOCs																																														
Aniline	mg/l	0.00005	No WSV	18	<0.05	3.3	0																																								
Phenol	mg/l	0.00005	0.0077	18	<0.05	16	3	BH4455, 6m; BH4455, 6m; ATK BH5910, 6.2m																																								
2-Chlorophenol	mg/l	0.00005	0.05	18	<0.05	<0.05	0																																								
Bis(2-chloroethyl)ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
1,3-Dichlorobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
1,2-Dichlorobenzene	mg/l	0.00005	0.02	18	<0.05	<0.05	0																																								
1,4-Dichlorobenzene	mg/l	0.00005	0.02	18	<0.05	<0.05	0																																								
Bis(2-chloroisopropyl)ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
2-Methylphenol	mg/l	0.00005	No WSV	18	<0.05	7.7	0																																								
Hexachloroethane	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
Nitrobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
4-Methylphenol	mg/l	0.00005	No WSV	18	<0.05	2.5	0																																								
Isophorone	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
2-Nitrophenol	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
2,4-Dimethylphenol	mg/l	0.00005	No WSV	18	<0.05	3.6	0																																								
Bis(2-chloroethoxy)methane	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
1,2,4-Trichlorobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
Naphthalene	mg/l	0.00001	0.002	18	<0.01	3.1	6	ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; ATK BH5906, 10.3m; BH4455, 6m; ATK BH5910, 6.2m																																								
2,4-Dichlorophenol	mg/l	0.00005	0.0042	18	<0.05	<0.05	0																																								
4-Chloroaniline	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
Hexachlorobutadiene	mg/l	0.00005	0.0006	18	<0.05	<0.05	0																																								
4-Chloro-3-methylphenol	mg/l	0.00005	0.04	18	<0.05	<0.05	0																																								
2,4,6-Trichlorophenol	mg/l	0.00005	N/A	18	<0.05	<0.05	0																																								
2,4,5-Trichlorophenol	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
2-Methylnaphthalene	mg/l	0.00005	No WSV	18	<0.05	0.41	0																																								
2-Chloronaphthalene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
Dimethylphthalate	mg/l	0.00005	0.8	18	<0.05	<0.05	0																																								
2,6-Dinitrotoluene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
Acenaphthylene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0																																								
Acenaphthene	mg/l	0.00001	Screen BaP only	18	<0.01	3.1	0																																								
2,4-Dinitrotoluene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
Dibenzofuran	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
4-Chlorophenyl phenyl ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
Diethyl phthalate	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
4-Nitroaniline	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
Fluorene	mg/l	0.00001	N/A	18	<0.01	2.1	0																																								
Azobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
Bromophenyl phenyl ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	0																																								
Hexachlorobenzene	mg/l	0.00005	0.00005	18	<0.05	<0.05	0																																								
Phenanthrene	mg/l	0.00001	Screen BaP only	18	<0.01	3.1	0																																								
Anthracene	mg/l	0.00001	0.0001	18	<0.01	0.6	2	ATK BH5906, 10.3m; ATK BH5906, 10.3m																																								
Carbazole	mg/l	0.00005	No WSV	18	<0.05	3.2	0																																								
Dibutyl phthalate	mg/l	0.00005	0.008	18	<0.05	<0.05	0																																								
Anthraquinone	mg/l	0.00005	No WSV	18	<0.05	0.81	0																																								

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Assessment Criteria :	Manual SSAC								
CaCO (mg/l):	102.00		pH	6.96					
Calcium (mg/l):	27.00		DOC (mg/l)	4.90			Catchment area:	Freshwater not listed	
Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
Fluoranthene	mg/l	0.00001	0.0000063	18	<0.01	0.67	2	ATK BH5906, 10.3m; ATK BH5906, 10.3m
Pyrene	mg/l	0.00001	N/A	18	<0.01	0.43	0	
Butyl benzyl phthalate	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Chrysene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Benzo(a)pyrene	mg/l	0.00001	0.00000017	18	<0.01	<0.01	0	
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	No WSV	18	<0.01	<0.01	0	
Dibenz(a,h)anthracene	mg/l	0.00001	N/A	18	<0.01	<0.01	0	
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
3&4-Methylphenol	mg/l	0.0001	No WSV	18	<0.1	2.5	0	
Methane	mg/L	0.1	No WSV	18	<0.1	12	0	

BH103	SW1	SW2	SW3	SW4	D1	BH101	BH103	BH4	SW1	SW2	SW3	SW4	D1
25/01/2019	25/01/2019	25/01/2019	25/01/2019	25/01/2019	25/01/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019
Clay, sand & Gravel						Clay & Gravel	Silt & Sand	Clay, sand & Gravel					

S1	S2	S3	S4	BH4	BH101	BH103	BH103	BH4	S1	S2	S3	S4	BH101
21/03/2019	21/03/2019	21/03/2019	21/03/2019	21/03/2019	21/03/2019	21/03/2019	17/04/2019	17/04/2019	17/04/2019	17/04/2019	17/04/2019	17/04/2019	22/05/2019
				Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Silt & Sand	Clay, sand & Gravel					Clay & Gravel

BH103	BH4	SW1	SW2	SW3	SW4	BH101	BH4	SW1	SW2	SW3	SW4	BH101	BH4
22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	27/06/2019	27/06/2019	27/06/2019	27/06/2019	27/06/2019	27/06/2019	17/07/2019	17/07/2019
Silt & Sand	Clay, sand & Gravel					Clay & Gravel	Clay, sand & Gravel					Clay & Gravel	Clay, sand & Gravel

ATKINS

Assessment Criteria :	Manual SSAC							
CaCO (mg/l):	102.00		pH	6.96				
Calcium (mg/l):	27.00		DOC (mg/l)	4.90		Catchment area:		Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
pH	pH	0.01	6-9	18	7.2	10	0	
pH BRE	pH	0.01	No WSV	18	7.5	8.21	0	
Hardness Total			No WSV	17	0	0	0	
Ammoniacal nitrogen as N	mg/l	0.02	0.2	18	1.3	190	13	BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m
Ammonia (Free Unionised) as N (w) at 25degC	mg/l	0.000036	No WSV	18	82	82	0	
Ammonia / Ammoniacal Nitrogen as NH3	mg/l	0.024	No WSV	18	1.049	82	0	
Sulphate	mg/l	1	400	18	<0.005	663	7	BH4462, 7.9m; ATKBH5907, 7.5m; ATK BH5907, 10m; ATK BH5906, 10.3m; BH4462, 9.25m; BH4462, 9.25m; ATK BH5907, 10m
Sulphate BRE	mg/l	1	No WSV	18	0.012	520	0	
Cyanide (free)	mg/l	0.005	0.001	17	0.005	<1	0	
Cyanide (total)	mg/l	0.005	N/A	18	<0.005	19	0	
Antimony	mg/l	0.001	N/A	18	<0.4	6	0	
Arsenic	mg/l	0.001	0.05	18	0.86	231	18	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m
Boron	mg/l	0.01	2	18	<0.2	1000	17	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m
Cadmium	mg/l	0.0002	0.00015	17	0.02	<0.2	5	ATK BH5907, 10m; ATK BH5910, 6.15m; BH4459, 8.75m; BH4459, 8.75m; ATK BH5907, 10m
Copper	mg/l	0.001	0.01137	18	0.9	71	18	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m
Chromium	mg/l	0.001	See Cr VI as first pass	18	<0.2	39	0	
Chromium	mg/l	0.01	See Cr VI as first pass	18	<0.01	<5	0	
Lead	mg/l	0.001	0.00371	18	<0.2	1	4	ATK BH5907, 10m; ATK BH5906, 10.3m; BH4462, 9.25m; ATK BH5907, 10m
Magnesium	mg/l	1	N/A	18	0.97	59	0	
Mercury	mg/l	0.0001	0.00007	18	0.05	0.33	3	ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5907, 10m
Nickel	mg/l	0.001	0.00647	18	2	7.5	18	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m
Potassium	mg/l	1.2	N/A	18	13	74	0	
Selenium	mg/l	0.001	N/A	18	0.6	4.8	0	
Zinc	mg/l	0.001	0.0232	18	2.2	10	18	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m
PAH 16MS								
Acenaphthene	mg/l	0.00001	Screen BaP only	18	<0.01	3.14	0	
Acenaphthylene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.1	0	
Anthracene	mg/l	0.00001	0.0001	18	<0.01	0.6	7	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5906, 10.3m; ATK BH5906, 10.3m
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	18	0.01	<0.1	0	
Benzo(a)pyrene	mg/l	0.00001	0.00000017	18	<<0.01	<0.1	0	
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	18	<<0.01	<0.1	0	
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	18	<<0.01	<0.1	0	
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	18	<<0.01	<0.1	0	
Chrysene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.1	0	
Dibenzo(ah)anthracene	mg/l	0.00001	No WSV	18	<<0.01	<0.1	0	
Fluoranthene	mg/l	0.00001	0.0000063	18	<0.01	0.67	8	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5906, 10.3m; ATK BH5906, 10.3m
Fluorene	mg/l	0.00001	N/A	18	<0.01	4.53	0	
Indeno(123-cd)pyrene	mg/l	0.00001	Screen BaP only	18	<<0.01	<0.1	0	
Naphthalene	mg/l	0.00001	0.002	18	<0.01	7.96	12	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; ATK BH5906, 10.3m; BH4455, 6m; ATK BH5910, 6.2m
Phenanthrene	mg/l	0.00001	Screen BaP only	18	<0.01	3.09	0	
Pyrene	mg/l	0.00001	N/A	18	<0.01	0.43	0	
Total PAH 16MS	mg/l	0.00001	No WSV	18	0.13	15	0	
SVOC (excluding PAH-16)								
2,4,5-Trichlorophenol	mg/l	0.001	No WSV	18	<1	<1	0	
2,4,6-Trichlorophenol	mg/l	0.001	N/A	18	<1	<1	0	
2,4-Dichlorophenol	mg/l	0.001	0.0042	18	<1	3	1	ATKBH5907, 7.5m
2,4-Dimethylphenol	mg/l	0.001	No WSV	18	1	8	0	
2,4-Dinitrotoluene	mg/l	0.001	No WSV	18	<1	<1	0	
2,6-Dinitrotoluene	mg/l	0.001	No WSV	18	<1	<1	0	
2-Chloronaphthalene	mg/l	0.001	No WSV	18	<1	<1	0	
2-Chlorophenol	mg/l	0.001	0.05	18	<1	<1	0	
2-Methylnaphthalene	mg/l	0.001	No WSV	18	1	1	0	
2-Methylphenol	mg/l	0.001	No WSV	18	1	7	0	
2-Nitrophenol	mg/l	0.001	No WSV	18	<1	<1	0	
4-Bromophenyl phenyl ether	mg/l	0.001	No WSV	18	<1	<1	0	
4-Chloro-3-methylphenol	mg/l	0.001	0.04	18	<1	<1	0	
Bis(2-chloroisopropyl)ether	mg/l	0.001	No WSV	18	<1	<1	0	
3+4-Methylphenol	mg/l	0.001	No WSV	18	1	14	0	
4-Nitrophenol	mg/l	0.001	No WSV	18	<1	<1	0	
Bis(2-chloroethyl)ether	mg/l	0.001	No WSV	18	<1	<1	0	
Bis(2-chloroethoxy)methane	mg/l	0.001	No WSV	18	<1	<1	0	
Bis(2-ethylhexyl)phthalate	mg/l	0.01	No WSV	18	<10	<10	0	
Butylbenzyl phthalate	mg/l	0.001	No WSV	18	<1	<1	0	
Carbazole	mg/l	0.001	No WSV	18	1	2	0	
Dibenzofuran	mg/l	0.001	No WSV	18	<1	<1	0	
n-Dibutylphthalate	mg/l	0.001	No WSV	18	<1	<1	0	
n-Dioctylphthalate	mg/l	0.01	No WSV	18	<10	<10	0	
n-Nitroso-n-dipropylamine	mg/l	0.001	No WSV	18	<1	<1	0	
Diethyl phthalate	mg/l	0.001	No WSV	18	<1	<1	0	
Dimethyl phthalate	mg/l	0.001	No WSV	18	<1	<1	0	
Hexachlorobenzene	mg/l	0.001	0.00005	18	<1	<1	0	
Pentachlorophenol (SVOC)	mg/l	0.001	No WSV	18	1	3	0	
Phenol	mg/l	0.001	0.0077	18	<1	109	4	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m; BH4455, 5.5m
Hexachloroethane	mg/l	0.001	No WSV	18	<1	<1	0	
Nitrobenzene	mg/l	0.001	No WSV	18	<1	<1	0	
Isophorone	mg/l	0.001	No WSV	18	<1	<1	0	
Hexachlorocyclopentadiene	mg/l	0.001	No WSV	18	<1	<1	0	
Perylene	mg/l	0.001	No WSV	18	<1	<1	0	
VOC	mg/l	0	No WSV	18	0	0	0	
Dichlorodifluoromethane	mg/l	0.001	No WSV	18	1	2	0	
Chloromethane	mg/l	0.01	No WSV	18	<10	<10	0	
Vinyl Chloride	mg/l	0.001	N/A	18	<1	4	0	
Bromomethane	mg/l	0.001	No WSV	18	<1	<1	0	
Chloroethane	mg/l	0.001	No WSV	18	<1	<1	0	
Trichlorofluoromethane	mg/l	0.001	No WSV	18	<1	<1	0	
trans 1,2-Dichloroethene	mg/l	0.001	No WSV	18	<1	<1	0	
Dichloromethane	mg/l	0.005	0.02	18	<5	<5	0	
Carbon Disulphide	mg/l	0.001	No WSV	18	<1	<1	0	
1,1-Dichloroethene	mg/l	0.001	No WSV	18	<1	<1	0	
1,1-Dichloroethane	mg/l	0.001	No WSV	18	<1	<1	0	
cis 1,2-Dichloroethene	mg/l	0.001	No WSV	18	<1	23	0	
Bromochloromethane	mg/l	0.005	No WSV	18	<5	<5	0	
Chloroform	mg/l	0.001	0.0025	18	<1	<1	0	
2,2-Dichloropropane	mg/l	0.001	No WSV	18	<1	<1	0	
1,2-Dichloroethane	mg/l	0.002	0.01	18	2	2	1	BH4459, 6.9m
1,1,1-Trichloroethane	mg/l	0.001	0.1	18	<1	<1	0	
1,1-Dichloropropene	mg/l	0.001	No WSV	18	<1	<1	0	
Benzene	mg/l	0.001	0.01	18	1	3	3	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m
Carbon Tetrachloride	mg/l	0.001	0.012	18	<1	<1	0	
Dibromomethane	mg/l	0.001	No WSV	18	<1	<1	0	
1,2-Dichloropropane	mg/l	0.001	N/A	18	<1	<1	0	
Bromodichloromethane	mg/l	0.01	N/A	18	<10	<10	0	
Trichloroethene	mg/l	0.001	0.01	18	<1	<1	0	
cis 1,3-Dichloropropene	mg/l	0.001	No WSV	18	<1	<1	0	
trans 1,3-Dichloropropene	mg/l	0.001	No WSV	18	<1	<1	0	
1,1,2-Trichloroethane	mg/l	0.001	0.4	18	<1	<1	0	
Toluene	mg/l	0.001	0.074	18	1	1	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m
1,3-Dichloropropane	mg/l	0.001	No WSV	18	<1	<1	0	
Dibromochloromethane	mg/l	0.003	N/A	18	<3	<3	0	
1,2-Dibromoethane	mg/l	0.001	N/A	18	<1	<1	0	
Tetrachloroethene	mg/l	0.001	0.01	18	<1	<1	0	
1,1,1,2-Tetrachloroethane	mg/l	0.001	No WSV	18	<1	<1	0	
Chlorobenzene	mg/l	0.001	N/A	18	<1	4	0	
Ethylbenzene	mg/l	0.001	0.02	18	1	1	1	ATKBH5910, 4.8m
m & p Xylene	mg/l	0.001	No WSV	18	<1	<1	0	

Sample	Depth	Date	Strata
SW1		17/07/2019	
SW2		17/07/2019	
SW3		17/07/2019	
SW4		17/07/2019	
BH101		13/08/2019	Clay & Gravel
BH103		13/08/2019	Silt & Sand
BH4		13/08/2019	Clay, sand & Gravel
SW1		13/08/2019	
SW2		13/08/2019	
SW3		13/08/2019	
SW4		13/08/2019	
BH101		18/09/2019	Clay & Gravel
BH103		18/09/2019	Silt & Sand
BH4		18/09/2019	Clay, sand & Gravel
S1		18/09/2019	
S2		18/09/2019	
S3		18/09/2019	
S4		18/09/2019	
ATK BH5907	10m	28/06/2022	
ATK BH5910	6.15m	28/06/2022	
BH4463	7m	28/06/2022	
QAQC1 - BH4463	None Suppliedm	28/06/2022	
QAQC2 - Blank	None Suppliedm	28/06/2022	
ATK BH5906	10.3m	25/04/2022	
BH1	6m	25/04/2022	
BH2	5.5m	25/04/2022	
BH3	5.5m	26/04/2022	
BH4	5.5m	26/04/2022	
BH5	5m	27/04/2022	
BH6	4.5m	27/04/2022	
BH7	4.35m	27/04/2022	
BH101	6m	25/04/2022	
BH102	6.08m	26/04/2022	
BH103	5.75m	26/04/2022	
BH4454	6m	25/04/2022	
BH4455	6m	26/04/2022	
BH4456	5m	26/04/2022	
BH4458	6.2m	25/04/2022	
BH4459	8.75m	25/04/2022	
BH4460	13.75m	26/04/2022	
BH4461	11.25m	26/04/2022	
BH4462	9.25m	25/04/2022	
BH4485	4.2m	27/04/2022	
BH4486	5.1m	27/04/2022	
ATK BH5906	10.3m	12/05/2022	

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Assessment Criteria :	Manual SSAC							
CaCO (mg/l):	102.00		pH	6.96				
Calcium (mg/l):	27.00		DOC (mg/l)	4.90		Catchment area:	Freshwater not listed	

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
Bromoform	mg/l	0.001	N/A	18	<1	<1	0	
Styrene	mg/l	0.001	0.05	18	<1	3	1	ATKBH5910, 4.8m
1,1,2,2-Tetrachloroethane	mg/l	0.001	No WSV	18	<1	<1	0	
o-Xylene	mg/l	0.001	See Xylenes (total)	18	<1	<1	0	
1,2,3-Trichloropropane	mg/l	0.001	No WSV	18	<1	<1	0	
Isopropylbenzene	mg/l	0.001	No WSV	18	1	1	0	
Bromobenzene	mg/l	0.001	No WSV	18	<1	<1	0	
2-Chlorotoluene	mg/l	0.001	No WSV	18	<1	<1	0	
n-propylbenzene	mg/l	0.001	No WSV	18	<1	<1	0	
4-Chlorotoluene	mg/l	0.001	No WSV	18	<1	<1	0	
1,2,4-Trimethylbenzene	mg/l	0.001	No WSV	18	<1	<1	0	
4-Isopropyltoluene	mg/l	0.001	No WSV	18	<1	<1	0	
1,3,5-Trimethylbenzene	mg/l	0.001	No WSV	18	<1	<1	0	
1,2-Dichlorobenzene	mg/l	0.001	0.02	18	<1	<1	0	
1,4-Dichlorobenzene	mg/l	0.001	0.02	18	<1	<1	0	
sec-Butylbenzene	mg/l	0.001	No WSV	18	<1	<1	0	
tert-Butylbenzene	mg/l	0.002	No WSV	18	<2	<2	0	
1,3-Dichlorobenzene	mg/l	0.001	No WSV	18	<1	<1	0	
n-butylbenzene	mg/l	0.001	No WSV	18	<1	<1	0	
1,2-Dibromo-3-chloropropane	mg/l	0.002	N/A	18	<2	<2	0	
1,2,4-Trichlorobenzene	mg/l	0.003	No WSV	18	<3	<3	0	
1,2,3-Trichlorobenzene	mg/l	0.003	No WSV	18	<3	<3	0	
Hexachlorobutadiene	mg/l	0.001	0.0006	18	<1	<1	0	
TPH CWG								
Aliphatic TPH >C5-C6	mg/l	0.001	0.01	18	<<1	<3	0	
Aliphatic TPH >C6-C8	mg/l	0.001	0.01	18	<1	3	4	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; BH4455, 5.5m
Aliphatic TPH >C8-C10	mg/l	0.005	0.01	18	<1	17	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m
Aliphatic TPH >C10-C12	mg/l	0.005	0.01	18	5	<10	2	ATKBH5910, 4.8m; ATKBH5907, 7.5m
Aliphatic TPH >C12-C16	mg/l	0.005	0.01	18	<5	<10	0	
Aliphatic TPH >C16-C21	mg/l	0.005	0.01	18	<5	<10	0	
Aliphatic TPH >C21-C35	mg/l	0.005	0.01	18	<5	12	2	ATKBH5907, 7.5m; BH4455, 5.5m
Total Aliphatics	mg/l	0.005	No WSV	18	<5	27	0	
Aromatic TPH >C5-C7	mg/l	0.001	0.01	18	1	3	3	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m
Aromatic TPH >C7-C8	mg/l	0.001	0.01	18	1	1	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m
Aromatic TPH >C8-C10	mg/l	0.005	0.01	18	<1	75	4	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m
Aromatic TPH >C10-C12	mg/l	0.005	0.01	18	<5	77	6	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5910, 6.15m
Aromatic TPH >C12-C16	mg/l	0.005	0.01	18	<5	139	7	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m
Aromatic TPH >C16-C21	mg/l	0.005	0.01	18	<5	67	6	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m
Aromatic TPH >C21-C35	mg/l	0.01	0.01	18	<10	42	5	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m
Total Aromatics	mg/l	0.01	No WSV	18	<10	379	0	
TPH (Ali & Aro >C5-C35)	mg/l	0.01	No WSV	18	<10	406	0	
Benzene	mg/l	0.001	0.01	18	1	3	3	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m
Toluene	mg/l	0.001	0.074	18	1	1	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m
Ethyl Benzene	mg/l	0.001	No WSV	18	1	1	0	
m & p Xylene	mg/l	0.001	No WSV	18	<1	<1	0	
o Xylene	mg/l	0.001	No WSV	18	<1	<1	0	
MTBE	mg/l	0.001	No WSV	18	<1	<1	0	
VOCs								
Dichlorodifluoromethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Chloromethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Vinyl Chloride	mg/l	0.000001	N/A	18	<1	<1	0	
Bromomethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Chloroethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Trichlorofluoromethane	mg/l	0.000001	No WSV	18	<1	<1	0	
1,1-dichloroethylene	mg/l	0.000001	N/A	18	<1	<1	0	
Methylene Chloride	mg/l	0.000001	No WSV	18	<1	<1	0	
Cis-1,2-dichloroethene	mg/l	0.000001	No WSV	18	<1	11.3	0	
Trans-1,2-dichloroethylene	mg/l	0.000001	N/A	18	<1	<1	0	
1,1-dichloroethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Cis-1,2-dichloroethylene	mg/l	0.000001	N/A	18	<1	<1	0	
2,2-dichloropropane	mg/l	0.000001	No WSV	18	<1	<1	0	
Bromochloromethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Chloroform	mg/l	0.000001	0.0025	18	<1	<1	0	
1,1,1-trichloroethane	mg/l	0.000001	0.1	18	<1	<1	0	
1,1-dichloropropene	mg/l	0.000001	No WSV	18	<1	<1	0	
Carbon tetrachloride	mg/l	0.000001	0.012	18	<1	<1	0	
Benzene	mg/l	0.000001	0.01	18	<1	<1	0	
1,2-dichloroethane	mg/l	0.000001	0.01	18	<1	<1	0	
Trichloroethylene	mg/l	0.000001	0.01	18	<1	<1	0	
1,2-dichloropropane	mg/l	0.000001	N/A	18	<1	<1	0	
Dibromomethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Bromodichloromethane	mg/l	0.000001	N/A	18	<1	<1	0	
cis-1,3-dichloropropene	mg/l	0.000001	No WSV	18	<1	<1	0	
Toluene	mg/l	0.000001	0.074	18	<1	<1	0	
trans-1,3-dichloropropene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,1,2-trichloroethane	mg/l	0.000001	0.4	18	<1	<1	0	
Tetrachloroethylene	mg/l	0.000001	0.01	18	<1	<1	0	
1,3-dichloropropane	mg/l	0.000001	No WSV	18	<1	<1	0	
Dibromochloromethane	mg/l	0.000001	N/A	18	<1	<1	0	
1,2-dibromoethane	mg/l	0.000001	N/A	18	<1	<1	0	
Chlorobenzene	mg/l	0.000001	N/A	18	<1	<1	0	
1,1,1,2-tetrachloroethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Ethylbenzene	mg/l	0.000001	0.02	18	<1	<1	0	
m+p-Xylene	mg/l	0.000001	No WSV	18	<1	<1	0	
o-Xylene	mg/l	0.000001	See Xylenes (total)	18	<1	<1	0	
Styrene	mg/l	0.000001	0.05	18	<1	<1	0	
Bromoform	mg/l	0.000001	N/A	18	<1	<1	0	
Isopropylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,1,2,2-tetrachloroethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Bromobenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,2,3-trichloropropane	mg/l	0.000001	No WSV	18	<1	<1	0	
n-propylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
2-chlorotoluene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,3,5-trimethylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
4-chlorotoluene	mg/l	0.000001	No WSV	18	<1	<1	0	
Tert-butylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,2,4-trimethylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
sec-butylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
p-isopropyltoluene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,3-dichlorobenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,4-dichlorobenzene	mg/l	0.000001	0.02	18	<1	<1	0	
n-butylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,2-dichlorobenzene	mg/l	0.000001	0.02	18	<1	<1	0	
1,2-dibromo-3-chloropropane	mg/l	0.000001	N/A	18	<1	<1	0	
1,2,4-trichlorobenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
Hexachlorobutadiene	mg/l	0.000001	0.0006	18	<1	<1	0	
Naphthalene	mg/l	0.000001	0.002	18	<1	<1	0	
1,2,3-trichlorobenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
MTBE	mg/l	0.000001	No WSV	18	<1	<1	0	
SVOCs								
Aniline	mg/l	0.00005	No WSV	18	<0.05	3.3	0	
Phenol	mg/l	0.00005	0.0077	18	<0.05	16	3	BH4455, 6m; BH4455, 6m; ATK BH5910, 6.2m
2-Chlorophenol	mg/l	0.00005	0.05	18	<0.05	<0.05	0	
Bis(2-chloroethyl)ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
1,3-Dichlorobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
1,2-Dichlorobenzene	mg/l	0.00005	0.02	18	<0.05	<0.05	0	
1,4-Dichlorobenzene	mg/l	0.00005	0.02	18	<0.05	<0.05	0	
Bis(2-chloroisopropyl)ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
2-Methylphenol	mg/l	0.00005	No WSV	18	<0.05	7.7	0	
Hexachloroethane	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Nitrobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
4-Methylphenol	mg/l	0.00005	No WSV	18	<0.05	2.5	0	
Isophorone	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
2-Nitrophenol	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
2,4-Dimethylphenol	mg/l	0.00005	No WSV	18	<0.05	3.6	0	
Bis(2-chloroethoxy)methane	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
1,2,4-Trichlorobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Naphthalene	mg/l	0.00001	0.002	18	<0.01	3.1	6	ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; ATK BH5906, 10.3m; BH4455, 6m; ATK BH5910, 6.2m
2,4-Dichlorophenol	mg/l	0.00005	0.0042	18	<0.05	<0.05	0	
4-Chloroaniline	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Hexachlorobutadiene	mg/l	0.00005	0.0006	18	<0.05	<0.05	0	
4-Chloro-3-methylphenol	mg/l	0.00005	0.04	18	<0.05	<0.05	0	
2,4,6-Trichlorophenol	mg/l	0.00005	N/A	18	<0.05	<0.05	0	
2,4,5-Trichlorophenol	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
2-Methylnaphthalene	mg/l	0.00005	No WSV	18	<0.05	0.41	0	
2-Chloronaphthalene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Dimethylphthalate	mg/l	0.00005	0.8	18	<0.05	<0.05	0	
2,6-Dinitrotoluene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Acenaphthylene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Acenaphthene	mg/l	0.00001	Screen BaP only	18	<0.01	3.1	0	
2,4-Dinitrotoluene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Dibenzofuran	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
4-Chlorophenyl phenyl ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Diethyl phthalate	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
4-Nitroaniline	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Fluorene	mg/l	0.00001	N/A	18	<0.01	2.1	0	
Azobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Bromophenyl phenyl ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Hexachlorobenzene	mg/l	0.00005	0.00005	18	<0.05	<0.05	0	
Phenanthrene	mg/l	0.00001	Screen BaP only	18	<0.01	3.1	0	
Anthracene	mg/l	0.00001	0.0001	18	<0.01	0.6	2	ATK BH5906, 10.3m; ATK BH5906, 10.3m
Carbazole	mg/l	0.00005	No WSV	18	<0.05	3.2	0	
Dibutyl phthalate	mg/l	0.00005	0.008	18	<0.05	<0.05	0	
Anthraquinone	mg/l	0.00005	No WSV	18	<0.05	0.81	0	

Sample	Depth	Date	Strata
SW1		17/07/2019	
SW2		17/07/2019	
SW3		17/07/2019	
SW4		17/07/2019	
BH101		13/08/2019	Clay & Gravel
BH103		13/08/2019	Silt & Sand
BH4		13/08/2019	Clay, sand & Gravel
SW1		13/08/2019	
SW2		13/08/2019	
SW3		13/08/2019	
SW4		13/08/2019	
BH101		18/09/2019	Clay & Gravel
BH103		18/09/2019	Silt & Sand
BH4		18/09/2019	Clay, sand & Gravel
S1		18/09/2019	
S2		18/09/2019	
S3		18/09/2019	
S4		18/09/2019	
ATK BH5907	10m	28/06/2022	
ATK BH5910	6.15m	28/06/2022	
BH4463	7m	28/06/2022	
QAQC1 - BH4463	None Suppliedm	28/06/2022	
QAQC2 - Blank	None Suppliedm	28/06/2022	
ATK BH5906	10.3m	25/04/2022	
BH1	6m	25/04/2022	
BH2	5.5m	25/04/2022	
BH3	5.5m	26/04/2022	
BH4	5.5m	26/04/2022	
BH5	5m	27/04/2022	
BH6	4.5m	27/04/2022	
BH7	4.35m	27/04/2022	
BH101	6m	25/04/2022	
BH102	6.08m	26/04/2022	
BH103	5.75m	26/04/2022	
BH4454	6m	25/04/2022	
BH4455	6m	26/04/2022	
BH4456	5m	26/04/2022	
BH4458	6.2m	25/04/2022	
BH4459	8.75m	25/04/2022	
BH4460	13.75m	26/04/2022	
BH4461	11.25m	26/04/2022	
BH4462	9.25m	25/04/2022	
BH4485	4.2m	27/04/2022	
BH4486	5.1m	27/04/2022	
ATK BH5906	10.3m	12/05/2022	

Assessment Criteria :	*Manual SSAC*							
CaCO (mg/l):	**102.00**		**pH**	**6.96**				
Calcium (mg/l):	**27.00**		**DOC (mg/l)**	**4.90**			**Catchment area:**	**Freshwater not listed**
Constituents	**Unit**	**Limit of Detection**	**Generic Assessment Criteria**	**Number of Samples**	**Minimum Value**	**Maximum Value**	**Number of Exceedences**	**Locations of Exceedences**
Fluoranthene	mg/l	0.00001	0.0000063	18	<0.01	0.67	2	ATK BH5906, 10.3m; ATK BH5906, 10.3m
Pyrene	mg/l	0.00001	N/A	18	<0.01	0.43	0	
Butyl benzyl phthalate	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Chrysene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Benzo(a)pyrene	mg/l	0.00001	0.00000017	18	<0.01	<0.01	0	
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	No WSV	18	<0.01	<0.01	0	
Dibenz(a,h)anthracene	mg/l	0.00001	N/A	18	<0.01	<0.01	0	
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
3&4-Methylphenol	mg/l	0.0001	No WSV	18	<0.1	2.5	0	
Methane	mg/L	0.1	No WSV	18	<0.1	12	0	

SW1	SW2	SW3	SW4	BH101	BH103	BH4	SW1	SW2	SW3	SW4	BH101	BH103	BH4	S1	S2	S3	S4	ATK BH5907	ATK BH5910	BH4463	QAQC1 - BH4463	QAQC2 - Blank	ATK BH5906	BH1	BH2	BH3	BH4	BH5	BH6	BH7	BH101	BH102	BH103	BH4454	BH4455	BH4456	BH4458	BH4459	BH4460	BH4461	BH4462	BH4485	BH4486	ATK BH5906
																		10m	6.15m	7m	None Suppliedm	None Suppliedm	10.3m	6m	5.5m	5.5m	5.5m	5m	4.5m	4.35m	6m	6.08m	5.75m	6m	6m	5m	6.2m	8.75m	13.75m	11.25m	9.25m	4.2m	5.1m	10.3m
17/07/2019	17/07/2019	17/07/2019	17/07/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	28/06/2022	28/06/2022	28/06/2022	28/06/2022	28/06/2022	25/04/2022	25/04/2022	25/04/2022	26/04/2022	26/04/2022	27/04/2022	27/04/2022	27/04/2022	25/04/2022	26/04/2022	26/04/2022	25/04/2022	26/04/2022	26/04/2022	25/04/2022	25/04/2022	26/04/2022	26/04/2022	25/04/2022	27/04/2022	27/04/2022	12/05/2022
				Clay & Gravel	Silt & Sand	Clay, sand & Gravel					Clay & Gravel	Silt & Sand	Clay, sand & Gravel																															

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Assessment Criteria :			*Manual SSAC*					
CaCO (mg/l):	102.00		pH	6.96				
Calcium (mg/l):	27.00		DOC (mg/l)	4.90		Catchment area:		Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	BH1	BH2	BH3	BH4	BH5	BH6	BH101	BH103	BH4454	BH4455	BH4456	BH4458	BH4459	BH4460	BH4461	BH4462	BH4485	BH7	BH4486	ATK BH5907	ATK BH5910	BH4463	QAQC1
									6m	5.5m	5.5m	5.5m	5m	4.5m	6m	5.75m	6m	6m	5m	6.2m	8.75m	13.75m	11.25m	9.25m	4.2m	4.35m	5.1m	10m	6.2m	6.8m	None Supplied/m
									12/05/2022	11/05/2022	11/05/2022	11/05/2022	12/05/2022	12/05/2022	12/05/2022	12/05/2022	11/05/2022	11/05/2022	11/05/2022	11/05/2022	11/05/2022	12/05/2022	12/05/2022	12/05/2022	12/05/2022	12/05/2022	13/05/2022	13/05/2022	09/08/2022	09/08/2022	09/08/2022	09/08/2022
pH	pH	0.01	6-9	18	7.2	10	0																								
pH BRE	pH	0.01	No WSV	18	7.5	8.21	0																								
Hardness Total			No WSV	17	0	0	0																								
Ammoniacal nitrogen as N	mg/l	0.02	0.2	18	1.3	190	13	BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m																							
Ammonia (Free Unionised) as N (w) at 25degC.	mg/l	0.000036	No WSV	18	82	82	0																								
Ammonia / Ammoniacal Nitrogen as NH3	mg/l	0.024	No WSV	18	1.049	82	0																								
Sulphate	mg/l	1	400	18	<0.005	663	7	BH4462, 7.9m; ATKBH5907, 7.5m; ATK BH5907, 10m; ATK BH5906, 10.3m; BH4462, 9.25m; BH4462, 9.25m; ATK BH5907, 10m																							
Sulphate BRE	mg/l	1	No WSV	18	0.012	520	0																								
Cyanide (free)	mg/l	0.005	0.001	17	0.005	<1	0																								
Cyanide (total)	mg/l	0.005	N/A	18	<0.005	19	0																								
Antimony	mg/l	0.001	N/A	18	<0.4	6	0																								
Arsenic	mg/l	0.001	0.05	18	0.86	231	18	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m																							
Boron	mg/l	0.01	2	18	<0.2	1000	17	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m																							
Cadmium	mg/l	0.0002	0.00015	17	0.02	<0.2	5	ATK BH5907, 10m; ATK BH5910, 6.15m; BH4459, 8.75m; BH4459, 8.75m; ATK BH5907, 10m																							
Copper	mg/l	0.001	0.01137	18	0.9	71	18	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m																							
Chromium	mg/l	0.001	See Cr VI as first pass	18	<0.2	39	0																								
Chromium	mg/l	0.01	See Cr VI as first pass	18	<0.01	<5	0																								
Lead	mg/l	0.001	0.00371	18	<0.2	1	4	ATK BH5907, 10m; ATK BH5906, 10.3m; BH4462, 9.25m; ATK BH5907, 10m																							
Magnesium	mg/l	1	N/A	18	0.97	59	0																								
Mercury	mg/l	0.0001	0.00007	18	0.05	0.33	3	ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5907, 10m																							
Nickel	mg/l	0.001	0.00647	18	2	7.5	18	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m																							
Potassium	mg/l	1.2	N/A	18	13	74	0																								
Selenium	mg/l	0.001	N/A	18	0.6	4.8	0																								
Zinc	mg/l	0.001	0.0232	18	2.2	10	18	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5906, 10.3m; BH4455, 6m; BH4459, 8.75m; BH4462, 9.25m; ATK BH5907, 10m; ATK BH5910, 6.2m																							
PAH 16MS																															
Acenaphthene	mg/l	0.00001	Screen BaP only	18	<0.01	3.14	0																								
Acenaphthylene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.1	0																								
Anthracene	mg/l	0.00001	0.0001	18	<0.01	0.6	7	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5906, 10.3m; ATK BH5906, 10.3m																							
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	18	0.01	<0.1	0																								
Benzo(a)pyrene	mg/l	0.00001	0.00000017	18	<<0.01	<0.1	0																								
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	18	<<0.01	<0.1	0																								
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	18	<<0.01	<0.1	0																								
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	18	<<0.01	<0.1	0																								
Chrysene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.1	0																								
Dibenzo(ah)anthracene	mg/l	0.00001	No WSV	18	<<0.01	<0.1	0																								
Fluoranthene	mg/l	0.00001	0.0000063	18	<0.01	0.67	8	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5906, 10.3m; ATK BH5906, 10.3m																							
Fluorene	mg/l	0.00001	N/A	18	<0.01	4.53	0																								
Indeno(123-cd)pyrene	mg/l	0.00001	Screen BaP only	18	<<0.01	<0.1	0																								
Naphthalene	mg/l	0.00001	0.002	18	<0.01	7.96	12	ATKBH5906, 8.4m; BH4459, 6.9m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; ATK BH5906, 10.3m; BH4455, 6m; ATK BH5910, 6.2m																							
Phenanthrene	mg/l	0.00001	Screen BaP only	18	<0.01	3.09	0																								
Pyrene	mg/l	0.00001	N/A	18	<0.01	0.43	0																								
Total PAH 16MS	mg/l	0.00001	No WSV	18	0.13	15	0																								
SVOC (excluding PAH-16)																															
2,4,5-Trichlorophenol	mg/l	0.001	No WSV	18	<1	<1	0																								
2,4,6-Trichlorophenol	mg/l	0.001	N/A	18	<1	<1	0																								
2,4-Dichlorophenol	mg/l	0.001	0.0042	18	<1	3	1	ATKBH5907, 7.5m																							
2,4-Dimethylphenol	mg/l	0.001	No WSV	18	1	8	0																								
2,4-Dinitrotoluene	mg/l	0.001	No WSV	18	<1	<1	0																								
2,6-Dinitrotoluene	mg/l	0.001	No WSV	18	<1	<1	0																								
2-Chloronaphthalene	mg/l	0.001	No WSV	18	<1	<1	0																								
2-Chlorophenol	mg/l	0.001	0.05	18	<1	<1	0																								
2-Methylnaphthalene	mg/l	0.001	No WSV	18	1	1	0																								
2-Methylphenol	mg/l	0.001	No WSV	18	1	7	0																								
2-Nitrophenol	mg/l	0.001	No WSV	18	<1	<1	0																								
4-Bromophenyl phenyl ether	mg/l	0.001	No WSV	18	<1	<1	0																								
4-Chloro-3-methylphenol	mg/l	0.001	0.04	18	<1	<1	0																								
Bis(2-chloroisopropyl)ether	mg/l	0.001	No WSV	18	<1	<1	0																								
3+4-Methylphenol	mg/l	0.001	No WSV	18	1	14	0																								
4-Nitrophenol	mg/l	0.001	No WSV	18	<1	<1	0																								
Bis(2-chloroethyl)ether	mg/l	0.001	No WSV	18	<1	<1	0																								
Bis(2-chloroethoxy)methane	mg/l	0.001	No WSV	18	<1	<1	0																								
Bis(2-ethylhexyl)phthalate	mg/l	0.01	No WSV	18	<10	<10	0																								
Butylbenzyl phthalate	mg/l	0.001	No WSV	18	<1	<1	0																								
Carbazole	mg/l	0.001	No WSV	18	1	2	0																								
Dibenzofuran	mg/l	0.001	No WSV	18	<1	<1	0																								
n-Dibutylphthalate	mg/l	0.001	No WSV	18	<1	<1	0																								
n-Dioctylphthalate	mg/l	0.01	No WSV	18	<10	<10	0																								
n-Nitroso-n-dipropylamine	mg/l	0.001	No WSV	18	<1	<1	0																								
Diethyl phthalate	mg/l	0.001	No WSV	18	<1	<1	0																								
Dimethyl phthalate	mg/l	0.001	No WSV	18	<1	<1	0																								
Hexachlorobenzene	mg/l	0.001	0.00005	18	<1	<1	0																								
Pentachlorophenol (SVOC)	mg/l	0.001	No WSV	18	1	3	0																								
Phenol	mg/l	0.001	0.0077	18	<1	109	4	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m; BH4455, 5.5m																							
Hexachloroethane	mg/l	0.001	No WSV	18	<1	<1	0																								
Nitrobenzene	mg/l	0.001	No WSV	18	<1	<1	0																								
Isophorone	mg/l	0.001	No WSV	18	<1	<1	0																								
Hexachlorocyclopentadiene	mg/l	0.001	No WSV	18	<1	<1	0																								
Perylene	mg/l	0.001	No WSV	18	<1	<1	0																								
VOC	mg/l	0	No WSV	18	0	0	0																								
Dichlorodifluoromethane	mg/l	0.001	No WSV	18	1	2	0																								
Chloromethane	mg/l	0.01	No WSV	18	<10	<10	0																								
Vinyl Chloride	mg/l	0.001	N/A	18	<1	4	0																								
Bromomethane	mg/l	0.001	No WSV	18	<1	<1	0																								
Chloroethane	mg/l	0.001	No WSV	18	<1	<1	0																								
Trichlorofluoromethane	mg/l	0.001	No WSV	18	<1	<1	0																								
trans 1,2-Dichloroethene	mg/l	0.001	No WSV	18	<1	<1	0																								
Dichloromethane	mg/l	0.005	0.02	18	<5	<5	0																								
Carbon Disulphide	mg/l	0.001	No WSV	18	<1	<1	0																								
1,1-Dichloroethene	mg/l	0.001	No WSV	18	<1	<1	0																								
1,1-Dichloroethane	mg/l	0.001	No WSV	18	<1	<1	0																								
cis 1,2-Dichloroethene	mg/l	0.001	No WSV	18	<1	23	0																								
Bromochloromethane	mg/l	0.005	No WSV	18	<5	<5	0																								
Chloroform	mg/l	0.001	0.0025	18	<1	<1	0																								
2,2-Dichloropropane	mg/l	0.001	No WSV	18	<1	<1	0																								
1,2-Dichloroethane	mg/l	0.002	0.01	18	2	2	1	BH4459, 6.9m																							
1,1,1-Trichloroethane	mg/l	0.001	0.1	18	<1	<1	0																								
1,1-Dichloropropene	mg/l	0.001	No WSV	18	<1	<1	0																								
Benzene	mg/l	0.001	0.01	18	1	3	3	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m																							
Carbon Tetrachloride	mg/l	0.001	0.012	18	<1	<1	0																								
Dibromomethane	mg/l	0.001	No WSV	18	<1	<1	0																								
1,2-Dichloropropane	mg/l	0.001	N/A	18	<1	<1	0																								
Bromodichloromethane	mg/l	0.01	N/A	18	<10	<10	0																								
Trichloroethene	mg/l	0.001	0.01	18	<1	<1	0																								
cis 1,3-Dichloropropene	mg/l	0.001	No WSV	18	<1	<1	0																								
trans 1,3-Dichloropropene	mg/l	0.001	No WSV	18	<1	<1	0																								
1,1,2-Trichloroethane	mg/l	0.001	0.4	18	<1	<1	0																								
Toluene	mg/l	0.001	0.074	18	1	1	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m																							
1,3-Dichloropropane	mg/l	0.001	No WSV	18	<1	<1	0																								
Dibromochloromethane	mg/l	0.003	N/A	18	<3	<3	0																								
1,2-Dibromoethane	mg/l	0.001	N/A	18	<1	<1	0																								
Tetrachloroethene	mg/l	0.001	0.01	18	<1	<1	0																								
1,1,1,2-Tetrachloroethane	mg/l	0.001	No WSV	18	<1	<1	0																								
Chlorobenzene	mg/l	0.001	N/A	18	<1	4	0																								
Ethylbenzene	mg/l	0.001	0.02	18	1	1	1	ATKBH5910, 4.8m																							
m & p Xylene	mg/l	0.001	No WSV	18	<1	<1	0																								

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Assessment Criteria :	Manual SSAC				
CaCO (mg/l):	102.00	pH	6.96		
Calcium (mg/l):	27.00	DOC (mg/l)	4.90	Catchment area:	Freshwater not listed

BH1	BH2	BH3	BH4	BH5	BH6	BH101	BH103	BH4454	BH4455	BH4456	BH4458	BH4459	BH4460	BH4461	BH4462	BH4485	BH7	BH4486	ATK BH5907	ATK BH5910	BH4463	QAQC1
6m	5.5m	5.5m	5.5m	5m	4.5m	6m	5.75m	6m	6m	5m	6.2m	8.75m	13.75m	11.25m	9.25m	4.2m	4.35m	5.1m	10m	6.2m	6.8m	None Suppliedm
12/05/2022	11/05/2022	11/05/2022	11/05/2022	12/05/2022	12/05/2022	12/05/2022	12/05/2022	11/05/2022	11/05/2022	11/05/2022	11/05/2022	11/05/2022	12/05/2022	12/05/2022	12/05/2022	12/05/2022	13/05/2022	13/05/2022	09/08/2022	09/08/2022	09/08/2022	09/08/2022

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
Bromoform	mg/l	0.001	N/A	18	<1	<1	0	
Styrene	mg/l	0.001	0.05	18	<1	3	1	ATKBH5910, 4.8m
1,1,2,2-Tetrachloroethane	mg/l	0.001	No WSV	18	<1	<1	0	
o-Xylene	mg/l	0.001	See Xylenes (total)	18	<1	<1	0	
1,2,3-Trichloropropane	mg/l	0.001	No WSV	18	<1	<1	0	
Isopropylbenzene	mg/l	0.001	No WSV	18	1	1	0	
Bromobenzene	mg/l	0.001	No WSV	18	<1	<1	0	
2-Chlorotoluene	mg/l	0.001	No WSV	18	<1	<1	0	
n-propylbenzene	mg/l	0.001	No WSV	18	<1	<1	0	
4-Chlorotoluene	mg/l	0.001	No WSV	18	<1	<1	0	
1,2,4-Trimethylbenzene	mg/l	0.001	No WSV	18	<1	<1	0	
4-Isopropyltoluene	mg/l	0.001	No WSV	18	<1	<1	0	
1,3,5-Trimethylbenzene	mg/l	0.001	No WSV	18	<1	<1	0	
1,2-Dichlorobenzene	mg/l	0.001	0.02	18	<1	<1	0	
1,4-Dichlorobenzene	mg/l	0.001	0.02	18	<1	<1	0	
sec-Butylbenzene	mg/l	0.001	No WSV	18	<1	<1	0	
tert-Butylbenzene	mg/l	0.002	No WSV	18	<2	<2	0	
1,3-Dichlorobenzene	mg/l	0.001	No WSV	18	<1	<1	0	
n-butylbenzene	mg/l	0.001	No WSV	18	<1	<1	0	
1,2-Dibromo-3-chloropropane	mg/l	0.002	N/A	18	<2	<2	0	
1,2,4-Trichlorobenzene	mg/l	0.003	No WSV	18	<3	<3	0	
1,2,3-Trichlorobenzene	mg/l	0.003	No WSV	18	<3	<3	0	
Hexachlorobutadiene	mg/l	0.001	0.0006	18	<1	<1	0	
TPH CWG								
Aliphatic TPH >C5-C6	mg/l	0.001	0.01	18	<<1	<3	0	
Aliphatic TPH >C6-C8	mg/l	0.001	0.01	18	<1	3	4	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; BH4455, 5.5m
Aliphatic TPH >C8-C10	mg/l	0.005	0.01	18	<1	17	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m
Aliphatic TPH >C10-C12	mg/l	0.005	0.01	18	5	<10	2	ATKBH5910, 4.8m; ATKBH5907, 7.5m
Aliphatic TPH >C12-C16	mg/l	0.005	0.01	18	<5	<10	0	
Aliphatic TPH >C16-C21	mg/l	0.005	0.01	18	<5	<10	0	
Aliphatic TPH >C21-C35	mg/l	0.005	0.01	18	<5	12	2	ATKBH5907, 7.5m; BH4455, 5.5m
Total Aliphatics	mg/l	0.005	No WSV	18	<5	27	0	
Aromatic TPH >C5-C7	mg/l	0.001	0.01	18	1	3	3	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m
Aromatic TPH >C7-C8	mg/l	0.001	0.01	18	1	1	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m
Aromatic TPH >C8-C10	mg/l	0.005	0.01	18	<1	75	4	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m
Aromatic TPH >C10-C12	mg/l	0.005	0.01	18	<5	77	6	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5910, 6.15m
Aromatic TPH >C12-C16	mg/l	0.005	0.01	18	<5	139	7	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m; ATK BH5910, 6.15m
Aromatic TPH >C16-C21	mg/l	0.005	0.01	18	<5	67	6	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m; ATK BH5907, 10m
Aromatic TPH >C21-C35	mg/l	0.01	0.01	18	<10	42	5	ATKBH5906, 8.4m; ATKBH5910, 4.8m; BH4462, 7.9m; ATKBH5907, 7.5m; BH4455, 5.5m
Total Aromatics	mg/l	0.01	No WSV	18	<10	379	0	
TPH (Ali & Aro >C5-C35)	mg/l	0.01	No WSV	18	<10	406	0	
Benzene	mg/l	0.001	0.01	18	1	3	3	ATKBH5906, 8.4m; ATKBH5910, 4.8m; ATKBH5907, 7.5m
Toluene	mg/l	0.001	0.074	18	1	1	2	ATKBH5906, 8.4m; ATKBH5910, 4.8m
Ethyl Benzene	mg/l	0.001	No WSV	18	1	1	0	
m & p Xylene	mg/l	0.001	No WSV	18	<1	<1	0	
o Xylene	mg/l	0.001	No WSV	18	<1	<1	0	
MTBE	mg/l	0.001	No WSV	18	<1	<1	0	
VOCs								
Dichlorodifluoromethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Chloromethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Vinyl Chloride	mg/l	0.000001	N/A	18	<1	<1	0	
Bromomethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Chloroethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Trichlorofluoromethane	mg/l	0.000001	No WSV	18	<1	<1	0	
1,1-dichloroethylene	mg/l	0.000001	N/A	18	<1	<1	0	
Methylene Chloride	mg/l	0.000001	No WSV	18	<1	<1	0	
Cis-1,2-dichloroethene	mg/l	0.000001	No WSV	18	<1	11.3	0	
Trans-1,2-dichloroethylene	mg/l	0.000001	N/A	18	<1	<1	0	
1,1-dichloroethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Cis-1,2-dichloroethylene	mg/l	0.000001	N/A	18	<1	<1	0	
2,2-dichloropropane	mg/l	0.000001	No WSV	18	<1	<1	0	
Bromochloromethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Chloroform	mg/l	0.000001	0.0025	18	<1	<1	0	
1,1,1-trichloroethane	mg/l	0.000001	0.1	18	<1	<1	0	
1,1-dichloropropene	mg/l	0.000001	No WSV	18	<1	<1	0	
Carbon tetrachloride	mg/l	0.000001	0.012	18	<1	<1	0	
Benzene	mg/l	0.000001	0.01	18	<1	<1	0	
1,2-dichloroethane	mg/l	0.000001	0.01	18	<1	<1	0	
Trichloroethylene	mg/l	0.000001	0.01	18	<1	<1	0	
1,2-dichloropropane	mg/l	0.000001	N/A	18	<1	<1	0	
Dibromomethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Bromodichloromethane	mg/l	0.000001	N/A	18	<1	<1	0	
cis-1,3-dichloropropene	mg/l	0.000001	No WSV	18	<1	<1	0	
Toluene	mg/l	0.000001	0.074	18	<1	<1	0	
trans-1,3-dichloropropene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,1,2-trichloroethane	mg/l	0.000001	0.4	18	<1	<1	0	
Tetrachloroethylene	mg/l	0.000001	0.01	18	<1	<1	0	
1,3-dichloropropane	mg/l	0.000001	No WSV	18	<1	<1	0	
Dibromochloromethane	mg/l	0.000001	N/A	18	<1	<1	0	
1,2-dibromoethane	mg/l	0.000001	N/A	18	<1	<1	0	
Chlorobenzene	mg/l	0.000001	N/A	18	<1	<1	0	
1,1,1,2-tetrachloroethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Ethylbenzene	mg/l	0.000001	0.02	18	<1	<1	0	
m+p-Xylene	mg/l	0.000001	No WSV	18	<1	<1	0	
o-Xylene	mg/l	0.000001	See Xylenes (total)	18	<1	<1	0	
Styrene	mg/l	0.000001	0.05	18	<1	<1	0	
Bromoform	mg/l	0.000001	N/A	18	<1	<1	0	
Isopropylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,1,2,2-tetrachloroethane	mg/l	0.000001	No WSV	18	<1	<1	0	
Bromobenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,2,3-trichloropropane	mg/l	0.000001	No WSV	18	<1	<1	0	
n-propylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
2-chlorotoluene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,3,5-trimethylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
4-chlorotoluene	mg/l	0.000001	No WSV	18	<1	<1	0	
Tert-butylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,2,4-trimethylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
sec-butylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
p-isopropyltoluene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,3-dichlorobenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,4-dichlorobenzene	mg/l	0.000001	0.02	18	<1	<1	0	
n-butylbenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
1,2-dichlorobenzene	mg/l	0.000001	0.02	18	<1	<1	0	
1,2-dibromo-3-chloropropane	mg/l	0.000001	N/A	18	<1	<1	0	
1,2,4-trichlorobenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
Hexachlorobutadiene	mg/l	0.000001	0.0006	18	<1	<1	0	
Naphthalene	mg/l	0.000001	0.002	18	<1	<1	0	
1,2,3-trichlorobenzene	mg/l	0.000001	No WSV	18	<1	<1	0	
MTBE	mg/l	0.000001	No WSV	18	<1	<1	0	
SVOCs								
Aniline	mg/l	0.00005	No WSV	18	<0.05	3.3	0	
Phenol	mg/l	0.00005	0.0077	18	<0.05	16	3	BH4455, 6m; BH4455, 6m; ATK BH5910, 6.2m
2-Chlorophenol	mg/l	0.00005	0.05	18	<0.05	<0.05	0	
Bis(2-chloroethyl)ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
1,3-Dichlorobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
1,2-Dichlorobenzene	mg/l	0.00005	0.02	18	<0.05	<0.05	0	
1,4-Dichlorobenzene	mg/l	0.00005	0.02	18	<0.05	<0.05	0	
Bis(2-chloroisopropyl)ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
2-Methylphenol	mg/l	0.00005	No WSV	18	<0.05	7.7	0	
Hexachloroethane	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Nitrobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
4-Methylphenol	mg/l	0.00005	No WSV	18	<0.05	2.5	0	
Isophorone	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
2-Nitrophenol	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
2,4-Dimethylphenol	mg/l	0.00005	No WSV	18	<0.05	3.6	0	
Bis(2-chloroethoxy)methane	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
1,2,4-Trichlorobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Naphthalene	mg/l	0.00001	0.002	18	<0.01	3.1	6	ATK BH5910, 6.15m; ATK BH5906, 10.3m; BH4455, 6m; ATK BH5906, 10.3m; BH4455, 6m; ATK BH5910, 6.2m
2,4-Dichlorophenol	mg/l	0.00005	0.0042	18	<0.05	<0.05	0	
4-Chloroaniline	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Hexachlorobutadiene	mg/l	0.00005	0.0006	18	<0.05	<0.05	0	
4-Chloro-3-methylphenol	mg/l	0.00005	0.04	18	<0.05	<0.05	0	
2,4,6-Trichlorophenol	mg/l	0.00005	N/A	18	<0.05	<0.05	0	
2,4,5-Trichlorophenol	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
2-Methylnaphthalene	mg/l	0.00005	No WSV	18	<0.05	0.41	0	
2-Chloronaphthalene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Dimethylphthalate	mg/l	0.00005	0.8	18	<0.05	<0.05	0	
2,6-Dinitrotoluene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Acenaphthylene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Acenaphthene	mg/l	0.00001	Screen BaP only	18	<0.01	3.1	0	
2,4-Dinitrotoluene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Dibenzofuran	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
4-Chlorophenyl phenyl ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Diethyl phthalate	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
4-Nitroaniline	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Fluorene	mg/l	0.00001	N/A	18	<0.01	2.1	0	
Azobenzene	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Bromophenyl phenyl ether	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Hexachlorobenzene	mg/l	0.00005	0.00005	18	<0.05	<0.05	0	
Phenanthrene	mg/l	0.00001	Screen BaP only	18	<0.01	3.1	0	
Anthracene	mg/l	0.00001	0.0001	18	<0.01	0.6	2	ATK BH5906, 10.3m; ATK BH5906, 10.3m
Carbazole	mg/l	0.00005	No WSV	18	<0.05	3.2	0	
Dibutyl phthalate	mg/l	0.00005	0.008	18	<0.05	<0.05	0	
Anthraquinone	mg/l	0.00005	No WSV	18	<0.05	0.81	0	

Assessment Criteria :								*Manual SSAC*
CaCO (mg/l):	102.00				pH	6.96		
Calcium (mg/l):	27.00				DOC (mg/l)	4.90	Catchment area:	Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
Fluoranthene	mg/l	0.00001	0.0000063	18	<0.01	0.67	2	ATK BH5906, 10.3m; ATK BH5906, 10.3m
Pyrene	mg/l	0.00001	N/A	18	<0.01	0.43	0	
Butyl benzyl phthalate	mg/l	0.00005	No WSV	18	<0.05	<0.05	0	
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Chrysene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
Benzo(a)pyrene	mg/l	0.00001	0.00000017	18	<0.01	<0.01	0	
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	No WSV	18	<0.01	<0.01	0	
Dibenz(a,h)anthracene	mg/l	0.00001	N/A	18	<0.01	<0.01	0	
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	18	<0.01	<0.01	0	
3&4-Methylphenol	mg/l	0.0001	No WSV	18	<0.1	2.5	0	
Methane	mg/L	0.1	No WSV	18	<0.1	12	0	

	BH1	BH2	BH3	BH4	BH5	BH6	BH101	BH103	BH4454	BH4455	BH4456	BH4458	BH4459	BH4460	BH4461	BH4462	BH4485	BH7	BH4486	ATK BH5907	ATK BH5910	BH4463	QAQC1
	6m	5.5m	5.5m	5.5m	5m	4.5m	6m	5.75m	6m	6m	5m	6.2m	8.75m	13.75m	11.25m	9.25m	4.2m	4.35m	5.1m	10m	6.2m	6.8m	None Supplied/m
	12/05/2022	11/05/2022	11/05/2022	11/05/2022	12/05/2022	12/05/2022	12/05/2022	12/05/2022	11/05/2022	11/05/2022	11/05/2022	11/05/2022	11/05/2022	12/05/2022	12/05/2022	12/05/2022	12/05/2022	13/05/2022	13/05/2022	09/08/2022	09/08/2022	09/08/2022	09/08/2022

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Assessment Criteria : *Manual SSAC*

CaCO (mg/l): 102.00 **pH** 6.96

Calcium (mg/l): 27.00 **DOC (mg/l)** 4.90 **Catchment area:** Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	Zone	POND SAMPLE	CANAL SAMPLE
Depth										4.5m	6m
Date										20/01/2021	20/01/2021
Strata										Coal Measures	Clay, sand & Gravel
pH	pH	0.01	6-9	49	6.5	7.8	0			7.68	7.11
pH BRE	pH	0.01	No WSV	47	0	0	0			-	-
Hardness Total			No WSV	48	43	43	0			-	43
Ammoniacal nitrogen as N	mg/l	0.02	0.2	48	<0.015	0.94	2	SW3, 3.5m; S3		0.11	-
Ammonia (Free Unionised) as N (w) at 25degC	mg/l	0.000036	No WSV	48	64	64	0			64	-
Ammonia / Ammoniacal Nitrogen as NH3	mg/l	0.024	No WSV	47	0	0	0			-	-
Sulphate	mg/l	1	400	48	<0.005	74	0			<0.005	-
Sulphate BRE	mg/l	1	No WSV	48	0.005	<0.005	0			<0.005	-
Cyanide (free)	mg/l	0.005	0.001	48	3.4	3.4	1	CANAL SAMPLE, 6m		-	3.4
Cyanide (total)	mg/l	0.005	N/A	48	1	<1	0			<1	-
Antimony	mg/l	0.001	N/A	48	1	<1	0			<1	-
Arsenic	mg/l	0.001	0.05	48	41	41	1	POND SAMPLE, 4.5m		41	-
Boron	mg/l	0.01	2	48	0.2	<0.2	0			<0.2	-
Cadmium	mg/l	0.0002	0.00015	48	0.03	12	3	CANAL SAMPLE, 6m; S1, 5m; S2, 5m		-	12
Copper	mg/l	0.001	0.01883	48	1.6	14	13	POND SAMPLE, 4.5m; S1, 5m; S2, 5m; S3, 5m; S4; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4		14	-
Chromium	mg/l	0.001	See Cr VI as first pass	48	<0.25	1.1	0			<1	-
Chromium	mg/l	0.01	See Cr VI as first pass	48	0.02	<0.02	0			<0.02	-
Lead	mg/l	0.001	0.0012	48	<0.09	<1	9	S1, 5m; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4		<1	-
Magnesium	mg/l	1	N/A	48	5.8	17	0			12	-
Mercury	mg/l	0.0001	0.00007	48	0.1	<0.1	0			<0.1	-
Nickel	mg/l	0.001	0.01448	48	1	4.9	13	POND SAMPLE, 4.5m; S1, 5m; S2, 5m; S3, 5m; S4; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4		1	-
Potassium	mg/l	1.2	N/A	48	3.7	9.6	0			7	-
Selenium	mg/l	0.001	N/A	48	1	<1	0			<1	-
Zinc	mg/l	0.001	0.0247	48	5	440	13	POND SAMPLE, 4.5m; S1, 5m; S2, 5m; S3, 5m; S4; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4		5	-
PAH 16MS											
Acenaphthene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0			<0.01	-
Acenaphthylene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0			<0.01	-
Anthracene	mg/l	0.00001	0.0001	48	0.01	<0.01	0			<0.01	-
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0			<0.01	-
Benzo(a)pyrene	mg/l	0.00001	0.00000017	48	0.01	<0.01	0			<0.01	-
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0			<0.01	-
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0			<0.01	-
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0			<0.01	-
Chrysene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0			<0.01	-
Dibenzo(ah)anthracene	mg/l	0.00001	No WSV	48	0.01	<0.01	0			<0.01	-
Fluoranthene	mg/l	0.00001	0.0000063	48	0.01	<0.01	0			<0.01	-
Fluorene	mg/l	0.00001	N/A	48	0.01	<0.01	0			<0.01	-
Indeno(123-cd)pyrene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0			<0.01	-
Naphthalene	mg/l	0.00001	0.002	48	0.01	<0.01	0			<0.01	-
Phenanthrene	mg/l	0.00001	Screen BaP only	48	0.01	0.01	0			0.01	-
Pyrene	mg/l	0.00001	N/A	48	0.01	<0.01	0			<0.01	-
Total PAH 16MS	mg/l	0.00001	No WSV	48	0.01	0.01	0			0.01	-
SVOC (excluding PAH-16)											
2,4,5-Trichlorophenol	mg/l	0.001	No WSV	48	1	<1	0			<1	-
2,4,6-Trichlorophenol	mg/l	0.001	N/A	48	1	<1	0			<1	-
2,4-Dichlorophenol	mg/l	0.001	0.0042	48	1	<1	0			<1	-
2,4-Dimethylphenol	mg/l	0.001	No WSV	48	1	<1	0			<1	-
2,4-Dinitrotoluene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
2,6-Dinitrotoluene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
2-Chloronaphthalene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
2-Chlorophenol	mg/l	0.001	0.05	48	1	<1	0			<1	-
2-Methylnaphthalene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
2-Methylphenol	mg/l	0.001	No WSV	48	1	<1	0			<1	-
2-Nitrophenol	mg/l	0.001	No WSV	48	1	<1	0			<1	-
4-Bromophenyl phenyl ether	mg/l	0.001	No WSV	48	1	<1	0			<1	-
4-Chloro-3-methylphenol	mg/l	0.001	0.04	48	1	<1	0			<1	-
Bis(2-chloroisopropyl)ether	mg/l	0.001	No WSV	48	1	<1	0			<1	-
3+4-Methylphenol	mg/l	0.001	No WSV	48	1	<1	0			<1	-
4-Nitrophenol	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Bis(2-chloroethyl)ether	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Bis(2-chloroethoxy)methane	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Bis(2-ethylhexyl)phthalate	mg/l	0.01	No WSV	48	10	<10	0			<10	-
Butylbenzyl phthalate	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Carbazole	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Dibenzofuran	mg/l	0.001	No WSV	48	1	<1	0			<1	-
n-Dibutylphthalate	mg/l	0.001	No WSV	48	1	<1	0			<1	-
n-Dioctylphthalate	mg/l	0.01	No WSV	48	10	<10	0			<10	-
n-Nitroso-n-dipropylamine	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Diethyl phthalate	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Dimethyl phthalate	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Hexachlorobenzene	mg/l	0.001	0.00005	48	1	<1	0			<1	-
Pentachlorophenol (SVOC)	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Phenol	mg/l	0.001	0.0077	48	1	<1	0			<1	-
Hexachloroethane	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Nitrobenzene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Isophorone	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Hexachlorocyclopentadiene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Perylene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
VOC	mg/l	0	No WSV	49	0	0	0				
Dichlorodifluoromethane	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Chloromethane	mg/l	0.01	No WSV	48	<1	<10	0			<10	-
Vinyl Chloride	mg/l	0.001	N/A	48	1	<1	0			<1	-
Bromomethane	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Chloroethane	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Trichlorofluoromethane	mg/l	0.001	No WSV	48	1	<1	0			<1	-
trans 1,2-Dichloroethene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Dichloromethane	mg/l	0.005	0.02	48	5	<5	0			<5	-
Carbon Disulphide	mg/l	0.001	No WSV	48	1	<1	0			<1	-
1,1-Dichloroethene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
1,1-Dichloroethane	mg/l	0.001	No WSV	48	1	<1	0			<1	-
cis 1,2-Dichloroethene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Bromochloromethane	mg/l	0.005	No WSV	48	<4	<5	0			<5	-
Chloroform	mg/l	0.001	0.0025	48	1	<1	0			<1	-
2,2-Dichloropropane	mg/l	0.001	No WSV	48	1	<1	0			<1	-
1,2-Dichloroethane	mg/l	0.002	0.01	48	<1	<2	0			<2	-
1,1,1-Trichloroethane	mg/l	0.001	0.1	48	1	<1	0			<1	-
1,1-Dichloropropene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Benzene	mg/l	0.001	0.01	48	1	<1	0			<1	-
Carbon Tetrachloride	mg/l	0.001	0.012	48	1	<1	0			<1	-
Dibromomethane	mg/l	0.001	No WSV	48	1	<1	0			<1	-
1,2-Dichloropropane	mg/l	0.001	N/A	48	1	<1	0			<1	-
Bromodichloromethane	mg/l	0.01	N/A	48	<4	<10	0			<10	-
Trichloroethene	mg/l	0.001	0.01	48	1	<1	0			<1	-
cis 1,3-Dichloropropene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
trans 1,3-Dichloropropene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
1,1,2-Trichloroethane	mg/l	0.001	0.4	48	1	<1	0			<1	-
Toluene	mg/l	0.001	0.074	48	1	<1	0			<1	-
1,3-Dichloropropane	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Dibromochloromethane	mg/l	0.003	N/A	48	<1	<3	0			<3	-
1,2-Dibromoethane	mg/l	0.001	N/A	48	1	<1	0			<1	-
Tetrachloroethene	mg/l	0.001	0.01	48	1	<1	0			<1	-
1,1,1,2-Tetrachloroethane	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Chlorobenzene	mg/l	0.001	N/A	48	1	<1	0			<1	-
Ethylbenzene	mg/l	0.001	0.02	48	1	<1	0			<1	-
m & p Xylene	mg/l	0.001	No WSV	48	1	<2	0			<1	-
Bromoform	mg/l	0.001	N/A	48	1	<1	0			<1	-
Styrene	mg/l	0.001	0.05	48	1	<1	0			<1	-
1,1,2,2-Tetrachloroethane	mg/l	0.001	No WSV	48	1	<1	0			<1	-
o-Xylene	mg/l	0.001	See Xylenes (total)	48	1	<1	0			<1	-
1,2,3-Trichloropropane	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Isopropylbenzene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
Bromobenzene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
2-Chlorotoluene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
n-propylbenzene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
4-Chlorotoluene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
1,2,4-Trimethylbenzene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
4-Isopropyltoluene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
1,3,5-Trimethylbenzene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
1,2-Dichlorobenzene	mg/l	0.001	0.02	48	1	<1	0			<1	-
1,4-Dichlorobenzene	mg/l	0.001	0.02	48	1	<1	0			<1	-
sec-Butylbenzene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
tert-Butylbenzene	mg/l	0.002	No WSV	48	<1	<2	0			<2	-
1,3-Dichlorobenzene	mg/l	0.001	No WSV	48	1	<2	0			<1	-
n-butylbenzene	mg/l	0.001	No WSV	48	1	<1	0			<1	-
1,2-Dibromo-3-chloropropane	mg/l	0.002	N/A	48	<1	<2	0			<2	-
1,2,4-Trichlorobenzene	mg/l	0.003	No WSV	48	<1	<3	0			<3	-
1,2,3-Trichlorobenzene	mg/l	0.003	No WSV	48	<1	<3	0			<3	-
Hexachlorobutadiene	mg/l	0.001	0.0006	48	1	<1	0			<1	-
TPH CWG											
Aliphatic TPH >C5-C6	mg/l	0.001	0.01	48	1	<1	0			<1	-
Aliphatic TPH >C6-C8	mg/l	0.001	0.01	48	1	<1	0			<1	-
Aliphatic TPH >C8-C10	mg/l	0.005	0.01	48	10	<10	0			<10	-
Aliphatic TPH >C10-C12	mg/l	0.005	0.01	48	5	<5	0			<5	-
Aliphatic TPH >C12-C16	mg/l	0.005	0.01	48	5	<5	0			<5	-
Aliphatic TPH >C16-C21	mg/l	0.005	0.01	48	5	<5	0			<5	-
Aliphatic TPH >C21-C35	mg/l	0.005	0.01	48	9	9	1	POND SAMPLE, 4.5m		9	-
Total Aliphatics	mg/l	0.005	No WSV	48	14	14	0			14	-
Aromatic TPH >C5-C7	mg/l	0.001	0.01	48	1	<1	0			<1	-
Aromatic TPH >C7-C8	mg/l	0.001	0.01	48	1	<1	0			<1	-
Aromatic TPH >C8-C10	mg/l	0.005	0.01	48	10	<10	0			<10	-

Sample ID	SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4	D1	SW1	SW2	SW3	SW4	D1	SW1	SW2	SW3	SW4	D1
Depth	4.5m	4m	3.5m	3.5m	4m	3m	3m	3.5m	3m	4.5m	5m	8.4m	6.9m	4.8m	7.9m	13.2m	7.5m	5.5m	20.5m
Date	16/10/2019	16/10/2019	16/10/2019	16/10/2019	18/12/2018	18/12/2018	18/12/2018	18/12/2018	18/12/2018	25/01/2019	25/01/2019	25/01/2019	25/01/2019	25/01/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019
Strata	Clay & Gravel	Gravel & Clay	Clay & Gravel	Clay & Gravel	Gravel	Clay & Gravel	Sand & Gravel	Gravel	Clay, Sand & Gravel	Gravel	Clay & Gravel	Landfill	Landfill	Landfill	Landfill	Gravel	Landfill	Landfill	Coal Measures
pH	7.2	6.7	6.9	7.2	7.8	7.6	7.4	7.3	7.2	7.5	7.3	7.2	7.2	7.4	7	7.2	7.1	7.2	7.3
Ammoniacal nitrogen as N	<0.015	0.15	0.94	<0.015	<0.015	<0.015	0.15	<0.015	0.099	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Dichlorodifluoromethane	<1	<1	<1	<1															
Chloromethane	<1	<1	<1	<1															
Vinyl Chloride	<1	<1	<1	<1															
Bromomethane	<1	<1	<1	<1															
Chloroethane	<1	<1	<1	<1															
Trichlorofluoromethane	<1	<1	<1	<1															
1,1-Dichloroethane	<1	<1	<1	<1															
Bromochloromethane	<4	<4	<4	<4															
Chloroform	<1	<1	<1	<1															
1,2-Dichloroethane	<1	<1	<1	<1															
1,1,1-Trichloroethane	<1	<1	<1	<1															
1,1-Dichloropropene	<1	<1	<1	<1															
Benzene	<1	<1	<1	<1															
Carbon Tetrachloride	<1	<1	<1	<1															
Dibromomethane	<1	<1	<1	<1															
1,2-Dichloropropane	<1	<1	<1	<1															
Bromodichloromethane	<4	<4	<4	<4															
cis 1,3-Dichloropropene	<1	<1	<1	<1															
trans 1,3-Dichloropropene	<1	<1	<1	<1															
1,1,2-Trichloroethane	<1	<1	<1	<1															
Toluene	<1	<1	<1	<1															
1,3-Dichloropropane	<1	<1	<1	<1															
Dibromochloromethane	<1	<1	<1	<1															
1,2-Dibromoethane	<1	<1	<1	<1															
1,1,1,2-Tetrachloroethane	<1	<1	<1	<1															
Chlorobenzene	<1	<1	<1	<1															
Ethylbenzene	<1	<1	<1	<1															
m & p Xylene	<2	<2	<2	<2															
Bromoform	<1	<1	<1	<1															
Styrene	<1	<1	<1	<1															
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1															
o-Xylene	<1	<1	<1	<1															
1,2,3-Trichloropropane	<1	<1	<1	<1															
Isopropylbenzene	<1	<1	<1	<1															
Bromobenzene	<1	<1	<1	<1															
2-Chlorotoluene	<1	<1	<1	<1															
n-propylbenzene	<1	<1	<1	<1															
4-Chlorotoluene	<1	<1	<1	<1															
1,2,4-Trimethylbenzene	<1	<1	<1	<1															
4-Isopropyltoluene	<1	<1	<1	<1															
1,3,5-Trimethylbenzene	<1	<1	<1	<1															
1,2-Dichlorobenzene	<1	<1	<1	<1															
1,4-Dichlorobenzene	<1	<1	<1	<1															
sec-Butylbenzene	<1	<1	<1	<1															
tert-Butylbenzene	<1	<1	<1	<1															
1,3-Dichlorobenzene	<2	<2	<2	<2															
n-butylbenzene	<1	<1	<1	<1															
1,2-Dibromo-3-chloropropane	<1	<1	<1	<1															
1,2,4-Trichlorobenzene	<1	<1	<1	<1															
1,2,3-Trichlorobenzene	<1	<1	<1	<1															
Hexachlorobutadiene	<1	<1	<1	<1															

Sample ID	S1	S2	S3	S4	S1	S2	S3	S4	SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4
Depth	5m	5m	5m																	
Date	21/03/2019	21/03/2019	21/03/2019	21/03/2019	17/04/2019	17/04/2019	17/04/2019	17/04/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	27/06/2019	27/06/2019	27/06/2019	27/06/2019	17/07/2019	17/07/2019	17/07/2019	17/07/2019
Strata	Sand & Gravel	Clay & Sand	Silt & Sand			Clay & Gravel	Silt & Sand	Clay, sand & Gravel					Clay & Gravel	Silt & Sand						Silt & Sand
pH	7.7	7.6	7.5	7.4	6.5	6.7	6.7	6.7	7.2	7.1	7.1	7.1	7.8	7.7	7.7	7.7	7.4	7.2	7.1	7.2
Ammoniacal nitrogen as N	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.14	0.11	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Sulphate	41	41	41	41					74	73	71	74	50	46	49	45				
Cadmium	0.03	0.05	<0.03	<0.03					<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03				
Copper	2.3	1.8	2.2	1.9					2	2.5	2.3	1.6	2.1	2	2	2				
Chromium	0.76	0.69	0.62	0.62					0.71	0.85	0.93	<0.25	1.1	0.77	0.71	0.68				
Lead	0.23	<0.09	<0.09	<0.09					0.3	0.44	0.93	0.2	0.56	0.46	0.72	0.54				
Magnesium	13	13	17	8.9					6.2	6.3	6.1	11	6.1	5.8	5.9	6				
Nickel	2.2	2.7	2.3	2.4					3.2	3.4	3.2	4.9	2.9	2.3	2.2	2.2				
Potassium	3.9	4.3	3.7	3.8					9.6	9.6	5.8	5	8.5	6.5	8	6.4				
Zinc	9.9	12	7.7	10					23	13	15	440	7.8	8.9	9.2	14				

Assessment Criteria : *Manual SSAC*

CaCO (mg/l): 102.00 **pH** 6.96

Calcium (mg/l): 27.00 **DOC (mg/l)** 4.90 **Catchment area:** Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
Aromatic TPH >C10-C12	mg/l	0.005	0.01	48	5	<5	0	
Aromatic TPH >C12-C16	mg/l	0.005	0.01	48	5	<5	0	
Aromatic TPH >C16-C21	mg/l	0.005	0.01	48	5	<5	0	
Aromatic TPH >C21-C35	mg/l	0.01	0.01	48	28	28	1	POND SAMPLE, 4.5m
Total Aromatics	mg/l	0.01	No WSV	48	34	34	0	
TPH (Ali & Aro >C5-C35)	mg/l	0.01	No WSV	48	48	48	0	
Benzene	mg/l	0.001	0.01	48	1	<1	0	
Toluene	mg/l	0.001	0.074	48	1	<1	0	
Ethyl Benzene	mg/l	0.001	No WSV	48	1	<1	0	
m & p Xylene	mg/l	0.001	No WSV	48	1	<1	0	
o Xylene	mg/l	0.001	No WSV	48	1	<1	0	
MTBE	mg/l	0.001	No WSV	48	1	<1	0	
VOCs								
Dichlorodifluoromethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
Chloromethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
Vinyl Chloride	mg/l	0.000001	N/A	49	<0.001	<0.001	0	
Bromomethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
Chloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
Trichlorofluoromethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
1,1-dichloroethylene	mg/l	0.000001	N/A	49	<0.001	<0.001	0	
Methylene Chloride	mg/l	0.000001	No WSV	49	<0.027	<0.027	0	
Cis-1,2-dichloroethene	mg/l	0.000001	No WSV	49	0	0	0	
Trans-1,2-dichloroethylene	mg/l	0.000001	N/A	49	<0.001	<0.001	0	
1,1-dichloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
Cis-1,2-dichloroethylene	mg/l	0.000001	N/A	49	<0.001	0.017	0	
2,2-dichloropropane	mg/l	0.000001	No WSV	49	<0.002	<0.002	0	
Bromochloromethane	mg/l	0.000001	No WSV	49	<0.004	<0.004	0	
Chloroform	mg/l	0.000001	0.0025	49	<0.001	<0.001	0	
1,1,1-trichloroethane	mg/l	0.000001	0.1	49	<0.001	<0.001	0	
1,1-dichloropropene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
Carbon tetrachloride	mg/l	0.000001	0.012	49	<0.001	<0.001	0	
Benzene	mg/l	0.000001	0.01	49	<0.001	<0.001	0	
1,2-dichloroethane	mg/l	0.000001	0.01	49	<0.001	<0.001	0	
Trichloroethylene	mg/l	0.000001	0.01	49	<0.001	<0.001	0	
1,2-dichloropropane	mg/l	0.000001	N/A	49	<0.001	<0.001	0	
Dibromomethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
Bromodichloromethane	mg/l	0.000001	N/A	49	<0.004	<0.004	0	
cis-1,3-dichloropropene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
Toluene	mg/l	0.000001	0.074	49	<0.001	<0.001	0	
trans-1,3-dichloropropene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
1,1,2-trichloroethane	mg/l	0.000001	0.4	49	<0.001	<0.001	0	
Tetrachloroethylene	mg/l	0.000001	0.01	49	<0.001	<0.001	0	
1,3-dichloropropane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
Dibromochloromethane	mg/l	0.000001	N/A	49	<0.001	<0.001	0	
1,2-dibromoethane	mg/l	0.000001	N/A	49	<0.001	<0.001	0	
Chlorobenzene	mg/l	0.000001	N/A	49	<0.001	<0.001	0	
1,1,1,2-tetrachloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
Ethylbenzene	mg/l	0.000001	0.02	49	<0.001	<0.001	0	
m+p-Xylene	mg/l	0.000001	No WSV	49	<0.002	<0.002	0	
o-Xylene	mg/l	0.000001	See Xylenes (total)	49	<0.001	<0.001	0	
Styrene	mg/l	0.000001	0.05	49	<0.001	<0.001	0	
Bromoform	mg/l	0.000001	N/A	49	<0.001	<0.001	0	
Isopropylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
1,1,2,2-tetrachloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
Bromobenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
1,2,3-trichloropropane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
n-propylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
2-chlorotoluene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
1,3,5-trimethylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
4-chlorotoluene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
Tert-butylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
1,2,4-trimethylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
sec-butylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
p-isopropyltoluene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
1,3-dichlorobenzene	mg/l	0.000001	No WSV	49	<0.002	<0.002	0	
1,4-dichlorobenzene	mg/l	0.000001	0.02	49	<0.001	<0.001	0	
n-butylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
1,2-dichlorobenzene	mg/l	0.000001	0.02	49	<0.001	<0.001	0	
1,2-dibromo-3-chloropropane	mg/l	0.000001	N/A	49	<0.001	<0.001	0	
1,2,4-trichlorobenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
Hexachlorobutadiene	mg/l	0.000001	0.0006	49	<0.001	<0.001	0	
Naphthalene	mg/l	0.000001	0.002	49	<0.001	<0.001	0	
1,2,3-trichlorobenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
MTBE	mg/l	0.000001	No WSV	49	<0.001	<0.001	0	
SVOCs								
Aniline	mg/l	0.00005	No WSV	49	0	0	0	
Phenol	mg/l	0.00005	0.0077	49	0	0	0	
2-Chlorophenol	mg/l	0.00005	0.05	49	0	0	0	
Bis(2-chloroethyl)ether	mg/l	0.00005	No WSV	49	0	0	0	
1,3-Dichlorobenzene	mg/l	0.00005	No WSV	49	0	0	0	
1,2-Dichlorobenzene	mg/l	0.00005	0.02	49	0	0	0	
1,4-Dichlorobenzene	mg/l	0.00005	0.02	49	0	0	0	
Bis(2-chloroisopropyl)ether	mg/l	0.00005	No WSV	49	0	0	0	
2-Methylphenol	mg/l	0.00005	No WSV	49	0	0	0	
Hexachloroethane	mg/l	0.00005	No WSV	49	0	0	0	
Nitrobenzene	mg/l	0.00005	No WSV	49	0	0	0	
4-Methylphenol	mg/l	0.00005	No WSV	49	0	0	0	
Isophorone	mg/l	0.00005	No WSV	49	0	0	0	
2-Nitrophenol	mg/l	0.00005	No WSV	49	0	0	0	
2,4-Dimethylphenol	mg/l	0.00005	No WSV	49	0	0	0	
Bis(2-chloroethoxy)methane	mg/l	0.00005	No WSV	49	0	0	0	
1,2,4-Trichlorobenzene	mg/l	0.00005	No WSV	49	0	0	0	
Naphthalene	mg/l	0.00001	0.002	49	0	0	0	
2,4-Dichlorophenol	mg/l	0.00005	0.0042	49	0	0	0	
4-Chloroaniline	mg/l	0.00005	No WSV	49	0	0	0	
Hexachlorobutadiene	mg/l	0.00005	0.0006	49	0	0	0	
4-Chloro-3-methylphenol	mg/l	0.00005	0.04	49	0	0	0	
2,4,6-Trichlorophenol	mg/l	0.00005	N/A	49	0	0	0	
2,4,5-Trichlorophenol	mg/l	0.00005	No WSV	49	0	0	0	
2-Methylnaphthalene	mg/l	0.00005	No WSV	49	0	0	0	
2-Chloronaphthalene	mg/l	0.00005	No WSV	49	0	0	0	
Dimethylphthalate	mg/l	0.00005	0.8	49	0	0	0	
2,6-Dinitrotoluene	mg/l	0.00005	No WSV	49	0	0	0	
Acenaphthylene	mg/l	0.00001	Screen BaP only	49	0	0	0	
Acenaphthene	mg/l	0.00001	Screen BaP only	49	0	0	0	
2,4-Dinitrotoluene	mg/l	0.00005	No WSV	49	0	0	0	
Dibenzofuran	mg/l	0.00005	No WSV	49	0	0	0	
4-Chlorophenyl phenyl ether	mg/l	0.00005	No WSV	49	0	0	0	
Diethyl phthalate	mg/l	0.00005	No WSV	49	0	0	0	
4-Nitroaniline	mg/l	0.00005	No WSV	49	0	0	0	
Fluorene	mg/l	0.00001	N/A	49	0	0	0	
Azobenzene	mg/l	0.00005	No WSV	49	0	0	0	
Bromophenyl phenyl ether	mg/l	0.00005	No WSV	49	0	0	0	
Hexachlorobenzene	mg/l	0.00005	0.00005	49	0	0	0	
Phenanthrene	mg/l	0.00001	Screen BaP only	49	0	0	0	
Anthracene	mg/l	0.00001	0.0001	49	0	0	0	
Carbazole	mg/l	0.00005	No WSV	49	0	0	0	
Dibutyl phthalate	mg/l	0.00005	0.008	49	0	0	0	
Anthraquinone	mg/l	0.00005	No WSV	49	0	0	0	
Fluoranthene	mg/l	0.00001	0.0000063	49	0	0	0	
Pyrene	mg/l	0.00001	N/A	49	0	0	0	
Butyl benzyl phthalate	mg/l	0.00005	No WSV	49	0	0	0	
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	49	0	0	0	
Chrysene	mg/l	0.00001	Screen BaP only	49	0	0	0	
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	49	0	0	0	
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	49	0	0	0	
Benzo(a)pyrene	mg/l	0.00001	0.00000017	49	0	0	0	
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	No WSV	49	0	0	0	
Dibenz(a,h)anthracene	mg/l	0.00001	N/A	49	0	0	0	
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	49	0	0	0	
3&4-Methylphenol	mg/l	0.0001	No WSV	49	0	0	0	
Methane	mg/L	0.1	No WSV	49	0	0	0	

Sample ID	POND SAMPLE	CANAL SAMPLE	SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4	D1
Depth	4.5m	6m	4.5m	4m	3.5m	3.5m	4m	3m	3m	3.5m	3m
Date	20/01/2021	20/01/2021	16/10/2019	16/10/2019	16/10/2019	16/10/2019	18/12/2018	18/12/2018	18/12/2018	18/12/2018	18/12/2018
Strata	Coal Measures	Clay, sand & Gravel	Clay & Gravel	Gravel & Clay	Clay & Gravel	Clay & Gravel	Gravel	Clay & Gravel	Sand & Gravel	Gravel	Clay, Sand & Gravel
Aromatic TPH >C10-C12	<5	-									
Aromatic TPH >C12-C16	<5	-									
Aromatic TPH >C16-C21	<5	-									
Aromatic TPH >C21-C35	28	-									
Total Aromatics	34	-									
TPH (Ali & Aro >C5-C35)	48	-									
Benzene	<1	-									
Toluene	<1	-									
Ethyl Benzene	<1	-									
m & p Xylene	<1	-									
o Xylene	<1	-									
MTBE	<1	-									
VOCs											
Dichlorodifluoromethane							<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane							<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl Chloride							<0.001	<0.001	<0.001	<0.001	<0.001
Bromomethane							<0.001	<0.001	<0.001	<0.001	<0.001
Chloroethane							<0.001	<0.001	<0.001	<0.001	<0.001
Trichlorofluoromethane							<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloroethylene							<0.001	<0.001	<0.001	<0.001	<0.001
Methylene Chloride							<0.027	<0.027	<0.027	<0.027	<0.027
Cis-1,2-dichloroethene											
Trans-1,2-dichloroethylene							<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloroethane							<0.001	<0.001	<0.001	<0.001	<0.001
Cis-1,2-dichloroethylene							<0.001	<0.001	<0.001	<0.001	0.017
2,2-dichloropropane							<0.002	<0.002	<0.002	<0.002	<0.002
Bromochloromethane							<0.004	<0.004	<0.004	<0.004	<0.004
Chloroform							<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-trichloroethane							<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloropropene							<0.001	<0.001	<0.001	<0.001	<0.001
Carbon tetrachloride							<0.001	<0.001	<0.001	<0.001	<0.001
Benzene							<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dichloroethane							<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethylene							<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dichloropropane							<0.001	<0.001	<0.001	<0.001	<0.001
Dibromomethane							<0.001	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane							<0.004	<0.004	<0.004	<0.004	<0.004
cis-1,3-dichloropropene							<0.001	<0.001	<0.001	<0.001	<0.001
Toluene							<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene							<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-trichloroethane							<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethylene							<0.001	<0.001	<0.001	<0.001	<0.001
1,3-dichloropropane							<0.001	<0.001	<0.001	<0.001	<0.001
Dibromochloromethane							<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dibromoethane							<0.001	<0.001	<0.001	<0.001	<0.001
Chlorobenzene							<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1,2-tetrachloroethane							<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene							<0.001	<0.001	<0.001	<0.001	<0.001
m+p-Xylene							<0.002	<0.002	<0.002	<0.002	<0.002
o-Xylene							<0.001	<0.001	<0.001	<0.001	<0.001
Styrene							<0.001	<0.001	<0.001	<0.001	<0.001
Bromoform							<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene							<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-tetrachloroethane							<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene							<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-trichloropropane							<0.001	<0.001	<0.001	<0.001	<0.001
n-propylbenzene							<0.001	<0.001	<0.001	<0.001	<0.001
2-chlorotoluene							<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-trimethylbenzene							<0.001	<0.001	<0.001	<0.001	<0.001
4-chlorotoluene							<0.001	<0.001	<0.001	<0.001	<0.001
Tert-butylbenzene							<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-trimethylbenzene							<0.001	<0.001	<0.001	<0.001	<0.001
sec-butylbenzene							<0.001	<0.001	<0.001	<0.001	<0.001
p-isopropyltoluene							<0.001	<0.001	<0.001	<0.001	<0.001
1,3-dichlorobenzene							<0.002	<0.002	<0.002	<0.002	<0.002
1,4-dichlorobenzene							<0.001	<0.001	<0.001	<0.001	<0.001
n-butylbenzene							<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dichlorobenzene							<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dibromo-3-chloropropane							<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-trichlorobenzene							<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobutadiene							<0.001	<0.001	<0.001	<0.001	<0.001
Naphthalene							<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-trichlorobenzene							<0.001	<0.001	<0.001	<0.001	<0.001
MTBE							<0.001	<0.001	<0.001	<0.001	<0.001

Sample ID	SW1	SW2	SW3	SW4	D1	SW1	SW2	SW3	SW4	D1	S1	S2	S3
Depth	4.5m	5m	8.4m	6.9m	4.8m	7.9m	13.2m	7.5m	5.5m	20.5m	5m	5m	5m
Date	25/01/2019	25/01/2019	25/01/2019	25/01/2019	25/01/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	21/03/2019	21/03/2019	21/03/2019
Strata	Gravel	Clay & Gravel	Landfill	Landfill	Landfill	Landfill	Gravel	Landfill	Landfill	Coal Measures	Sand & Gravel	Clay & Sand	Silt & Sand
Dichlorodifluoromethane		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl Chloride		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromomethane		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroethane		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichlorofluoromethane		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloroethylene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Methylene Chloride		<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027
Cis-1,2-dichloroethene													
Trans-1,2-dichloroethylene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloroethane		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cis-1,2-dichloroethylene		<0.001	<0.001	<0.001	0.01	<0.001	<0.001	<0.001	<0.001	0.014	<0.001	<0.001	<0.001
2,2-dichloropropane		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromochloromethane		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chloroform		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-trichloroethane		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloropropene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon tetrachloride		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dichloroethane		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethylene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dichloropropane		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromomethane		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
cis-1,3-dichloropropene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-trichloroethane		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethylene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-dichloropropane		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromochloromethane		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dibromoethane		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorobenzene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1,2-tetrachloroethane		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
m+p-Xylene		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
o-Xylene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromoform		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-tetrachloroethane		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-trichloropropane		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-propylbenzene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-chlorotoluene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-trimethylbenzene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-chlorotoluene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tert-butylbenzene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-trimethylbenzene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-butylbenzene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p-isopropyltoluene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-dichlorobenzene		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,4-dichlorobenzene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-butylbenzene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dichlorobenzene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dibromo-3-chloropropane		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-trichlorobenzene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobutadiene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Naphthalene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-trichlorobenzene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MTBE		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Sample ID	S4	S1	S2	S3	S4	SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4
Depth																	
Date	21/03/2019	17/04/2019	17/04/2019	17/04/2019	17/04/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	27/06/2019	27/06/2019	27/06/2019	27/06/2019	17/07/2019	17/07/2019	17/07/2019	17/07/2019
Strata			Clay & Gravel	Silt & Sand	Clay, sand & Gravel					Clay & Gravel	Silt & Sand						Silt & Sand
Dichlorodifluoromethane	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl Chloride	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromomethane	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroethane	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichlorofluoromethane	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloroethylene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Methylene Chloride	<0.027	<0.027	<0.027	<0.027	<0.027		<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027
Cis-1,2-dichloroethene																	
Trans-1,2-dichloroethylene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cis-1,2-dichloroethylene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-dichloropropane	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromochloromethane	<0.004	<0.004	<0.004	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chloroform	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-trichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloropropene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon tetrachloride	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethylene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dichloropropane	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromomethane	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane	<0.004	<0.004	<0.004	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
cis-1,3-dichloropropene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-trichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethylene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-dichloropropane	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromochloromethane	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dibromoethane	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1,2-tetrachloroethane	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
m+p-Xylene	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
o-Xylene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromoform	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-tetrachloroethane	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-trichloropropane	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-propylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-chlorotoluene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-trimethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-chlorotoluene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tert-butylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-trimethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-butylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p-isopropyltoluene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-dichlorobenzene	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,4-dichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-butylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dibromo-3-chloropropane	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-trichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobutadiene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Naphthalene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-trichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MTBE	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

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ATKINS

Assessment Criteria :								*Manual SSAC*
CaCO (mg/l):	102.00			pH	6.96			
Calcium (mg/l):	27.00			DOC (mg/l)	4.90	Catchment area:		Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	SW1	SW2	SW3	SW4	S1	S2	S3	S4	BH4	SW1	SW2	SW3	SW4	D1	S1	S2	S3	S4	BH4	BH101	BH103	BH103	BH4	S1	S2	S3	S4	BH101	BH103	BH4	SW1	SW2	SW3	SW4	BH101	BH4
									13/08/2019	13/08/2019	13/08/2019	13/08/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	25/02/2019	21/03/2019	21/03/2019	21/03/2019	21/03/2019	21/03/2019	21/03/2019	21/03/2019	17/04/2019	17/04/2019	17/04/2019	17/04/2019	17/04/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	27/06/2019	27/06/2019	27/06/2019	27/06/2019	27/06/2019	27/06/2019	17/07/2019	17/07/2019
									Clay, sand & Gravel						Clay & Gravel	Silt & Sand	Clay, sand & Gravel										Clay, sand & Gravel	Clay & Gravel	Silt & Sand	Silt & Sand	Clay, sand & Gravel					Clay & Gravel	Silt & Sand	Clay, sand & Gravel					Clay & Gravel	Clay, sand & Gravel
pH	pH	0.01	6-9	49	6.5	7.8	0		7.5	7.4	7.3	7.3	7.3	7.1	6.8	7.3																													
pH BRE	pH	0.01	No WSV	47	0	0	0																																					
Hardness Total			No WSV	48	43	43	0																																					
Ammoniacal nitrogen as N	mg/l	0.02	0.2	48	<0.015	0.94	2	SW3, 3.5m; S3	<0.015	<0.015	<0.015	<0.015	<0.015	0.068	0.74	0.13																													
Ammonia (Free Unionised) as N (w) at 25degC	mg/l	0.000036	No WSV	48	64	64	0																																					
Ammonia / Ammoniacal Nitrogen as NH3	mg/l	0.024	No WSV	47	0	0	0																																					
Sulphate	mg/l	1	400	48	<0.005	74	0																																					
Sulphate BRE	mg/l	1	No WSV	48	0.005	<0.005	0																																					
Cyanide (free)	mg/l	0.005	0.001	48	3.4	3.4	1	CANAL SAMPLE, 6m																																						
Cyanide (total)	mg/l	0.005	N/A	48	1	<1	0																																					
Antimony	mg/l	0.001	N/A	48	1	<1	0																																					
Arsenic	mg/l	0.001	0.05	48	41	41	1	POND SAMPLE, 4.5m																																						
Boron	mg/l	0.01	2	48	0.2	<0.2	0																																					
Cadmium	mg/l	0.0002	0.00015	48	0.03	12	3	CANAL SAMPLE, 6m; S1, 5m; S2, 5m																																						
Copper	mg/l	0.001	0.01883	48	1.6	14	13	POND SAMPLE, 4.5m; S1, 5m; S2, 5m; S3, 5m; S4; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4																																						
Chromium	mg/l	0.001	See Cr VI as first pass	48	<0.25	1.1	0																																					
Chromium	mg/l	0.01	See Cr VI as first pass	48	0.02	<0.02	0																																					
Lead	mg/l	0.001	0.0012	48	<0.09	<1	9	S1, 5m; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4									0.93																												
Magnesium	mg/l	1	N/A	48	5.8	17	0																																					
Mercury	mg/l	0.0001	0.00007	48	0.1	<0.1	0																																					
Nickel	mg/l	0.001	0.01448	48	1	4.9	13	POND SAMPLE, 4.5m; S1, 5m; S2, 5m; S3, 5m; S4; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4																																						
Potassium	mg/l	1.2	N/A	48	3.7	9.6	0																																					
Selenium	mg/l	0.001	N/A	48	1	<1	0																																					
Zinc	mg/l	0.001	0.0247	48	5	440	13	POND SAMPLE, 4.5m; S1, 5m; S2, 5m; S3, 5m; S4; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4																																						
PAH 16MS																																											
Acenaphthene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0																																					
Acenaphthylene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0																																					
Anthracene	mg/l	0.00001	0.0001	48	0.01	<0.01	0																																					
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0																																					
Benzo(a)pyrene	mg/l	0.00001	0.00000017	48	0.01	<0.01	0																																					
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0																																					
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0																																					
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0																																					
Chrysene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0																																					
Dibenzo(ah)anthracene	mg/l	0.00001	No WSV	48	0.01	<0.01	0																																					
Fluoranthene	mg/l	0.00001	0.0000063	48	0.01	<0.01	0																																					
Fluorene	mg/l	0.00001	N/A	48	0.01	<0.01	0																																					
Indeno(123-cd)pyrene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0																																					
Naphthalene	mg/l	0.00001	0.002	48	0.01	<0.01	0																																					
Phenanthrene	mg/l	0.00001	Screen BaP only	48	0.01	0.01	0																																					
Pyrene	mg/l	0.00001	N/A	48	0.01	<0.01	0																																					
Total PAH 16MS	mg/l	0.00001	No WSV	48	0.01	0.01	0																																					
SVOC (excluding PAH-16)																																											
2,4,5-Trichlorophenol	mg/l	0.001	No WSV	48	1	<1	0																																					
2,4,6-Trichlorophenol	mg/l	0.001	N/A	48	1	<1	0																																					
2,4-Dichlorophenol	mg/l	0.001	0.0042	48	1	<1	0																																					
2,4-Dimethylphenol	mg/l	0.001	No WSV	48	1	<1	0																																					
2,4-Dinitrotoluene	mg/l	0.001	No WSV	48	1	<1	0																																					
2,6-Dinitrotoluene	mg/l	0.001	No WSV	48	1	<1	0																																					
2-Chloronaphthalene	mg/l	0.001	No WSV	48	1	<1	0																																					
2-Chlorophenol	mg/l	0.001	0.05	48	1	<1	0																																					
2-Methylnaphthalene	mg/l	0.001	No WSV	48	1	<1	0																																					
2-Methylphenol	mg/l	0.001	No WSV	48	1	<1	0																																					
2-Nitrophenol	mg/l	0.001	No WSV	48	1	<1	0																																					
4-Bromophenyl phenyl ether	mg/l	0.001	No WSV	48	1	<1	0																																					
4-Chloro-3-methylphenol	mg/l	0.001	0.04	48	1	<1	0																																					
Bis(2-chloroisopropyl)ether	mg/l	0.001	No WSV	48	1	<1	0																																					
3+4-Methylphenol	mg/l	0.001	No WSV	48	1	<1	0																																					
4-Nitrophenol	mg/l	0.001	No WSV	48	1	<1	0																																					
Bis(2-chloroethyl)ether	mg/l	0.001	No WSV	48	1	<1	0																																					
Bis(2-chloroethoxy)methane	mg/l	0.001	No WSV	48	1	<1	0																																					
Bis(2-ethylhexyl)phthalate	mg/l	0.01	No WSV	48	10	<10	0																																					
Butylbenzyl phthalate	mg/l	0.001	No WSV	48	1	<1	0																																					
Carbazole	mg/l	0.001	No WSV	48	1	<1	0																																					
Dibenzofuran	mg/l	0.001	No WSV	48	1	<1	0																																					
n-Dibutylphthalate	mg/l	0.001	No WSV	48	1	<1	0																																					
n-Dioctylphthalate	mg/l	0.01	No WSV	48	10	<10	0																																					
n-Nitroso-n-dipropylamine	mg/l	0.001	No WSV	48	1	<1	0																																					
Diethyl phthalate	mg/l	0.001	No WSV	48	1	<1	0																																					
Dimethyl phthalate	mg/l	0.001	No WSV	48	1	<1	0																																					
Hexachlorobenzene	mg/l	0.001	0.00005	48	1	<1	0																																					
Pentachlorophenol (SVOC)	mg/l	0.001	No WSV	48	1	<1	0																																					
Phenol	mg/l	0.001	0.0077	48	1	<1	0																																					
Hexachloroethane	mg/l	0.001	No WSV	48	1	<1	0																																					
Nitrobenzene	mg/l	0.001	No WSV	48	1	<1	0																																					
Isophorone	mg/l	0.001	No WSV	48	1	<1	0																																					
Hexachlorocyclopentadiene	mg/l	0.001	No WSV	48	1	<1	0																																					
Perylene	mg/l	0.001	No WSV	48	1	<1	0																																					
VOC	mg/l	0	No WSV	49	0	0	0																																					
Dichlorodifluoromethane	mg/l	0.001	No WSV	48	1	<1	0																																					
Chloromethane	mg/l	0.01	No WSV	48	<1	<10	0																																					
Vinyl Chloride	mg/l	0.001	N/A	48	1	<1	0																																					
Bromomethane	mg/l	0.001	No WSV	48	1	<1	0																																					
Chloroethane	mg/l	0.001	No WSV	48	1	<1	0																																					
Trichlorofluoromethane	mg/l	0.001	No WSV	48	1	<1	0																																					
trans 1,2-Dichloroethene	mg/l	0.001	No WSV	48	1	<1	0																																					
Dichloromethane	mg/l	0.005	0.02	48	5	<5	0																																					
Carbon Disulphide	mg/l	0.001	No WSV	48	1	<1	0																																					
1,1-Dichloroethene	mg/l	0.001	No WSV	48	1	<1	0																																					
1,1-Dichloroethane	mg/l	0.001	No WSV	48	1	<1	0																																					
cis 1,2-Dichloroethene	mg/l	0.001	No WSV	48	1	<1	0																																					
Bromochloromethane	mg/l	0.005	No WSV	48	<4	<5	0																																					
Chloroform	mg/l	0.001	0.0025	48	1	<1	0																																					
2,2-Dichloropropane	mg/l	0.001	No WSV	48	1	<1	0																																					
1,2-Dichloroethane	mg/l	0.002	0.01	48	<1	<2	0																																					
1,1,1-Trichloroethane	mg/l	0.001	0.1	48	1	<1	0																																					
1,1-Dichloropropene	mg/l	0.001	No WSV	48	1	<1	0																																					
Benzene	mg/l	0.001	0.01	48	1	<1	0																																					
Carbon Tetrachloride	mg/l	0.001	0.012	48	1	<1	0																																					
Dibromomethane	mg/l	0.001	No WSV	48	1	<1	0																																					
1,2-Dichloropropane	mg/l	0.001	N/A	48	1	<1	0																																					
Bromodichloromethane	mg/l	0.01	N/A	48	<4	<10	0																																					
Trichloroethene	mg/l	0.001	0.01	48	1	<1	0																																					
cis 1,3-Dichloropropene	mg/l	0.001	No WSV	48	1	<1	0																																					
trans 1,3-Dichloropropene	mg/l	0.001	No WSV	48	1	<1	0																																					
1,1,2-Trichloroethane	mg/l	0.001	0.4	48	1	<1	0																																					
Toluene	mg/l	0.001	0.074	48	1	<1	0																																					
1,3-Dichloropropane	mg/l	0.001	No WSV	48	1	<1	0																																					
Dibromochloromethane	mg/l	0.003	N/A	48	<1	<3	0																																					
1,2-Dibromoethane	mg/l	0.001	N/A	48	1	<1	0																																					
Tetrachloroethene	mg/l	0.001	0.01	48	1	<1	0																																					
1,1,1,2-Tetrachloroethane	mg/l	0.001	No WSV	48	1	<1	0																																					
Chlorobenzene	mg/l	0.001	N/A	48	1	<1	0																																					
Ethylbenzene	mg/l	0.001	0.02	48	1	<1	0																																					
m & p Xylene	mg/l	0.001	No WSV	48	1	<2	0																																					
Bromoform	mg/l	0.001	N/A	48	1	<1	0																																					
Styrene	mg/l	0.001	0.05	48	1	<1	0																																					
1,1,2,2-Tetrachloroethane	mg/l	0.001	No WSV	48	1	<1	0																																					
o-Xylene	mg/l	0.001	See Xylenes (total)	48	1	<1	0																																					
1,2,3-Trichloropropane	mg/l	0.001	No WSV	48	1	<1	0																																					
Isopropylbenzene	mg/l	0.001	No WSV	48	1	<1	0																																					
Bromobenzene	mg/l	0.001	No WSV	48	1	<1	0																																					
2-Chlorotoluene	mg/l	0.001	No WSV	48	1	<1	0																																					
n-propylbenzene	mg/l	0.001	No WSV	48	1	<1	0																																					
4-Chlorotoluene	mg/l	0.001	No WSV	48	1	<1	0																																					
1,2,4-Trimethylbenzene	mg/l	0.001	No WSV	48	1	<1	0																																					
4-Isopropyltoluene	mg/l	0.001	No WSV	48	1	<1	0																																					
1,3,5-Trimethylbenzene	mg/l	0.001	No WSV	48	1	<1	0																																					
1,2-Dichlorobenzene	mg/l	0.001	0.02	48	1	<1	0																																					
1,4-Dichlorobenzene	mg/l	0.001	0.02	48	1	<1	0																																					
sec-Butylbenzene	mg/l	0.001	No WSV	48	1	<1	0																																					
tert-Butylbenzene	mg/l	0.002	No WSV	48	<1	<2	0																																					
1,3-Dichlorobenzene	mg/l	0.001	No WSV	48	1	<2	0																																					
n-butylbenzene	mg/l	0.001	No WSV	48	1	<1	0																																					
1,2-Dibromo-3-chloropropane	mg/l	0.002	N/A	48	<1	<2	0																																					
1,2,4-Trichlorobenzene	mg/l	0.003	No WSV	48	<1	<3	0																																					
1,2,3-Trichlorobenzene	mg/l	0.003	No WSV	48	<1	<3	0																																					
Hexachlorobutadiene	mg/l	0.001	0.0006	48	1	<1	0																																					
TPH CWG																																											
Aliphatic TPH >C5-C6	mg/l	0.001	0.01	48	1	<1	0																																					
Aliphatic TPH >C6-C8	mg/l	0.001	0.01	48	1	<1	0																																					
Aliphatic TPH >C8-C10	mg/l	0.005	0.01	48	10	<10	0																																					
Aliphatic TPH >C10-C12	mg/l	0.005	0.01	48	5	<5	0																																					
Aliphatic TPH >C12-C16	mg/l	0.005	0.01	48	5	<5	0																																					
Aliphatic TPH >C16-C21	mg/l	0.005	0.01	48	5	<5	0																																					
Aliphatic TPH >C21-C35	mg/l	0.005	0.01	48	9	9	1	POND SAMPLE, 4.5m																																						
Total Aliphatics	mg/l	0.005	No WSV	48	14	14	0																																					
Aromatic TPH >C5-C7	mg/l	0.001	0.01	48	1	<1	0																																					
Aromatic TPH >C7-C8	mg/l	0.001	0.01	48	1	<1	0																																					
Aromatic TPH >C8-C10	mg/l	0.005	0.01	48	10	<10	0																																					

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Assessment Criteria : *Manual SSAC*

CaCO (mg/l): 102.00 **pH** 6.96

Calcium (mg/l): 27.00 **DOC (mg/l)** 4.90 **Catchment area:** Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	SW1 13/08/2019 Clay, sand & Gravel	SW2 13/08/2019	SW3 13/08/2019	SW4 13/08/2019	S1 18/09/2019	S2 18/09/2019	S3 18/09/2019 Clay & Gravel	S4 18/09/2019 Silt & Sand
Aromatic TPH >C10-C12	mg/l	0.005	0.01	48	5	<5	0									
Aromatic TPH >C12-C16	mg/l	0.005	0.01	48	5	<5	0									
Aromatic TPH >C16-C21	mg/l	0.005	0.01	48	5	<5	0									
Aromatic TPH >C21-C35	mg/l	0.01	0.01	48	28	28	1	POND SAMPLE, 4.5m								
Total Aromatics	mg/l	0.01	No WSV	48	34	34	0									
TPH (Ali & Aro >C5-C35)	mg/l	0.01	No WSV	48	48	48	0									
Benzene	mg/l	0.001	0.01	48	1	<1	0									
Toluene	mg/l	0.001	0.074	48	1	<1	0									
Ethyl Benzene	mg/l	0.001	No WSV	48	1	<1	0									
m & p Xylene	mg/l	0.001	No WSV	48	1	<1	0									
o Xylene	mg/l	0.001	No WSV	48	1	<1	0									
MTBE	mg/l	0.001	No WSV	48	1	<1	0									
VOCs																
Dichlorodifluoromethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl Chloride	mg/l	0.000001	N/A	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromomethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichlorofluoromethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloroethylene	mg/l	0.000001	N/A	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Methylene Chloride	mg/l	0.000001	No WSV	49	<0.027	<0.027	0		<0.027	<0.027	<0.027	<0.027				
Cis-1,2-dichloroethene	mg/l	0.000001	No WSV	49	0	0	0									
Trans-1,2-dichloroethylene	mg/l	0.000001	N/A	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cis-1,2-dichloroethylene	mg/l	0.000001	N/A	49	<0.001	0.017	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-dichloropropane	mg/l	0.000001	No WSV	49	<0.002	<0.002	0		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromochloromethane	mg/l	0.000001	No WSV	49	<0.004	<0.004	0		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chloroform	mg/l	0.000001	0.0025	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-trichloroethane	mg/l	0.000001	0.1	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloropropene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon tetrachloride	mg/l	0.000001	0.012	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	mg/l	0.000001	0.01	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dichloroethane	mg/l	0.000001	0.01	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethylene	mg/l	0.000001	0.01	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dichloropropane	mg/l	0.000001	N/A	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromomethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane	mg/l	0.000001	N/A	49	<0.004	<0.004	0		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
cis-1,3-dichloropropene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	mg/l	0.000001	0.074	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-dichloropropene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-trichloroethane	mg/l	0.000001	0.4	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethylene	mg/l	0.000001	0.01	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-dichloropropane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromochloromethane	mg/l	0.000001	N/A	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dibromoethane	mg/l	0.000001	N/A	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorobenzene	mg/l	0.000001	N/A	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1,2-tetrachloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	mg/l	0.000001	0.02	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
m+p-Xylene	mg/l	0.000001	No WSV	49	<0.002	<0.002	0		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
o-Xylene	mg/l	0.000001	See Xylenes (total)	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	mg/l	0.000001	0.05	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromoform	mg/l	0.000001	N/A	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-tetrachloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-trichloropropane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-propylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-chlorotoluene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-trimethylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-chlorotoluene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tert-butylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-trimethylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-butylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p-isopropyltoluene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-dichlorobenzene	mg/l	0.000001	No WSV	49	<0.002	<0.002	0		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,4-dichlorobenzene	mg/l	0.000001	0.02	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-butylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dichlorobenzene	mg/l	0.000001	0.02	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dibromo-3-chloropropane	mg/l	0.000001	N/A	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-trichlorobenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobutadiene	mg/l	0.000001	0.0006	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Naphthalene	mg/l	0.000001	0.002	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-trichlorobenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MTBE	mg/l	0.000001	No WSV	49	<0.001	<0.001	0		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
SVOCs																
Aniline	mg/l	0.00005	No WSV	49	0	0	0									
Phenol	mg/l	0.00005	0.0077	49	0	0	0									
2-Chlorophenol	mg/l	0.00005	0.05	49	0	0	0									
Bis(2-chloroethyl)ether	mg/l	0.00005	No WSV	49	0	0	0									
1,3-Dichlorobenzene	mg/l	0.00005	No WSV	49	0	0	0									
1,2-Dichlorobenzene	mg/l	0.00005	0.02	49	0	0	0									
1,4-Dichlorobenzene	mg/l	0.00005	0.02	49	0	0	0									
Bis(2-chloroisopropyl)ether	mg/l	0.00005	No WSV	49	0	0	0									
2-Methylphenol	mg/l	0.00005	No WSV	49	0	0	0									
Hexachloroethane	mg/l	0.00005	No WSV	49	0	0	0									
Nitrobenzene	mg/l	0.00005	No WSV	49	0	0	0									
4-Methylphenol	mg/l	0.00005	No WSV	49	0	0	0									
Isophorone	mg/l	0.00005	No WSV	49	0	0	0									
2-Nitrophenol	mg/l	0.00005	No WSV	49	0	0	0									
2,4-Dimethylphenol	mg/l	0.00005	No WSV	49	0	0	0									
Bis(2-chloroethoxy)methane	mg/l	0.00005	No WSV	49	0	0	0									
1,2,4-Trichlorobenzene	mg/l	0.00005	No WSV	49	0	0	0									
Naphthalene	mg/l	0.00001	0.002	49	0	0	0									
2,4-Dichlorophenol	mg/l	0.00005	0.0042	49	0	0	0									
4-Chloroaniline	mg/l	0.00005	No WSV	49	0	0	0									
Hexachlorobutadiene	mg/l	0.00005	0.0006	49	0	0	0									
4-Chloro-3-methylphenol	mg/l	0.00005	0.04	49	0	0	0									
2,4,6-Trichlorophenol	mg/l	0.00005	N/A	49	0	0	0									
2,4,5-Trichlorophenol	mg/l	0.00005	No WSV	49	0	0	0									
2-Methylnaphthalene	mg/l	0.00005	No WSV	49	0	0	0									
2-Chloronaphthalene	mg/l	0.00005	No WSV	49	0	0	0									
Dimethylphthalate	mg/l	0.00005	0.8	49	0	0	0									
2,6-Dinitrotoluene	mg/l	0.00005	No WSV	49	0	0	0									
Acenaphthylene	mg/l	0.00001	Screen BaP only	49	0	0	0									
Acenaphthene	mg/l	0.00001	Screen BaP only	49	0	0	0									
2,4-Dinitrotoluene	mg/l	0.00005	No WSV	49	0	0	0									
Dibenzofuran	mg/l	0.00005	No WSV	49	0	0	0									
4-Chlorophenyl phenyl ether	mg/l	0.00005	No WSV	49	0	0	0									
Diethyl phthalate	mg/l	0.00005	No WSV	49	0	0	0									
4-Nitroaniline	mg/l	0.00005	No WSV	49	0	0	0									
Fluorene	mg/l	0.00001	N/A	49	0	0	0									
Azobenzene	mg/l	0.00005	No WSV	49	0	0	0									
Bromophenyl phenyl ether	mg/l	0.00005	No WSV	49	0	0	0									
Hexachlorobenzene	mg/l	0.00005	0.00005	49	0	0	0									
Phenanthrene	mg/l	0.00001	Screen BaP only	49	0	0	0									
Anthracene	mg/l	0.00001	0.0001	49	0	0	0									
Carbazole	mg/l	0.00005	No WSV	49	0	0	0									
Dibutyl phthalate	mg/l	0.00005	0.008	49	0	0	0									
Anthraquinone	mg/l	0.00005	No WSV	49	0	0	0									
Fluoranthene	mg/l	0.00001	0.0000063	49	0	0	0									
Pyrene	mg/l	0.00001	N/A	49	0	0	0									
Butyl benzyl phthalate	mg/l	0.00005	No WSV	49	0	0	0									
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	49	0	0	0									
Chrysene	mg/l	0.00001	Screen BaP only	49	0	0	0									
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	49	0	0	0									
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	49	0	0	0									
Benzo(a)pyrene	mg/l	0.00001	0.00000017	49	0	0	0									
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	No WSV	49	0	0	0									
Dibenz(a,h)anthracene	mg/l	0.00001	N/A	49	0	0	0									
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	49	0	0	0									
3&4-Methylphenol	mg/l	0.0001	No WSV	49	0	0	0									
Methane	mg/L	0.1	No WSV	49	0	0	0									

Sample	Date	Material
BH4	25/02/2019	Clay, sand & Gravel
SW1	25/02/2019	
SW2	25/02/2019	
SW3	25/02/2019	
SW4	25/02/2019	
D1	25/02/2019	
S1	21/03/2019	
S2	21/03/2019	
S3	21/03/2019	
S4	21/03/2019	
BH4	21/03/2019	Clay, sand & Gravel
BH101	21/03/2019	Clay & Gravel
BH103	21/03/2019	Silt & Sand
BH103	17/04/2019	Silt & Sand
BH4	17/04/2019	Clay, sand & Gravel
S1	17/04/2019	
S2	17/04/2019	
S3	17/04/2019	
S4	17/04/2019	
BH101	22/05/2019	Clay & Gravel
BH103	22/05/2019	Silt & Sand
BH4	22/05/2019	Clay, sand & Gravel
SW1	22/05/2019	
SW2	22/05/2019	
SW3	22/05/2019	
SW4	22/05/2019	
BH101	27/06/2019	Clay & Gravel
BH4	27/06/2019	Clay, sand & Gravel
SW1	27/06/2019	
SW2	27/06/2019	
SW3	27/06/2019	
SW4	27/06/2019	
BH101	17/07/2019	Clay & Gravel
BH4	17/07/2019	Clay, sand & Gravel

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Assessment Criteria :								
								Manual SSAC
CaCO (mg/l):	102.00			pH	6.96			
Calcium (mg/l):	27.00			DOC (mg/l)	4.90		Catchment area:	Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
pH	pH	0.01	6-9	49	6.5	7.8	0	
pH BRE	pH	0.01	No WSV	47	0	0	0	
Hardness Total			No WSV	48	43	43	0	
Ammoniacal nitrogen as N	mg/l	0.02	0.2	48	<0.015	0.94	2	SW3, 3.5m; S3
Ammonia (Free Unionised) as N (w) at 25degC	mg/l	0.000036	No WSV	48	64	64	0	
Ammonia / Ammoniacal Nitrogen as NH3	mg/l	0.024	No WSV	47	0	0	0	
Sulphate	mg/l	1	400	48	<0.005	74	0	
Sulphate BRE	mg/l	1	No WSV	48	0.005	<0.005	0	
Cyanide (free)	mg/l	0.005	0.001	48	3.4	3.4	1	CANAL SAMPLE, 6m
Cyanide (total)	mg/l	0.005	N/A	48	1	<1	0	
Antimony	mg/l	0.001	N/A	48	1	<1	0	
Arsenic	mg/l	0.001	0.05	48	41	41	1	POND SAMPLE, 4.5m
Boron	mg/l	0.01	2	48	0.2	<0.2	0	
Cadmium	mg/l	0.0002	0.00015	48	0.03	12	3	CANAL SAMPLE, 6m; S1, 5m; S2, 5m
Copper	mg/l	0.001	0.01883	48	1.6	14	13	POND SAMPLE, 4.5m; S1, 5m; S2, 5m; S3, 5m; S4; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4
Chromium	mg/l	0.001	See Cr VI as first pass	48	<0.25	1.1	0	
Chromium	mg/l	0.01	See Cr VI as first pass	48	0.02	<0.02	0	
Lead	mg/l	0.001	0.0012	48	<0.09	<1	9	S1, 5m; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4
Magnesium	mg/l	1	N/A	48	5.8	17	0	
Mercury	mg/l	0.0001	0.00007	48	0.1	<0.1	0	
Nickel	mg/l	0.001	0.01448	48	1	4.9	13	POND SAMPLE, 4.5m; S1, 5m; S2, 5m; S3, 5m; S4; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4
Potassium	mg/l	1.2	N/A	48	3.7	9.6	0	
Selenium	mg/l	0.001	N/A	48	1	<1	0	
Zinc	mg/l	0.001	0.0247	48	5	440	13	POND SAMPLE, 4.5m; S1, 5m; S2, 5m; S3, 5m; S4; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4
PAH 16MS								
Acenaphthene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0	
Acenaphthylene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0	
Anthracene	mg/l	0.00001	0.0001	48	0.01	<0.01	0	
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0	
Benzo(a)pyrene	mg/l	0.00001	0.00000017	48	0.01	<0.01	0	
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0	
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0	
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0	
Chrysene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0	
Dibenzo(ah)anthracene	mg/l	0.00001	No WSV	48	0.01	<0.01	0	
Fluoranthene	mg/l	0.00001	0.0000063	48	0.01	<0.01	0	
Fluorene	mg/l	0.00001	N/A	48	0.01	<0.01	0	
Indeno(123-cd)pyrene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0	
Naphthalene	mg/l	0.00001	0.002	48	0.01	<0.01	0	
Phenanthrene	mg/l	0.00001	Screen BaP only	48	0.01	0.01	0	
Pyrene	mg/l	0.00001	N/A	48	0.01	<0.01	0	
Total PAH 16MS	mg/l	0.00001	No WSV	48	0.01	0.01	0	
SVOC (excluding PAH-16)								
2,4,5-Trichlorophenol	mg/l	0.001	No WSV	48	1	<1	0	
2,4,6-Trichlorophenol	mg/l	0.001	N/A	48	1	<1	0	
2,4-Dichlorophenol	mg/l	0.001	0.0042	48	1	<1	0	
2,4-Dimethylphenol	mg/l	0.001	No WSV	48	1	<1	0	
2,4-Dinitrotoluene	mg/l	0.001	No WSV	48	1	<1	0	
2,6-Dinitrotoluene	mg/l	0.001	No WSV	48	1	<1	0	
2-Chloronaphthalene	mg/l	0.001	No WSV	48	1	<1	0	
2-Chlorophenol	mg/l	0.001	0.05	48	1	<1	0	
2-Methylnaphthalene	mg/l	0.001	No WSV	48	1	<1	0	
2-Methylphenol	mg/l	0.001	No WSV	48	1	<1	0	
2-Nitrophenol	mg/l	0.001	No WSV	48	1	<1	0	
4-Bromophenyl phenyl ether	mg/l	0.001	No WSV	48	1	<1	0	
4-Chloro-3-methylphenol	mg/l	0.001	0.04	48	1	<1	0	
Bis(2-chloroisopropyl)ether	mg/l	0.001	No WSV	48	1	<1	0	
3+4-Methylphenol	mg/l	0.001	No WSV	48	1	<1	0	
4-Nitrophenol	mg/l	0.001	No WSV	48	1	<1	0	
Bis(2-chloroethyl)ether	mg/l	0.001	No WSV	48	1	<1	0	
Bis(2-chloroethoxy)methane	mg/l	0.001	No WSV	48	1	<1	0	
Bis(2-ethylhexyl)phthalate	mg/l	0.01	No WSV	48	10	<10	0	
Butylbenzyl phthalate	mg/l	0.001	No WSV	48	1	<1	0	
Carbazole	mg/l	0.001	No WSV	48	1	<1	0	
Dibenzofuran	mg/l	0.001	No WSV	48	1	<1	0	
n-Dibutylphthalate	mg/l	0.001	No WSV	48	1	<1	0	
n-Dioctylphthalate	mg/l	0.01	No WSV	48	10	<10	0	
n-Nitroso-n-dipropylamine	mg/l	0.001	No WSV	48	1	<1	0	
Diethyl phthalate	mg/l	0.001	No WSV	48	1	<1	0	
Dimethyl phthalate	mg/l	0.001	No WSV	48	1	<1	0	
Hexachlorobenzene	mg/l	0.001	0.00005	48	1	<1	0	
Pentachlorophenol (SVOC)	mg/l	0.001	No WSV	48	1	<1	0	
Phenol	mg/l	0.001	0.0077	48	1	<1	0	
Hexachloroethane	mg/l	0.001	No WSV	48	1	<1	0	
Nitrobenzene	mg/l	0.001	No WSV	48	1	<1	0	
Isophorone	mg/l	0.001	No WSV	48	1	<1	0	
Hexachlorocyclopentadiene	mg/l	0.001	No WSV	48	1	<1	0	
Perylene	mg/l	0.001	No WSV	48	1	<1	0	
VOC	mg/l	0	No WSV	49	0	0	0	
Dichlorodifluoromethane	mg/l	0.001	No WSV	48	1	<1	0	
Chloromethane	mg/l	0.01	No WSV	48	<1	<10	0	
Vinyl Chloride	mg/l	0.001	N/A	48	1	<1	0	
Bromomethane	mg/l	0.001	No WSV	48	1	<1	0	
Chloroethane	mg/l	0.001	No WSV	48	1	<1	0	
Trichlorofluoromethane	mg/l	0.001	No WSV	48	1	<1	0	
trans 1,2-Dichloroethene	mg/l	0.001	No WSV	48	1	<1	0	
Dichloromethane	mg/l	0.005	0.02	48	5	<5	0	
Carbon Disulphide	mg/l	0.001	No WSV	48	1	<1	0	
1,1-Dichloroethene	mg/l	0.001	No WSV	48	1	<1	0	
1,1-Dichloroethane	mg/l	0.001	No WSV	48	1	<1	0	
cis 1,2-Dichloroethene	mg/l	0.001	No WSV	48	1	<1	0	
Bromochloromethane	mg/l	0.005	No WSV	48	<4	<5	0	
Chloroform	mg/l	0.001	0.0025	48	1	<1	0	
2,2-Dichloropropane	mg/l	0.001	No WSV	48	1	<1	0	
1,2-Dichloroethane	mg/l	0.002	0.01	48	<1	<2	0	
1,1,1-Trichloroethane	mg/l	0.001	0.1	48	1	<1	0	
1,1-Dichloropropene	mg/l	0.001	No WSV	48	1	<1	0	
Benzene	mg/l	0.001	0.01	48	1	<1	0	
Carbon Tetrachloride	mg/l	0.001	0.012	48	1	<1	0	
Dibromomethane	mg/l	0.001	No WSV	48	1	<1	0	
1,2-Dichloropropane	mg/l	0.001	N/A	48	1	<1	0	
Bromodichloromethane	mg/l	0.01	N/A	48	<4	<10	0	
Trichloroethene	mg/l	0.001	0.01	48	1	<1	0	
cis 1,3-Dichloropropene	mg/l	0.001	No WSV	48	1	<1	0	
trans 1,3-Dichloropropene	mg/l	0.001	No WSV	48	1	<1	0	
1,1,2-Trichloroethane	mg/l	0.001	0.4	48	1	<1	0	
Toluene	mg/l	0.001	0.074	48	1	<1	0	
1,3-Dichloropropane	mg/l	0.001	No WSV	48	1	<1	0	
Dibromochloromethane	mg/l	0.003	N/A	48	<1	<3	0	
1,2-Dibromoethane	mg/l	0.001	N/A	48	1	<1	0	
Tetrachloroethene	mg/l	0.001	0.01	48	1	<1	0	
1,1,1,2-Tetrachloroethane	mg/l	0.001	No WSV	48	1	<1	0	
Chlorobenzene	mg/l	0.001	N/A	48	1	<1	0	
Ethylbenzene	mg/l	0.001	0.02	48	1	<1	0	
m & p Xylene	mg/l	0.001	No WSV	48	1	<2	0	
Bromoform	mg/l	0.001	N/A	48	1	<1	0	
Styrene	mg/l	0.001	0.05	48	1	<1	0	
1,1,2,2-Tetrachloroethane	mg/l	0.001	No WSV	48	1	<1	0	
o-Xylene	mg/l	0.001	See Xylenes (total)	48	1	<1	0	
1,2,3-Trichloropropane	mg/l	0.001	No WSV	48	1	<1	0	
Isopropylbenzene	mg/l	0.001	No WSV	48	1	<1	0	
Bromobenzene	mg/l	0.001	No WSV	48	1	<1	0	
2-Chlorotoluene	mg/l	0.001	No WSV	48	1	<1	0	
n-propylbenzene	mg/l	0.001	No WSV	48	1	<1	0	
4-Chlorotoluene	mg/l	0.001	No WSV	48	1	<1	0	
1,2,4-Trimethylbenzene	mg/l	0.001	No WSV	48	1	<1	0	
4-Isopropyltoluene	mg/l	0.001	No WSV	48	1	<1	0	
1,3,5-Trimethylbenzene	mg/l	0.001	No WSV	48	1	<1	0	
1,2-Dichlorobenzene	mg/l	0.001	0.02	48	1	<1	0	
1,4-Dichlorobenzene	mg/l	0.001	0.02	48	1	<1	0	
sec-Butylbenzene	mg/l	0.001	No WSV	48	1	<1	0	
tert-Butylbenzene	mg/l	0.002	No WSV	48	<1	<2	0	
1,3-Dichlorobenzene	mg/l	0.001	No WSV	48	1	<2	0	
n-butylbenzene	mg/l	0.001	No WSV	48	1	<1	0	
1,2-Dibromo-3-chloropropane	mg/l	0.002	N/A	48	<1	<2	0	
1,2,4-Trichlorobenzene	mg/l	0.003	No WSV	48	<1	<3	0	
1,2,3-Trichlorobenzene	mg/l	0.003	No WSV	48	<1	<3	0	
Hexachlorobutadiene	mg/l	0.001	0.0006	48	1	<1	0	
TPH CWG								
Aliphatic TPH >C5-C6	mg/l	0.001	0.01	48	1	<1	0	
Aliphatic TPH >C6-C8	mg/l	0.001	0.01	48	1	<1	0	
Aliphatic TPH >C8-C10	mg/l	0.005	0.01	48	10	<10	0	
Aliphatic TPH >C10-C12	mg/l	0.005	0.01	48	5	<5	0	
Aliphatic TPH >C12-C16	mg/l	0.005	0.01	48	5	<5	0	
Aliphatic TPH >C16-C21	mg/l	0.005	0.01	48	5	<5	0	
Aliphatic TPH >C21-C35	mg/l	0.005	0.01	48	9	1	1	POND SAMPLE, 4.5m
Total Aliphatics	mg/l	0.005	No WSV	48	14	14	0	
Aromatic TPH >C5-C7	mg/l	0.001	0.01	48	1	<1	0	
Aromatic TPH >C7-C8	mg/l	0.001	0.01	48	1	<1	0	
Aromatic TPH >C8-C10	mg/l	0.005	0.01	48	10	<10	0	

	SW1	SW2	SW3	SW4	BH101	BH103	BH4	SW1	SW2	SW3	SW4	BH101	BH103	BH4	S1	S2	S3	S4	ATK BH5907	ATK BH5910	BH4463	QAQC1 - BH4463	QAQC2 - Blank	ATK BH5906	BH1	BH2	BH3	BH4	BH5	BH6	BH7	BH101	BH102	BH103	BH4454	BH4455	BH4456	BH4458	BH4459	BH4460	BH4461	BH4462	BH4485	BH4486	ATK BH5906
																			10m	6.15m	7m	None Suppliedm	None Suppliedm	10.3m	6m	5.5m	5.5m	5.5m	5m	4.5m	4.35m	6m	6.08m	5.75m	6m	6m	5m	6.2m	8.75m	13.75m	11.25m	9.25m	4.2m	5.1m	10.3m
	17/07/2019	17/07/2019	17/07/2019	17/07/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	28/06/2022	28/06/2022	28/06/2022	28/06/2022	28/06/2022	25/04/2022	25/04/2022	25/04/2022	26/04/2022	26/04/2022	27/04/2022	27/04/2022	27/04/2022	25/04/2022	26/04/2022	26/04/2022	25/04/2022	26/04/2022	26/04/2022	25/04/2022	25/04/2022	26/04/2022	26/04/2022	25/04/2022	27/04/2022	27/04/2022	12/05/2022
					Clay & Gravel	Silt & Sand	Clay, sand & Gravel					Clay & Gravel	Silt & Sand	Clay, sand & Gravel																																	

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ATKINS

Assessment Criteria :	*Manual SSAC*							
CaCO (mg/l):	102.00		pH	6.96				
Calcium (mg/l):	27.00		DOC (mg/l)	4.90		Catchment area:		Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	SW1	SW2	SW3	SW4	BH101	BH103	BH4	SW1	SW2	SW3	SW4	BH101	BH103	BH4	S1	S2	S3	S4	ATK BH5907	ATK BH5910	BH4463	QAQC1 - BH4463	QAQC2 - Blank	ATK BH5906	BH1	BH2	BH3	BH4	BH5	BH6	BH7	BH101	BH102	BH103	BH4454	BH4455	BH4456	BH4458	BH4459	BH4460	BH4461	BH4462	BH4485	BH4486	ATK BH5906
																																	10m	6.15m	7m	None Suppliedm	None Suppliedm	10.3m	6m	5.5m	5.5m	5.5m	5m	4.5m	4.35m	6m	6.08m	5.75m	6m	6m	5m	6.2m	8.75m	13.75m	11.25m	9.25m	4.2m	5.1m	10.3m
									17/07/2019	17/07/2019	17/07/2019	17/07/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	13/08/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	18/09/2019	28/06/2022	28/06/2022	28/06/2022	28/06/2022	28/06/2022	25/04/2022	25/04/2022	25/04/2022	26/04/2022	26/04/2022	27/04/2022	27/04/2022	27/04/2022	25/04/2022	26/04/2022	26/04/2022	25/04/2022	26/04/2022	26/04/2022	25/04/2022	25/04/2022	26/04/2022	26/04/2022	25/04/2022	27/04/2022	27/04/2022	12/05/2022
													Clay & Gravel	Silt & Sand	Clay, sand & Gravel					Clay & Gravel	Silt & Sand	Clay, sand & Gravel																																	
Aromatic TPH >C10-C12	mg/l	0.005	0.01	48	5	<5	0																																															
Aromatic TPH >C12-C16	mg/l	0.005	0.01	48	5	<5	0																																														
Aromatic TPH >C16-C21	mg/l	0.005	0.01	48	5	<5	0																																														
Aromatic TPH >C21-C35	mg/l	0.01	0.01	48	28	28	1	POND SAMPLE, 4.5m																																															
Total Aromatics	mg/l	0.01	No WSV	48	34	34	0																																														
TPH (Ali & Aro >C5-C35)	mg/l	0.01	No WSV	48	48	48	0																																														
Benzene	mg/l	0.001	0.01	48	1	<1	0																																														
Toluene	mg/l	0.001	0.074	48	1	<1	0																																														
Ethyl Benzene	mg/l	0.001	No WSV	48	1	<1	0																																														
m & p Xylene	mg/l	0.001	No WSV	48	1	<1	0																																														
o Xylene	mg/l	0.001	No WSV	48	1	<1	0																																														
MTBE	mg/l	0.001	No WSV	48	1	<1	0																																														
VOCs																																																						
Dichlorodifluoromethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																														
Chloromethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																														
Vinyl Chloride	mg/l	0.000001	N/A	49	<0.001	<0.001	0																																														
Bromomethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																														
Chloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																														
Trichlorofluoromethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																														
1,1-dichloroethylene	mg/l	0.000001	N/A	49	<0.001	<0.001	0																																														
Methylene Chloride	mg/l	0.000001	No WSV	49	<0.027	<0.027	0																																														
Cis-1,2-dichloroethene	mg/l	0.000001	No WSV	49	0	0	0																																														
Trans-1,2-dichloroethylene	mg/l	0.000001	N/A	49	<0.001	<0.001	0																																														
1,1-dichloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																														
Cis-1,2-dichloroethylene	mg/l	0.000001	N/A	49	<0.001	0.017	0																																														
2,2-dichloropropane	mg/l	0.000001	No WSV	49	<0.002	<0.002	0																																													
Bromochloromethane	mg/l	0.000001	No WSV	49	<0.004	<0.004	0																																													
Chloroform	mg/l	0.000001	0.0025	49	<0.001	<0.001	0																																													
1,1,1-trichloroethane	mg/l	0.000001	0.1	49	<0.001	<0.001	0																																													
1,1-dichloropropene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
Carbon tetrachloride	mg/l	0.000001	0.012	49	<0.001	<0.001	0																																													
Benzene	mg/l	0.000001	0.01	49	<0.001	<0.001	0																																													
1,2-dichloroethane	mg/l	0.000001	0.01	49	<0.001	<0.001	0																																													
Trichloroethylene	mg/l	0.000001	0.01	49	<0.001	<0.001	0																																													
1,2-dichloropropane	mg/l	0.000001	N/A	49	<0.001	<0.001	0																																													
Dibromomethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
Bromodichloromethane	mg/l	0.000001	N/A	49	<0.004	<0.004	0																																													
cis-1,3-dichloropropene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
Toluene	mg/l	0.000001	0.074	49	<0.001	<0.001	0																																													
trans-1,3-dichloropropene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
1,1,2-trichloroethane	mg/l	0.000001	0.4	49	<0.001	<0.001	0																																													
Tetrachloroethylene	mg/l	0.000001	0.01	49	<0.001	<0.001	0																																													
1,3-dichloropropane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
Dibromochloromethane	mg/l	0.000001	N/A	49	<0.001	<0.001	0																																													
1,2-dibromoethane	mg/l	0.000001	N/A	49	<0.001	<0.001	0																																													
Chlorobenzene	mg/l	0.000001	N/A	49	<0.001	<0.001	0																																													
1,1,1,2-tetrachloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
Ethylbenzene	mg/l	0.000001	0.02	49	<0.001	<0.001	0																																													
m+p-Xylene	mg/l	0.000001	No WSV	49	<0.002	<0.002	0																																													
o-Xylene	mg/l	0.000001	See Xylenes (total)	49	<0.001	<0.001	0																																													
Styrene	mg/l	0.000001	0.05	49	<0.001	<0.001	0																																													
Bromoform	mg/l	0.000001	N/A	49	<0.001	<0.001	0																																													
Isopropylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
1,1,2,2-tetrachloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
Bromobenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
1,2,3-trichloropropane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
n-propylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
2-chlorotoluene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
1,3,5-trimethylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
4-chlorotoluene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
Tert-butylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
1,2,4-trimethylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
sec-butylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
p-isopropyltoluene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
1,3-dichlorobenzene	mg/l	0.000001	No WSV	49	<0.002	<0.002	0																																													
1,4-dichlorobenzene	mg/l	0.000001	0.02	49	<0.001	<0.001	0																																													
n-butylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
1,2-dichlorobenzene	mg/l	0.000001	0.02	49	<0.001	<0.001	0																																													
1,2-dibromo-3-chloropropane	mg/l	0.000001	N/A	49	<0.001	<0.001	0																																													
1,2,4-trichlorobenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
Hexachlorobutadiene	mg/l	0.000001	0.0006	49	<0.001	<0.001	0																																													
Naphthalene	mg/l	0.000001	0.002	49	<0.001	<0.001	0																																													
1,2,3-trichlorobenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
MTBE	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																																													
SVOCs																																																						
Aniline	mg/l	0.00005	No WSV	49	0	0	0																																														
Phenol	mg/l	0.00005	0.0077	49	0	0	0																																													
2-Chlorophenol	mg/l	0.00005	0.05	49	0	0	0																																													
Bis(2-chloroethyl)ether	mg/l	0.00005	No WSV	49	0	0	0																																													
1,3-Dichlorobenzene	mg/l	0.00005	No WSV	49	0	0	0																																													
1,2-Dichlorobenzene	mg/l	0.00005	0.02	49	0	0	0																																													
1,4-Dichlorobenzene	mg/l	0.00005	0.02	49	0	0	0																																													
Bis(2-chloroisopropyl)ether	mg/l	0.00005	No WSV	49	0	0	0																																													
2-Methylphenol	mg/l	0.00005	No WSV	49	0	0	0																																													
Hexachloroethane	mg/l	0.00005	No WSV	49	0	0	0																																													
Nitrobenzene	mg/l	0.00005	No WSV	49	0	0	0																																													
4-Methylphenol	mg/l	0.00005	No WSV	49	0	0	0																																													
Isophorone	mg/l	0.00005	No WSV	49	0	0	0																																													
2-Nitrophenol	mg/l	0.00005	No WSV	49	0	0	0																																													
2,4-Dimethylphenol	mg/l	0.00005	No WSV	49	0	0	0																																													
Bis(2-chloroethoxy)methane	mg/l	0.00005	No WSV	49	0	0	0																																													
1,2,4-Trichlorobenzene	mg/l	0.00005	No WSV	49	0	0	0																																													
Naphthalene	mg/l	0.00001	0.002	49	0	0	0																																													
2,4-Dichlorophenol	mg/l	0.00005	0.0042	49	0	0	0																																												
4-Chloroaniline	mg/l	0.00005	No WSV	49	0	0	0																																													
Hexachlorobutadiene	mg/l	0.00005	0.0006	49	0	0	0																																													
4-Chloro-3-methylphenol	mg/l	0.00005	0.04	49	0	0	0																																													
2,4,6-Trichlorophenol	mg/l	0.00005	N/A	49	0	0	0																																													
2,4,5-Trichlorophenol	mg/l	0.00005	No WSV	49	0	0	0																																													
2-Methylnaphthalene	mg/l	0.00005	No WSV	49	0	0	0																																													
2-Chloronaphthalene	mg/l	0.00005	No WSV	49	0	0	0																																													
Dimethylphthalate	mg/l	0.00005	0.8	49	0	0	0																																													
2,6-Dinitrotoluene	mg/l	0.00005	No WSV	49	0	0	0																																													
Acenaphthylene	mg/l	0.00001	Screen BaP only	49	0	0	0																																													
Acenaphthene	mg/l	0.00001	Screen BaP only	49	0	0	0																																													
2,4-Dinitrotoluene	mg/l	0.00005	No WSV	49	0	0	0																																													
Dibenzofuran	mg/l	0.00005	No WSV	49	0	0	0																																													
4-Chlorophenyl phenyl ether	mg/l	0.00005	No WSV	49	0	0	0																																													
Diethyl phthalate	mg/l	0.00005	No WSV	49	0	0	0																																													
4-Nitroaniline	mg/l	0.00005	No WSV	49	0	0	0																																													
Fluorene	mg/l	0.00001	N/A	49	0	0	0																																													
Azobenzene	mg/l	0.00005	No WSV	49	0	0	0																																													
Bromophenyl phenyl ether	mg/l	0.00005	No WSV	49	0	0	0																																													
Hexachlorobenzene	mg/l	0.00005	0.00005	49	0	0	0																																													
Phenanthrene	mg/l	0.00001	Screen BaP only	49	0	0	0																																													
Anthracene	mg/l	0.00001	0.0001	49	0	0	0																																													
Carbazole	mg/l	0.00005	No WSV	49	0	0	0																																													
Dibutyl phthalate	mg/l	0.00005	0.008	49	0	0	0																																													
Anthraquinone	mg/l	0.00005	No WSV	49	0	0	0																																													
Fluoranthene	mg/l	0.00001	0.0000063	49	0	0	0																																													
Pyrene	mg/l	0.00001	N/A	49	0	0	0																																													
Butyl benzyl phthalate	mg/l	0.00005	No WSV	49	0	0	0																																													
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	49	0	0	0																																													
Chrysene	mg/l	0.00001	Screen BaP only	49	0	0	0																																													
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	49	0	0	0																																													
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	49	0	0	0																																													
Benzo(a)pyrene	mg/l	0.00001	0.00000017	49	0	0	0																																													
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	No WSV	49	0	0	0																																													
Dibenz(a,h)anthracene	mg/l	0.00001	N/A	49	0	0	0																																													
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	49	0	0	0																																													
3&4-Methylphenol	mg/l	0.0001	No WSV	49	0	0	0																																													
Methane	mg/L	0.1	No WSV	49	0	0	0																																													

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ATKINS

Assessment Criteria :								*Manual SSAC*
CaCO (mg/l):	102.00			pH	6.96			
Calcium (mg/l):	27.00			DOC (mg/l)	4.90	Catchment area:		Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	BH1	BH2	BH3	BH4	BH5	BH6	BH101	BH103	BH4454	BH4455	BH4456	BH4458	BH4459	BH4460	BH4461	BH4462	BH4485	BH7	BH4486	ATK BH5907	ATK BH5910	BH4463	QAQC1	
									6m	5.5m	5.5m	5.5m	5m	4.5m	6m	5.75m	6m	6m	5m	6.2m	8.75m	13.75m	11.25m	9.25m	4.2m	4.35m	5.1m	10m	6.2m	6.8m	None Supplied	
									12/05/2022	11/05/2022	11/05/2022	11/05/2022	12/05/2022	12/05/2022	12/05/2022	12/05/2022	11/05/2022	11/05/2022	11/05/2022	11/05/2022	11/05/2022	12/05/2022	12/05/2022	12/05/2022	12/05/2022	13/05/2022	13/05/2022	09/08/2022	09/08/2022	09/08/2022	09/08/2022	
pH	pH	0.01	6-9	49	6.5	7.8	0																									49
pH BRE	pH	0.01	No WSV	47	0	0	0																									2
Hardness Total			No WSV	48	43	43	0																									2
Ammoniacal nitrogen as N	mg/l	0.02	0.2	48	<0.015	0.94	2	SW3, 3.5m; S3																								49
Ammonia (Free Unionised) as N (w) at 25degC	mg/l	0.000036	No WSV	48	64	64	0																									2
Ammonia / Ammoniacal Nitrogen as NH3	mg/l	0.024	No WSV	47	0	0	0																									2
Sulphate	mg/l	1	400	48	<0.005	74	0																									14
Sulphate BRE	mg/l	1	No WSV	48	0.005	<0.005	0																									2
Cyanide (free)	mg/l	0.005	0.001	48	3.4	3.4	1	CANAL SAMPLE, 6m																								2
Cyanide (total)	mg/l	0.005	N/A	48	1	<1	0																									2
Antimony	mg/l	0.001	N/A	48	1	<1	0																									2
Arsenic	mg/l	0.001	0.05	48	41	41	1	POND SAMPLE, 4.5m																								2
Boron	mg/l	0.01	2	48	0.2	<0.2	0																									2
Cadmium	mg/l	0.0002	0.00015	48	0.03	12	3	CANAL SAMPLE, 6m; S1, 5m; S2, 5m																								14
Copper	mg/l	0.001	0.01883	48	1.6	14	13	POND SAMPLE, 4.5m; S1, 5m; S2, 5m; S3, 5m; S4; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4																								14
Chromium	mg/l	0.001	See Cr VI as first pass	48	<0.25	1.1	0																									14
Chromium	mg/l	0.01	See Cr VI as first pass	48	0.02	<0.02	0																									2
Lead	mg/l	0.001	0.0012	48	<0.09	<1	9	S1, 5m; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4																								15
Magnesium	mg/l	1	N/A	48	5.8	17	0																									14
Mercury	mg/l	0.0001	0.00007	48	0.1	<0.1	0																									2
Nickel	mg/l	0.001	0.01448	48	1	4.9	13	POND SAMPLE, 4.5m; S1, 5m; S2, 5m; S3, 5m; S4; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4																								14
Potassium	mg/l	1.2	N/A	48	3.7	9.6	0																									14
Selenium	mg/l	0.001	N/A	48	1	<1	0																									2
Zinc	mg/l	0.001	0.0247	48	5	440	13	POND SAMPLE, 4.5m; S1, 5m; S2, 5m; S3, 5m; S4; SW1; SW2; SW3; SW4; SW1; SW2; SW3; SW4																								14
PAH 16MS																																0
Acenaphthene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0																									2
Acenaphthylene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0																									2
Anthracene	mg/l	0.00001	0.0001	48	0.01	<0.01	0																									2
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0																									2
Benzo(a)pyrene	mg/l	0.00001	0.00000017	48	0.01	<0.01	0																									2
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0																									2
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0																									2
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0																									2
Chrysene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0																									2
Dibenzo(ah)anthracene	mg/l	0.00001	No WSV	48	0.01	<0.01	0																									2
Fluoranthene	mg/l	0.00001	0.0000063	48	0.01	<0.01	0																									2
Fluorene	mg/l	0.00001	N/A	48	0.01	<0.01	0																									2
Indeno(123-cd)pyrene	mg/l	0.00001	Screen BaP only	48	0.01	<0.01	0																									2
Naphthalene	mg/l	0.00001	0.002	48	0.01	<0.01	0																									2
Phenanthrene	mg/l	0.00001	Screen BaP only	48	0.01	0.01	0																									2
Pyrene	mg/l	0.00001	N/A	48	0.01	<0.01	0																									2
Total PAH 16MS	mg/l	0.00001	No WSV	48	0.01	0.01	0																									2
SVOC (excluding PAH-16)																																0
2,4,5-Trichlorophenol	mg/l	0.001	No WSV	48	1	<1	0																									2
2,4,6-Trichlorophenol	mg/l	0.001	N/A	48	1	<1	0																									2
2,4-Dichlorophenol	mg/l	0.001	0.0042	48	1	<1	0																									2
2,4-Dimethylphenol	mg/l	0.001	No WSV	48	1	<1	0																									2
2,4-Dinitrotoluene	mg/l	0.001	No WSV	48	1	<1	0																									2
2,6-Dinitrotoluene	mg/l	0.001	No WSV	48	1	<1	0																									2
2-Chloronaphthalene	mg/l	0.001	No WSV	48	1	<1	0																									2
2-Chlorophenol	mg/l	0.001	0.05	48	1	<1	0																									2
2-Methylnaphthalene	mg/l	0.001	No WSV	48	1	<1	0																									2
2-Methylphenol	mg/l	0.001	No WSV	48	1	<1	0																									2
2-Nitrophenol	mg/l	0.001	No WSV	48	1	<1	0																									2
4-Bromophenyl phenyl ether	mg/l	0.001	No WSV	48	1	<1	0																									2
4-Chloro-3-methylphenol	mg/l	0.001	0.04	48	1	<1	0																									2
Bis(2-chloroisopropyl)ether	mg/l	0.001	No WSV	48	1	<1	0																									2
3+4-Methylphenol	mg/l	0.001	No WSV	48	1	<1	0																									2
4-Nitrophenol	mg/l	0.001	No WSV	48	1	<1	0																									2
Bis(2-chloroethyl)ether	mg/l	0.001	No WSV	48	1	<1	0																									2
Bis(2-chloroethoxy)methane	mg/l	0.001	No WSV	48	1	<1	0																									2
Bis(2-ethylhexyl)phthalate	mg/l	0.01	No WSV	48	10	<10	0																									2
Butylbenzyl phthalate	mg/l	0.001	No WSV	48	1	<1	0																									2
Carbazole	mg/l	0.001	No WSV	48	1	<1	0																									2
Dibenzofuran	mg/l	0.001	No WSV	48	1	<1	0																									2
n-Dibutylphthalate	mg/l	0.001	No WSV	48	1	<1	0																									2
n-Dioctylphthalate	mg/l	0.01	No WSV	48	10	<10	0																									2
n-Nitroso-n-dipropylamine	mg/l	0.001	No WSV	48	1	<1	0																									2
Diethyl phthalate	mg/l	0.001	No WSV	48	1	<1	0																									2
Dimethyl phthalate	mg/l	0.001	No WSV	48	1	<1	0																									2
Hexachlorobenzene	mg/l	0.001	0.00005	48	1	<1	0																									2
Pentachlorophenol (SVOC)	mg/l	0.001	No WSV	48	1	<1	0																									2
Phenol	mg/l	0.001	0.0077	48	1	<1	0																									2
Hexachloroethane	mg/l	0.001	No WSV	48	1	<1	0																									2
Nitrobenzene	mg/l	0.001	No WSV	48	1	<1	0																									2
Isophorone	mg/l	0.001	No WSV	48	1	<1	0																									2
Hexachlorocyclopentadiene	mg/l	0.001	No WSV	48	1	<1	0																									2
Perylene	mg/l	0.001	No WSV	48	1	<1	0																									2
VOC	mg/l	0	No WSV	49	0	0	0																									0
Dichlorodifluoromethane	mg/l	0.001	No WSV	48	1	<1	0																									6
Chloromethane	mg/l	0.01	No WSV	48	<1	<10	0																									6
Vinyl Chloride	mg/l	0.001	N/A	48	1	<1	0																									6
Bromomethane	mg/l	0.001	No WSV	48	1	<1	0																									6
Chloroethane	mg/l	0.001	No WSV	48	1	<1	0																									6
Trichlorofluoromethane	mg/l	0.001	No WSV	48	1	<1	0																									6
trans 1,2-Dichloroethene	mg/l	0.001	No WSV	48	1	<1	0																									2
Dichloromethane	mg/l	0.005	0.02	48	5	<5	0																									2
Carbon Disulphide	mg/l	0.001	No WSV	48	1	<1	0																									2
1,1-Dichloroethene	mg/l	0.001	No WSV	48	1	<1	0																									2
1,1-Dichloroethane	mg/l	0.001	No WSV	48	1	<1	0																									6
cis 1,2-Dichloroethene	mg/l	0.001	No WSV	48	1	<1	0																									2
Bromochloromethane	mg/l	0.005	No WSV	48	<4	<5	0																									6
Chloroform	mg/l	0.001	0.0025	48	1	<1	0																									6
2,2-Dichloropropane	mg/l	0.001	No WSV	48	1	<1	0																									2
1,2-Dichloroethane	mg/l	0.002	0.01	48	<1	<2	0																									6
1,1,1-Trichloroethane	mg/l	0.001	0.1	48	1	<1	0																									6
1,1-Dichloropropene	mg/l	0.001	No WSV	48	1	<1	0																									6
Benzene	mg/l	0.001	0.01	48	1	<1	0																									6
Carbon Tetrachloride	mg/l	0.001	0.012	48	1	<1	0																									6
Dibromomethane	mg/l	0.001	No WSV	48	1	<1	0																									6
1,2-Dichloropropane	mg/l	0.001	N/A	48	1	<1	0																									6
Bromodichloromethane	mg/l	0.01	N/A	48	<4	<10	0																									6
Trichloroethene	mg/l	0.001	0.01	48	1	<1	0																									2
cis 1,3-Dichloropropene	mg/l	0.001	No WSV	48	1	<1	0																									6
trans 1,3-Dichloropropene	mg/l	0.001	No WSV	48	1	<1	0																									6
1,1,2-Trichloroethane	mg/l	0.001	0.4	48	1	<1	0																									6
Toluene	mg/l	0.001	0.074	48	1	<1	0																									6
1,3-Dichloropropane	mg/l	0.001	No WSV	48	1	<1	0																									6
Dibromochloromethane	mg/l	0.003	N/A	48	<1	<3	0																									6
1,2-Dibromoethane	mg/l	0.001	N/A	48	1	<1	0																									6
Tetrachloroethene	mg/l	0.001	0.01	48	1	<1	0																									2
1,1,1,2-Tetrachloroethane	mg/l	0.001	No WSV	48	1	<1	0																									6
Chlorobenzene	mg/l	0.001	N/A	48	1	<1	0																									6
Ethylbenzene	mg/l	0.001	0.02	48	1	<1	0																									6
m & p Xylene	mg/l	0.001	No WSV	48	1	<2	0																									6
Bromoform	mg/l	0.001	N/A	48	1	<1	0																									6
Styrene	mg/l	0.001	0.05	48	1	<1	0																									6
1,1,2,2-Tetrachloroethane	mg/l	0.001	No WSV	48	1	<1	0																									6
o-Xylene	mg/l	0.001	See Xylenes (total)	48	1	<1	0																									6
1,2,3-Trichloropropane	mg/l	0.001	No WSV	48	1	<1	0																									6
Isopropylbenzene	mg/l	0.001	No WSV	48	1	<1	0																									6
Bromobenzene	mg/l	0.001	No WSV	48	1	<1	0																									6
2-Chlorotoluene	mg/l	0.001	No WSV	48	1	<1	0																									6
n-propylbenzene	mg/l	0.001	No WSV	48	1	<1	0																									6
4-Chlorotoluene	mg/l	0.001	No WSV	48	1	<1	0																									6
1,2,4-Trimethylbenzene	mg/l	0.001	No WSV	48	1	<1	0																									6
4-Isopropyltoluene	mg/l	0.001	No WSV	48	1	<1	0																									6
1,3,5-Trimethylbenzene	mg/l	0.001	No WSV	48	1	<1	0																									6
1,2-Dichlorobenzene	mg/l	0.001	0.02	48	1	<1	0																									6
1,4-Dichlorobenzene	mg/l	0.001	0.02	48	1	<1	0																									6
sec-Butylbenzene	mg/l	0.001	No WSV	48	1	<1	0																									6
tert-Butylbenzene	mg/l	0.002	No WSV	48	<1	<2	0																									6
1,3-Dichlorobenzene	mg/l	0.001	No WSV	48	1	<2	0																									6
n-butylbenzene	mg/l	0.001	No WSV	48	1	<1	0																									6
1,2-Dibromo-3-chloropropane	mg/l	0.002	N/A	48	<1	<2	0																									6
1,2,4-Trichlorobenzene	mg/l	0.003	No WSV	48	<1	<3	0																									6
1,2,3-Trichlorobenzene	mg/l	0.003	No WSV	48	<1	<3	0																									6
Hexachlorobutadiene	mg/l	0.001	0.0006	48	1	<1	0																									6
TPH CWG																																0
Aliphatic TPH >C5-C6	mg/l	0.001	0.01	48	1	<1	0																									2
Aliphatic TPH >C6-C8	mg/l	0.001	0.01	48	1	<1	0																									2
Aliphatic TPH >C8-C10	mg/l	0.005	0.01	48	10	<10	0																									2
Aliphatic TPH >C10-C12	mg/l	0.005	0.01	48	5	<5	0																									2
Aliphatic TPH >C12-C16	mg/l	0.005	0.01	48	5	<5	0																									2
Aliphatic TPH >C16-C21	mg/l	0.005	0.01	48	5	<5	0																									2
Aliphatic TPH >C21-C35	mg/l	0.005	0.01	48	9	9	1	POND SAMPLE, 4.5m																								2
Total Aliphatics	mg/l	0.005	No WSV	48	14	14	0																									2
Aromatic TPH >C5-C7	mg/l	0.001	0.01	48	1	<1	0																									2
Aromatic TPH >C7-C8	mg/l	0.001	0.01	48	1	<1	0																									2
Aromatic TPH >C8-C10	mg/l	0.005	0.01	48	10	<10	0																									2

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ATKINS

Assessment Criteria :								*Manual SSAC*
CaCO (mg/l):	102.00			pH	6.96			
Calcium (mg/l):	27.00			DOC (mg/l)	4.90		Catchment area:	Freshwater not listed

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	BH1	BH2	BH3	BH4	BH5	BH6	BH101	BH103	BH4454	BH4455	BH4456	BH4458	BH4459	BH4460	BH4461	BH4462	BH4485	BH7	BH4486	ATK BH5907	ATK BH5910	BH4463	QAQC1	
									6m	5.5m	5.5m	5.5m	5m	4.5m	6m	5.75m	6m	6m	5m	6.2m	8.75m	13.75m	11.25m	9.25m	4.2m	4.35m	5.1m	10m	6.2m	6.8m	None Supplied/m	
									12/05/2022	11/05/2022	11/05/2022	11/05/2022	12/05/2022	12/05/2022	12/05/2022	12/05/2022	11/05/2022	11/05/2022	11/05/2022	11/05/2022	11/05/2022	12/05/2022	12/05/2022	12/05/2022	12/05/2022	13/05/2022	13/05/2022	09/08/2022	09/08/2022	09/08/2022	09/08/2022	
Aromatic TPH >C10-C12	mg/l	0.005	0.01	48	5	<5	0																									2
Aromatic TPH >C12-C16	mg/l	0.005	0.01	48	5	<5	0																									2
Aromatic TPH >C16-C21	mg/l	0.005	0.01	48	5	<5	0																									2
Aromatic TPH >C21-C35	mg/l	0.01	0.01	48	28	28	1	POND SAMPLE, 4.5m																								2
Total Aromatics	mg/l	0.01	No WSV	48	34	34	0																									2
TPH (Ali & Aro >C5-C35)	mg/l	0.01	No WSV	48	48	48	0																									2
Benzene	mg/l	0.001	0.01	48	1	<1	0																									2
Toluene	mg/l	0.001	0.074	48	1	<1	0																									2
Ethyl Benzene	mg/l	0.001	No WSV	48	1	<1	0																									2
m & p Xylene	mg/l	0.001	No WSV	48	1	<1	0																									2
o Xylene	mg/l	0.001	No WSV	48	1	<1	0																									2
MTBE	mg/l	0.001	No WSV	48	1	<1	0																									2
VOCs																																0
Dichlorodifluoromethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
Chloromethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
Vinyl Chloride	mg/l	0.000001	N/A	49	<0.001	<0.001	0																									41
Bromomethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
Chloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
Trichlorofluoromethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
1,1-dichloroethylene	mg/l	0.000001	N/A	49	<0.001	<0.001	0																									41
Methylene Chloride	mg/l	0.000001	No WSV	49	<0.027	<0.027	0																									37
Cis-1,2-dichloroethene	mg/l	0.000001	No WSV	49	0	0	0																									0
Trans-1,2-dichloroethylene	mg/l	0.000001	N/A	49	<0.001	<0.001	0																									41
1,1-dichloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
Cis-1,2-dichloroethylene	mg/l	0.000001	N/A	49	<0.001	0.017	0																									41
2,2-dichloropropane	mg/l	0.000001	No WSV	49	<0.002	<0.002	0																									41
Bromochloromethane	mg/l	0.000001	No WSV	49	<0.004	<0.004	0																									41
Chloroform	mg/l	0.000001	0.0025	49	<0.001	<0.001	0																									41
1,1,1-trichloroethane	mg/l	0.000001	0.1	49	<0.001	<0.001	0																									41
1,1-dichloropropene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
Carbon tetrachloride	mg/l	0.000001	0.012	49	<0.001	<0.001	0																									41
Benzene	mg/l	0.000001	0.01	49	<0.001	<0.001	0																									41
1,2-dichloroethane	mg/l	0.000001	0.01	49	<0.001	<0.001	0																									41
Trichloroethylene	mg/l	0.000001	0.01	49	<0.001	<0.001	0																									41
1,2-dichloropropane	mg/l	0.000001	N/A	49	<0.001	<0.001	0																									41
Dibromomethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
Bromodichloromethane	mg/l	0.000001	N/A	49	<0.004	<0.004	0																									41
cis-1,3-dichloropropene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
Toluene	mg/l	0.000001	0.074	49	<0.001	<0.001	0																									41
trans-1,3-dichloropropene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
1,1,2-trichloroethane	mg/l	0.000001	0.4	49	<0.001	<0.001	0																									41
Tetrachloroethylene	mg/l	0.000001	0.01	49	<0.001	<0.001	0																									41
1,3-dichloropropane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
Dibromochloromethane	mg/l	0.000001	N/A	49	<0.001	<0.001	0																									41
1,2-dibromoethane	mg/l	0.000001	N/A	49	<0.001	<0.001	0																									41
Chlorobenzene	mg/l	0.000001	N/A	49	<0.001	<0.001	0																									41
1,1,1,2-tetrachloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
Ethylbenzene	mg/l	0.000001	0.02	49	<0.001	<0.001	0																									41
m+p-Xylene	mg/l	0.000001	No WSV	49	<0.002	<0.002	0																									41
o-Xylene	mg/l	0.000001	See Xylenes (total)	49	<0.001	<0.001	0																									41
Styrene	mg/l	0.000001	0.05	49	<0.001	<0.001	0																									41
Bromoform	mg/l	0.000001	N/A	49	<0.001	<0.001	0																									41
Isopropylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
1,1,2,2-tetrachloroethane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
Bromobenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
1,2,3-trichloropropane	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
n-propylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
2-chlorotoluene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
1,3,5-trimethylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
4-chlorotoluene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
Tert-butylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
1,2,4-trimethylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
sec-butylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
p-isopropyltoluene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
1,3-dichlorobenzene	mg/l	0.000001	No WSV	49	<0.002	<0.002	0																									41
1,4-dichlorobenzene	mg/l	0.000001	0.02	49	<0.001	<0.001	0																									41
n-butylbenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
1,2-dichlorobenzene	mg/l	0.000001	0.02	49	<0.001	<0.001	0																									41
1,2-dibromo-3-chloropropane	mg/l	0.000001	N/A	49	<0.001	<0.001	0																									41
1,2,4-trichlorobenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
Hexachlorobutadiene	mg/l	0.000001	0.0006	49	<0.001	<0.001	0																									41
Naphthalene	mg/l	0.000001	0.002	49	<0.001	<0.001	0																									41
1,2,3-trichlorobenzene	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
MTBE	mg/l	0.000001	No WSV	49	<0.001	<0.001	0																									41
SVOCs																																0
Aniline	mg/l	0.00005	No WSV	49	0	0	0																									0
Phenol	mg/l	0.00005	0.0077	49	0	0	0																									0
2-Chlorophenol	mg/l	0.00005	0.05	49	0	0	0																									0
Bis(2-chloroethyl)ether	mg/l	0.00005	No WSV	49	0	0	0																									0
1,3-Dichlorobenzene	mg/l	0.00005	No WSV	49	0	0	0																									0
1,2-Dichlorobenzene	mg/l	0.00005	0.02	49	0	0	0																									0
1,4-Dichlorobenzene	mg/l	0.00005	0.02	49	0	0	0																									0
Bis(2-chloroisopropyl)ether	mg/l	0.00005	No WSV	49	0	0	0																									0
2-Methylphenol	mg/l	0.00005	No WSV	49	0	0	0																									0
Hexachloroethane	mg/l	0.00005	No WSV	49	0	0	0																									0
Nitrobenzene	mg/l	0.00005	No WSV	49	0	0	0																									0
4-Methylphenol	mg/l	0.00005	No WSV	49	0	0	0																									0
Isophorone	mg/l	0.00005	No WSV	49	0	0	0																									0
2-Nitrophenol	mg/l	0.00005	No WSV	49	0	0	0																									0
2,4-Dimethylphenol	mg/l	0.00005	No WSV	49	0	0	0																									0
Bis(2-chloroethoxy)methane	mg/l	0.00005	No WSV	49	0	0	0																									0
1,2,4-Trichlorobenzene	mg/l	0.00005	No WSV	49	0	0	0																									0
Naphthalene	mg/l	0.00001	0.002	49	0	0	0																									0
2,4-Dichlorophenol	mg/l	0.00005	0.0042	49	0	0	0																									0
4-Chloroaniline	mg/l	0.00005	No WSV	49	0	0	0																									0
Hexachlorobutadiene	mg/l	0.00005	0.0006	49	0	0	0																									0
4-Chloro-3-methylphenol	mg/l	0.00005	0.04	49	0	0	0																									0
2,4,6-Trichlorophenol	mg/l	0.00005	N/A	49	0	0	0																									0
2,4,5-Trichlorophenol	mg/l	0.00005	No WSV	49	0	0	0																									0
2-Methylnaphthalene	mg/l	0.00005	No WSV	49	0	0	0																									0
2-Chloronaphthalene	mg/l	0.00005	No WSV	49	0	0	0																									0
Dimethylphthalate	mg/l	0.00005	0.8	49	0	0	0																									0
2,6-Dinitrotoluene	mg/l	0.00005	No WSV	49	0	0	0																									0
Acenaphthylene	mg/l	0.00001	Screen BaP only	49	0	0	0																									0
Acenaphthene	mg/l	0.00001	Screen BaP only	49	0	0	0																									0
2,4-Dinitrotoluene	mg/l	0.00005	No WSV	49	0	0	0																									0
Dibenzofuran	mg/l	0.00005	No WSV	49	0	0	0																									0
4-Chlorophenyl phenyl ether	mg/l	0.00005	No WSV	49	0	0	0																									0
Diethyl phthalate	mg/l	0.00005	No WSV	49	0	0	0																									0
4-Nitroaniline	mg/l	0.00005	No WSV	49	0	0	0																									0
Fluorene	mg/l	0.00001	N/A	49	0	0	0																									0
Azobenzene	mg/l	0.00005	No WSV	49	0	0	0																									0
Bromophenyl phenyl ether	mg/l	0.00005	No WSV	49	0	0	0																									0
Hexachlorobenzene	mg/l	0.00005	0.00005	49	0	0	0																									0
Phenanthrene	mg/l	0.00001	Screen BaP only	49	0	0	0																									0
Anthracene	mg/l	0.00001	0.0001	49	0	0	0																									0
Carbazole	mg/l	0.00005	No WSV	49	0	0	0																									0
Dibutyl phthalate	mg/l	0.00005	0.008	49	0	0	0																									0
Anthraquinone	mg/l	0.00005	No WSV	49	0	0	0																									0
Fluoranthene	mg/l	0.00001	0.0000063	49	0	0	0																									0
Pyrene	mg/l	0.00001	N/A	49	0	0	0																									0
Butyl benzyl phthalate	mg/l	0.00005	No WSV	49	0	0	0																									0
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	49	0	0	0																									0
Chrysene	mg/l	0.00001	Screen BaP only	49	0	0	0																									0
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	49	0	0	0																									0
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	49	0	0	0																									0
Benzo(a)pyrene	mg/l	0.00001	0.00000017	49	0	0	0																									0
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	No WSV	49	0	0	0																									0
Dibenz(a,h)anthracene	mg/l	0.00001	N/A	49	0	0	0																									0
Benzo(ghi)perylene	mg/l	0.00001	Screen BaP only	49	0	0	0																									0
5&4-Methylphenol	mg/l	0.0001	No WSV	49	0	0	0																									0
Methane	mg/L	0.1	No WSV	49	0	0	0																									0

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ATKINS CatWasteSoil

Classification Assessment Tool of Soil Wastes - Hazard Summary Sheet

Site Name	Demex Landfill
Location	Ravensthorpe
Site ID	
Job Number	5186546
Date	9/15/2022
User Name	lucy.rutland@atkinsglobal.com
Company Name	Atkins

Hole ID	Sample Depth	Hazardous Waste Y/N	HP1	HP2	HP3	HP4	HP5	HP6	HP7	HP8	HP9
BH4454	0.4m	N	No	No	No	No	No	No	No	No	No
BH4454	1.8m	N	No	No	No	No	No	No	No	No	No
BH4886	0.3m	N	No	No	No	No	No	No	No	No	No
BH4452	0.9m	N	No	No	No	No	No	No	No	No	No
BH4452	3.1m	N	No	No	No	No	No	No	No	No	No
BH4456	0.2m	N	No	No	No	No	No	No	No	No	No
BH4456	1.5m	N	No	No	No	No	No	No	No	No	No
ATK BH5905	1.2m	N	No	No	No	No	No	No	No	No	No
ATK BH5905	4.4m	N	No	No	No	No	No	No	No	No	No
ATK BH5905	7m	N	No	No	No	No	No	No	No	No	No
BH4462	0.5m	N	No	No	No	No	No	No	No	No	No
BH4462	1m	N	No	No	No	No	No	No	No	No	No
BH4462	5m	N	No	No	No	No	No	No	No	No	No
BH4462	9m	N	No	No	No	No	No	No	No	No	No
BH4455	0.5m	N	No	No	No	No	No	No	No	No	No
BH4455	1m	N	No	No	No	No	No	No	No	No	No
BH4455	5m	N	No	No	No	No	No	No	No	No	No
BH4460	0.5m	N	No	No	No	No	No	No	No	No	No
BH4460	1m	N	No	No	No	No	No	No	No	No	No
BH4460	5m	N	No	No	No	No	No	No	No	No	No
BH4461	1m	N	No	No	No	No	No	No	No	No	No
BH4461	4m	N	No	No	No	No	No	No	No	No	No
ATK BH5907	0.5m	N	No	No	No	No	No	No	No	No	No
ATK BH5907	4m	N	No	No	No	No	No	No	No	No	No
ATK BH5907	7m	N	No	No	No	No	No	No	No	No	No
BH5906	11m	N	No	No	No	No	No	No	No	No	No
BH5906	12m	N	No	No	No	No	No	No	No	No	No
BH5906	13m	N	No	No	No	No	No	No	No	No	No

ATKINS CatWasteSoil

Classification Assessment Tool of Soil Wastes - Hazard Summary Sheet

Site Name	Demex Landfill
Location	Ravensthorpe
Site ID	
Job Number	5186546
Date	9/15/2022
User Name	lucy.rutland@atkinsglobal.com
Company Name	Atkins

Hole ID	Sample Depth	Hazardous Waste Y/N	HP1	HP2	HP3	HP4	HP5	HP6	HP7	HP8	HP9
ATK BH5910	0.2m	N	No	No	No	No	No	No	No	No	No
ATK BH5910	1m	N	No	No	No	No	No	No	No	No	No
ATK BH5910	5m	N	No	No	No	No	No	No	No	No	No
ATK BH5906	0.5m	N	No	No	No	No	No	No	No	No	No
ATK BH5906	6m	N	No	No	No	No	No	No	No	No	No
ATK BH5906	7m	N	No	No	No	No	No	No	No	No	No
BH4463	0.3m	N	No	No	No	No	No	No	No	No	No
BH4463	1.2m	N	No	No	No	No	No	No	No	No	No
BH4885	0.3m	N	No	No	No	No	No	No	No	No	No
BH4459	0.5m	N	No	No	No	No	No	No	No	No	No

ATKINS CatWasteSoil

Classification Assessment Tool of Soil Wastes - Hazard Summary Sheet

Site Name	Demex Landfill
Location	Ravensthorpe
Site ID	
Job Number	5186546
Date	9/15/2022
User Name	lucy.rutland@atkinsglobal.com
Company Name	Atkins

Hole ID	Sample Depth	Hazardous Waste Y/N	HP1	HP2	HP3	HP4	HP5	HP6	HP7	HP8	HP9

This output data has been generated by the CAT-Waste Soil waste classification tool provided by Atkins Consultants Ltd and J.McArdle Contracts and should be read in conjuntion with the standard Terms and Conditions

16:47 28/11/2022

ATKINS CatWasteSoil

Classification Assessment Tool of Soil Wastes - Hazard Summary Sheet

Site Name	Demex Landfill
Location	Ravensthorpe
Site ID	
Job Number	5186546
Date	9/15/2022
User Name	lucy.rutland@atkinsglobal.com
Company Name	Atkins

Hole ID	Sample Depth	Hazardous Waste Y/N	HP1	HP2	HP3	HP4	HP5	HP6	HP7	HP8	HP9

ATKINS CatWasteSoil

Classification Assessment Tool of Soil Wastes - Hazard Summary Sheet

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ATKINS CatWasteSoil

Site Name	Demex Landfill
Location	Ravensthorpe
Site ID	
Job Number	5186546
Date	9/15/2022
User Name	lucy.rutland@atkinsglobal.com
Company Name	Atkins

Hole ID	Sample Depth	Hazardous Waste Y/N	HP10	HP11	HP12	HP13	HP14	HP15	HP16
BH4454	0.4m	N	No	No	No	No	No	No	No
BH4454	1.8m	N	No	No	No	No	No	No	No
BH4886	0.3m	N	No	No	No	No	No	No	No
BH4452	0.9m	N	No	No	No	No	No	No	No
BH4452	3.1m	N	No	No	No	No	No	No	No
BH4456	0.2m	N	No	No	No	No	No	No	No
BH4456	1.5m	N	No	No	No	No	No	No	No
ATK BH5905	1.2m	N	No	No	No	No	No	No	No
ATK BH5905	4.4m	N	No	No	No	No	No	No	No
ATK BH5905	7m	N	No	No	No	No	No	No	No
BH4462	0.5m	N	No	No	No	No	No	No	No
BH4462	1m	N	No	No	No	No	No	No	No
BH4462	5m	N	No	No	No	No	No	No	No
BH4462	9m	N	No	No	No	No	No	No	No
BH4455	0.5m	N	No	No	No	No	No	No	No
BH4455	1m	N	No	No	No	No	No	No	No
BH4455	5m	N	No	No	No	No	No	No	No
BH4460	0.5m	N	No	No	No	No	No	No	No
BH4460	1m	N	No	No	No	No	No	No	No
BH4460	5m	N	No	No	No	No	No	No	No
BH4461	1m	N	No	No	No	No	No	No	No
BH4461	4m	N	No	No	No	No	No	No	No
ATK BH5907	0.5m	N	No	No	No	No	No	No	No
ATK BH5907	4m	N	No	No	No	No	No	No	No
ATK BH5907	7m	N	No	No	No	No	No	No	No
BH5906	11m	N	No	No	No	No	No	No	No
BH5906	12m	N	No	No	No	No	No	No	No
BH5906	13m	N	No	No	No	No	No	No	No

ATKINS CatWasteSoil

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Site ID	
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User Name	lucy.rutland@atkinsglobal.com
Company Name	Atkins

Hole ID	Sample Depth	Hazardous Waste Y/N	HP10	HP11	HP12	HP13	HP14	HP15	HP16
ATK BH5910	0.2m	N	No	No	No	No	No	No	No
ATK BH5910	1m	N	No	No	No	No	No	No	No
ATK BH5910	5m	N	No	No	No	No	No	No	No
ATK BH5906	0.5m	N	No	No	No	No	No	No	No
ATK BH5906	6m	N	No	No	No	No	No	No	No
ATK BH5906	7m	N	No	No	No	No	No	No	No
BH4463	0.3m	N	No	No	No	No	No	No	No
BH4463	1.2m	N	No	No	No	No	No	No	No
BH4885	0.3m	N	No	No	No	No	No	No	No
BH4459	0.5m	N	No	No	No	No	No	No	No

ATKINS CatWasteSoil

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Site ID	
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User Name	lucy.rutland@atkinsglobal.com
Company Name	Atkins

Hole ID	Sample Depth	Hazardous Waste Y/N	HP10	HP11	HP12	HP13	HP14	HP15	HP16

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Hole ID	Sample Depth	Hazardous Waste Y/N
BH4454	0.4m	N
BH4454	1.8m	N
BH4886	0.3m	N
BH4452	0.9m	N
BH4452	3.1m	N
BH4456	0.2m	N
BH4456	1.5m	N
ATK BH5905	1.2m	N
ATK BH5905	4.4m	N
ATK BH5905	7m	N
BH4462	0.5m	N
BH4462	1m	N
BH4462	5m	N
BH4462	9m	N
BH4455	0.5m	N
BH4455	1m	N
BH4455	5m	N
BH4460	0.5m	N
BH4460	1m	N
BH4460	5m	N
BH4461	1m	N
BH4461	4m	N
ATK BH5907	0.5m	N
ATK BH5907	4m	N
ATK BH5907	7m	N
BH5906	11m	N
BH5906	12m	N
BH5906	13m	N

ATKINS CatWasteSoil

Site Name	Demex Landfill
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Site ID	
Job Number	5186546
Date	9/15/2022
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Company Name	Atkins

Hole ID	Sample Depth	Hazardous Waste Y/N
ATK BH5910	0.2m	N
ATK BH5910	1m	N
ATK BH5910	5m	N
ATK BH5906	0.5m	N
ATK BH5906	6m	N
ATK BH5906	7m	N
BH4463	0.3m	N
BH4463	1.2m	N
BH4885	0.3m	N
BH4459	0.5m	N

ATKINS CatWasteSoil

Site Name	Demex Landfill
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Hole ID	Sample Depth	Hazardous Waste Y/N

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Company Name	Atkins

Hole ID	Sample Depth	Hazardous Waste Y/N

Assessment Criteria : *Commercial - 6% SOM Sandy Loam*

☐ **Use MRL Values?**

Constituent	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedances	Locations of Exceedances	BH4454	BH4454	BH4886	BH4452	BH4452	BH4456	BH4456	ATK BH5905	ATK BH5905	ATK BH5905	BH4462	BH4462	BH4462	BH4462	BH4455	BH4455	BH4455	BH4460	BH4460	BH4460	BH4461	BH4461	ATK BH590	ATK BH590	ATK BH590	BH5906	BH5906	BH5906	ATK BH591	ATK BH591	ATK BH591	ATK BH590	ATK BH590	ATK BH590	BH4463	BH4463	BH4885	BH4459
								Location	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
								Depth	0.4m	1.8m	0.3m	0.9m	3.1m	0.2m	1.5m	1.2m	4.4m	7m	0.5m	1m	5m	9m	0.5m	1m	5m	0.5m	1m	5m	1m	4m	0.5m	4m	7m	11m	12m	13m	0.2m	1m	5m	0.5m	6m	7m	0.3m	1.2m	0.3m	0.5m
								Date	24/09/2020	24/09/2020	23/09/2020	10/09/2020	16/09/2020	18/09/2020	18/09/2020	19/10/2020	19/10/2020	20/10/2020	N/A	N/A	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########
								Strata / Zone																																						
% Stones >10mmA	% w/w	0.1	No SSV	33	<0.1	31.2	0		<0.1	<0.1	8.8	17.7	7.6	<0.1	14.9	7.2	-	<0.1	24.9	14.2	<0.1	-	2.5	15.5	3.7	16.9	2.5	16.1	13.2	20.8	7.5	<0.1	<0.1	-	-	-	3.3	<0.1	<0.1	28	21.6	<0.1	<0.1	12.9	<0.1	31.2
pH	pH	0.01	No SSV	32	5.57	10.92	0		7.73	7.75	8	5.57	7.28	8.66	8.93	8.32	-	8.07	8.09	8.13	9.45	-	7.17	6.38	8.17	8.33	7.72	7.99	8.11	7.76	7.9	7.8	7.91	-	-	-	8.18	8.43	10.92	8.16	8.46	-	8.34	7.51	8.06	8.12
Cyanide (free)	mg/kg	1	373	33	<1	<1	0		<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<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 (complex)	mg/kg	1	No SSV	33	<1	<1	0		<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<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 (total)	mg/kg	1	No SSV	33	<1	<1	0		<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thiocyanate	mg/kg	5	No SSV	33	<5	7	0		<5	<5	<5	<5	<5	<5	<5	<5	-	<5	<5	<5	<5	-	<5	<5	<5	<5	<5	7	<5	<5	<5	<5	<5	-	-	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Phenol	mg/kg	0.2	3170	33	<0.2	<0.2	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	<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
Total Organic Carbon	mg/kg	0.03	No SSV	32	0.42	24.6	0		14.6	0.42	2.75	24.6	0.48	3.26	3.34	3.16	-	5.34	2.48	0.91	3.02	-	2.68	4.29	1.71	2.15	3.77	2.53	3.88	2.39	2.55	2.36	3.36	-	-	-	2.66	1.08	2.73	2.13	2	-	11.1	1.27	18.2	1.6
Antimony	mg/kg	5	4650	32	<5	19	0		<5	<5	<5	19	<5	<5	<5	<5	-	<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	mg/kg	1	635	32	<1	104	0		76	3	5	54	2	10	18	<1	-	5	5	<1	7	-	3	3	6	7	8	11	6	4	6	6	6	-	-	-	6	5	9	5	5	-	100	5	104	4
Beryllium	mg/kg	0.5	14	32	0.6	1.8	0		1.4	1.6	0.9	1.5	1	1	1	1.1	-	0.8	0.8	0.9	0.9	-	1.3	0.9	1.3	1	0.7	0.8	1.3	0.9	1.1	0.8	1	-	-	-	0.9	1	0.6	0.6	0.9	-	1.5	0.8	1.8	0.6
Boron	mg/kg	1	No SSV	32	<1	3	0		1.5	1.8	<1	<1	<1	<1	2	<1	-	<1	<1	<1	3	-	<1	<1	1.2	<1	<1	2.8	<1	1.4	1.1	1.8	1.8	-	-	-	<1	<1	<1	<1	2.4	-	2.7	<1	1.2	<1
Cadmium	mg/kg	1	410	32	0.7	2	0		1	1	0.9	1.3	0.7	0.8	0.8	1.3	-	0.9	0.9	1	1	-	2	1.4	1.8	1.1	1.2	1.1	1	1	1	0.8	1	-	-	-	1.5	1.8	1.9	0.9	0.7	-	1.8	1.4	1.8	0.8
Copper	mg/kg	1	106000	32	11	394	0		81	11	19	394	25	79	32	25	-	26	26	26	38	-	27	20	58	32	38	56	40	32	45	41	43	-	-	-	24	27	85	30	196	-	87	25	115	34
Chromium	mg/kg	1	208000	32	17	160	0		25	27	26	25	17	27	32	32	-	18	25	30	39	-	29	21	39	22	20	22	49	26	44	46	31	-	-	-	22	27	49	23	160	-	44	20	28	21
Chromium (hexavalent)	mg/kg	0.17	49.1	32	<1	1	0		1	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1
Lead	mg/kg	1	2310	32	17	298	0		105	19	18	134	20	103	37	30	-	277	48	51	298	-	22	17	57	56	72	102	52	70	49	125	104	-	-	-	22	25	38	57	72	-	139	28	107	48
Mercury	mg/kg	1		32	<0.17	1.41	0		0.44	<0.17	<0.17	<0.17	<0.17	0.66	0.31	0.62	-	0.34	0.36	<0.17	1.02	-	<0.17	<0.17	<0.17	0.64	<0.17	0.85	0.32	0.94	0.38	0.89	1.41	-	-	-	<0.17	<0.17	1.22	<0.17	<0.17	-	<0.17	<0.17	<0.17	0.67
Nickel	mg/kg	1	1770	32	13	53	0		36	25	30	35	23	29	26	26	-	27	18	21	47	-	32	25	25	18	13	18	30	22	52	22	25	-	-	-	25	28	29	19	53	-	40	24	44	18
Selenium	mg/kg	5	13000	32	<1	3	0		2	2	2	2	3	3	3	2	-	<1	<1	<1	1	-	2	2	2	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	<1	1	1	<1	2	-	1	<1	2	<1
Vanadium	mg/kg	0.01	7490	32	16	43	0		43	38	27	41	22	29	37	33	-	16	23	29	26	-	30	21	39	24	27	22	40	32	35	29	35	-	-	-	19	24	21	26	36	-	37	18	42	23
Zinc	mg/kg	0.01	1100000	32	62	306	0		104	92	75	70	63	182	79	134	-	103	71	80	133	-	89	62	138	77	75	148	87	112	98	122	107	-	-	-	73	78	83	87	112	-	306	68	131	83
TPH aliphatic C5-C6	mg/kg	1	29400	29	<0.01	<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	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	-	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	<0.01
TPH aliphatic C6-C8	mg/kg	1	98200	29	<0.01	<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	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	-	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	<0.01
TPH aliphatic C8-C10	mg/kg	1	14800	29	<1	7	0		5	<1	<1	7	<3	<3	<3	<1	-	<5	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	-	-	-	-	<1	<1	-	-	-	3	<1	6	<1
TPH aliphatic C10-C12	mg/kg	1	69500	29	<1	8	0		3	<1	<1	4	<1	<1	<1	<1	-	8	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	<1	1	-	-	-	2	<1	3	<1
TPH aliphatic C12-C16	mg/kg	1	139000	29	<1	8	0		6	<1	<1	6	<1	2	3	2	-	<5	<1	<1	2	-	<1	<1	4	<1	<1	<1	<1	4	2	4	<1	-	-	-	-	<1	4	-	-	-	5	<1	8	2
TPH aliphatic C16-C21	mg/kg	1	3620000	29	<1	12	0		6	<1	<1	8	<1	2	7	3	-	12	2	<1	5	-	<1	<1	7	3	1	3	<1	11	4	4	9	-	-	-	-	4	7	-	-	-	7	<1	9	3
TPH alipahtic C21-C35	mg/kg	1	No SSV	29	<1	813	0		32	5	4	52	<1	19	69	26	-	813	12	8	106	-	1	<1	182	63	17	83	10	186	63	242	438	-	-	-	-	95	77	-	-	-	27	11	29	31
TPH alipahtic C35-C44	mg/kg	1	No SSV	29	<1	239	0		5	<1	<1	12	<1	9	42	12	-	239	3	2	28	-	<1	<1	48	26	4	65	6	158	91	79	134	-	-	-	-	99	59	-	-	-	8	3	9	30
Total Aliphatics	mg/kg	1	No SSV	29	<1	1070	0		57	5	4	89	<1	35	121	43	-	1070	17	11	142	-	1	<1	241	92	22	152	17	358	161	330	581	-	-	-	-	198	149	-	-	-	52	15	65	66
TPH aromatic C5-C7 (Benzene)	mg/kg	0.01	98	29	<0.01	<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	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	-	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	<0.01
TPH aromatic C7-C8 (Toluene)	mg/kg	0.01	183000	29	<0.01	0.05	0		<0.01	<0.01	<0.01	<0.01	<0.01	<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	<0.01	-	-	-	-	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	<0.01
TPH aromatic C8-C10	mg/kg	1	20800	29	<1	9	0		8	<1	<1	9	<2	3	<2	<1	-	<5	2	2	2	-	<1	<1	2	2	2	<1	2	2	3	3	2	-	-	-	-	1	6	-	-	-	5	<1	7	<1
TPH aromatic C10-C12	mg/kg	1	53800	29	<1	7	0		7	<1	<1	7	<1	3	<1	<1	-	6	2	<1	2	-	<1	<1	2	<1	<1	<1	<1	2	2	3	2	-	-	-	-	1	6	-	-	-	3	<1	7	2
TPH aromatic C12-C16	mg/kg	1	65400	29	<1	23	0		20	1	<1	19	<1	23	8	5	-	15	6	5	9	-	<1	<1	8	6	2	4	3	15	7	15	5	-	-	-	-	2	19	-	-	-	11	2	19	9
TPH aromatic C16-C21	mg/kg	1	28400	29	<1	120	0		23	1	<1	28	<1	83	35	23	-	66	34	13	37	-	<1	<1	28	28	9	16	8	120	28	45	37	-	-	-	-	5	56	-	-	-	15	7	22	31
TPH aromatic C21-C35	mg/kg	1	28400	29	<1	1120	0		55	6	11	79	<1	216	135	75	-	1120	87	31	127	-	<1	<1	149	120	38	99	31	519	130	142	174	-	-	-	-	87	135	-	-	-	52	24	63	94
TPH aromatic C35-C44	mg/kg	1	No SSV	29	<1	159	0		2	<1	<1	8	<1	9	47	5	-	159	3	2	21	-	<1	<1	58	27	6	65	5	144	92	72	137	-	-	-	-	105	36	-	-	-	8	2	8	20
Total Aromatics	mg/kg	1	No SSV	29	<1	1370	0		115	9	11	149	<1	337	226	108	-	1370	133	54	199	-	<1	<1	248	183	58	185	50	803	262	278	358	-	-	-	-	202	257	-	-	-	94	35	125	156
TPH (Ali & Aro >C5-C44)	mg/kg	1	No SSV	29	<1	2440	0		172	14	16	238	<1	372	346	152	-	2440	151	65	341	-	1	<1	489	275	80	337	67	1160	423	608	940	-	-	-	-	400	406	-	-	-	146	50	190	222
Asbestos in soil	n/a	n/a	No SSV	36	-	-	14	-, BH4454, 0.4m; -, BH4454, 1.8m; -, BH4456, 0.2m; -, ATK BH5905, 7m; -, BH4462, 5m; -, ATK BH5907, 4m; -, ATK BH5907, 7m; -, BH5906, 11m; -, BH5906, 12m; -, BH5906, 13m; -, ATK BH5910, 5m; -, ATK BH5906, 7m; -, BH4463, 0.3m; -, BH4885, 0.3m	Chrysotile	Amosite	NAD	NAD	NAD	Chrysotile	NAD	NAD	NAD	Amosite & Chrysotile	NAD	NAD	Chrysotile	-	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	Chrysotile	Amosite	Chrysotile	Chrysotile	Chrysotile	NAD	NAD	Amosite & Chrysotile	NAD	-	Chrysotile	Amosite	NAD	Chrysotile	NAD
Asbestos Matrix (microscope)	n/a	n/a	No SSV	14	-	-	14	-, BH4454, 0.4m; -, BH4454, 1.8m; -, BH4456, 0.2m; -, ATK BH5905, 7m; -, BH4462, 5m; -, ATK BH5907, 4m; -, ATK BH5907, 7m; -, BH5906, 11m; -, BH5906, 12m; -, BH5906, 13m; -, ATK BH5910, 5m; -, ATK BH5906, 7m; -, BH4463, 0.3m; -, BH4885, 0.3m	Loose Fibres	Loose Fibres	-	-	-	Loose Fibres	-	-	-	Board & Bitumen Product	-	-	Loose fibres	-	-	-	-	-	-	-	-	-	-	Loose Fibres	Loose Fibres & Board	Loose Fibres	Cement	Loose Fibres & Cement	-	-	Loose Fibres	-	-	Loose fibres	Loose Fibres	-	Loose Fibres	-
Asbestos ACM - Suitable for Water Absorption Test?	n/a	n/a	No SSV	36	-	-	6	-, ATK BH5905, 7m; -, BH4462, 5m; -, ATK BH5907, 4m; -, ATK BH5907, 7m; -, ATK BH5910, 5m; -, ATK BH5906, 7m	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	N/A	N/A	No	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes	No	N/A	N/A	N/A	N/A	N/A	No	N/A	-	Yes	N/A	N/A	N/A	N/A
Asbestos in soil % composition (hand picking and weighing)	% w/w	0.001	No SSV	9	<0.001	5.718	6	-, BH4454, 0.4m; -, ATK BH5905, 7m; -, BH4462, 5m; -, ATK BH5907, 4m; -, ATK BH5907, 7m; -, ATK BH5906, 7m	0.007	<0.001	-	-	-	-	-	-	-	0.024	-	-	1.635	-	-	-	-	-	-	-	-	-		1.698	0.012	-	-	-	-	-	-	-	-	5.718	<0.001	-	<0.001	-
Benzene	mg/kg	0.01	98	19	<0.01	<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	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	-
Toluene	mg/kg	0.01	183000	19	<0.01	<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	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	-
Ethyl Benzene	mg/kg	0.01	63100	19	<0.01	<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	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	-
m & p Xylene	mg/kg	0.01	No SSV	19	<0.01	<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	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	-
o Xylene	mg/kg	0.01	32700	19	<0.01	<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	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	-
Acenaphthene	mg/kg	0.01	106000	19	<0.01	1.67	0		0.05	0.01	0.01	0.06	<0.01	0.37	0.34	0.06	-	0.05	0.41	-	-	-	-	-	-	-	-	-	-	-	0.18	0.11	0.53	-	-	-	0.02	0.1	1.67	-	-	-	0.14	0.05	0.08	-
Acenaphthylene	mg/kg	0.01	No SSV	19	<0.01	0.13	0		<0.01	<0.01	<0.01	0.02	<0.01	0.03	0.09	<0.01	-	<0.01	0.13	-	-	-	-	-	-	-	-	-	-	-	0.06	0.03	0.07	-	-	-	<0.01	0.02	0.06	-	-	-	0.02	<0.01	<0.01	-
Anthracene	mg/kg	0.02	544000	19	<0.02	1.81	0		0.08	<0.02	<0.02	0.2	<0.02	0.39	0.98	0.1	-	0.06	0.94	-	-	-	-	-	-	-	-	-	-	-	0.4	0.21	1.02	-	-	-	0.05	0.3	1.81	-	-	-	0.19	0.12	0.14	-
Benzo(a)anthracene	mg/kg	0.04	BaP Surrogate	19	<0.04	3.16	0		0.3	<0.04	<0.04	0.4	<0.04	1.47	2.97	0.23	-	0.17	2.85	-	-	-	-	-	-	-	-	-	-	-	1.03	0.37	2.64	-	-	-	0.19	0.49	3.16	-	-	-	0.69	0.37	0.64	-
Benzo(a)pyrene	mg/kg	0.04	76.3	19	<0.04	2.85	0		0.29	<0.04	<0.04	0.33	<0.04	1.32	2.53	0.21	-	0.12	2.54	-	-	-	-	-	-	-	-	-	-	-	0.85	0.28	1.78	-	-	-	0.17	0.44	2.85	-	-	-	0.67	0.21	0.57	-
Benzo(b)fluoranthene	mg/kg	0.05	BaP Surrogate	19	<0.05	3.18	0		0.39	<0.05	<0.05	0.71	<0.05	1.8	2.92	0.27	-	0.19	3.1	-	-	-	-	-	-	-	-	-	-	-	1.04	0.34	1.86	-	-	-	0.23	0.55	3.18	-	-	-	0.77	0.23	0.7	-
Benzo(ghi)perylene	mg/kg	0.05	BaP Surrogate	19	<0.05	1.69	0		0.16	<0.05	<0.05	0.15	<0.05	0.83	1.69	0.11	-	0.08	1.56	-	-	-	-	-	-	-	-	-	-	-	0.46	0.15	0.98	-	-	-	0.08	0.21	1.25	-	-	-	0.24	0.08	0.24	-
Benzo(k)fluoranthene	mg/kg	0.07	BaP Surrogate	19	<0.07	1.3	0		0.15	<0.07	<0.07	0.22	<0.07	0.57	1.02	0.1	-	<0.07	1.3	-	-	-	-	-	-	-	-	-	-	-	0.41	0.13	0.73	-	-	-	0.08	0.19	1.15	-	-	-	0.29	0.1	0.26	-
Chrysene	mg/kg	0.06	BaP Surrogate	19	<0.06	3.07	0		0.39	<0.06	<0.06	0.6	<0.06	1.65	2.62	0.26	-	0.3	2.75	-	-	-	-	-	-	-	-	-	-	-	1.09	0.41	2.33	-	-	-	0.2	0.48	3.07	-	-	-	0.75	0.36	0.71	-
Dibenzo(ah)anthracene	mg/kg	0.04	BaP Surrogate	19	<0.04	0.38	0		<0.04	<0.04	<0.04	<0.04	<0.04	0.19	0.36	<0.04	-	<0.04	0.38	-	-	-	-	-	-	-	-	-	-	-	0.1	<0.04	0.22	-	-	-	<0.04	0.05	0.35	-	-	-	0.07	<0.04	0.07	-
Fluoranthene	mg/kg	0.08	72600	19	<0.08	8.04	0		0.57	0.2	0.1	0.88	<0.08	3.16	6.07	0.57	-	0.33	5.8	-	-	-	-	-	-	-	-	-	-	-	2.32	0.95	5.77	-	-	-	0.35	1.26	8.04	-	-	-	1.38	1.03	1.16	-
Fluorene	mg/kg	0.01	72000	19	<0.01	1.15	0		0.03	0.01	<0.01	0.04	<0.01	0.22	0.29	0.03	-	0.05	0.3	-	-	-	-	-	-	-	-	-	-	-	0.15	0.11	0.51	-	-	-	0.01	0.08	1.15	-	-	-	0.1	0.05	0.07	-
Indeno(123-cd)pyrene	mg/kg	0.03	BaP Surrogate	19	<0.03	2.08	0		0.18	<0.03	<0.03	0.19	<0.03	0.97	2.08	0.13	-	0.07	1.91	-	-	-	-	-	-	-	-	-	-	-	0.61	0.2	1.4	-	-	-	0.1	0.26	1.52	-	-	-	0.28	0.1	0.3	-
Naphthalene	mg/kg	0.03	1050	19	<0.03	1.34	0		0.24	0.06	0.04	0.27	<0.03	0.23	0.14	<0.03	-	<0.03	0.23	-	-	-	-	-	-	-	-	-	-	-	0.12	0.08	0.37	-	-	-	<0.03	<0.03	1.34	-	-	-	0.33	0.04	0.2	-
Phenanthrene	mg/kg	0.03	No SSV	19	<0.03	7.52	0		0.5	0.18	0.1	0.77	<0.03	2.27	2.72	0.35	-	0.3	3.08	-	-	-	-	-	-	-	-	-	-	-	1.42	0.73	4	-	-	-	0.17	0.89	7.52	-	-	-	1.02	0.83	0.8	-
Pyrene	mg/kg	0.07	54400	19	<0.07	6.88	0		0.5	0.11	0.09	0.72	<0.07	2.8	5.32	0.52	-	0.32	5.24	-	-	-	-	-	-	-	-	-	-	-	2.1	0.82	5.27	-	-	-	0.33	1.05	6.88	-	-	-	1.2	0.8	1	-
Total PAH-16	mg/kg	0.01	No SSV	19	<0.08	45	0		3.83	0.57	0.34	5.56	<0.08	18.3	32.1	2.94	-	2.04	32.5	-	-	-	-	-	-	-	-	-	-	-	12.3	4.92	29.5	-	-	-	1.98	6.37	45	-	-	-	8.14	4.37	6.94	-
Phenol	mg/kg	0.2	3170	0	-	-	0		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cresols	mg/kg	0.2	182000	0	-	-	0		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenols	mg/kg	0.2	No SSV	0	-	-	0		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Resorcinol	mg/kg	0.2	No SSV	0	-	-	0		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
Dibenzo(ah)anthracene	mg/kg	0.1	BaP Surrogate	12	<0.1	1.43	0		-	-	-	-	-	-	-	0.162	-	<0.1	-	<0.1	0.677	-	-	<0.1	0.285	-	<0.1	0.345	0.12	1.43	-	-	-	-	-	-	-	-	0.361	0.156	-	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
Phenol	mg/kg	0.1	3170	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	0.151	<0.1	-	-	-	-	-	-
Pentachlorophenol (SVOC)	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
n-Nitroso-n-dipropylamine	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
n-Dioctylphthalate	mg/kg	0.5	No SSV	12	<0.5	<5	0		-	-	-	-	-	-	-	<0.5	-	<0.5	-	<0.5	<0.5	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<5	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-	-	-	-
n-Dibutylphthalate	mg/kg	0.1	No SSV	12	<0.1	5.22	0		-	-	-	-	-	-	-	<0.1	-	5.22	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
Nitrobenzene	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
Isophorone	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
Hexachloroethane	mg/kg	0.1	110	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
Hexachlorocyclopentadiene	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
Perylene	mg/kg	0.1	No SSV	12	<0.1	2.84	0		-	-	-	-	-	-	-	0.299	-	0.199	-	0.133	1.29	-	-	<0.1	0.527	-	0.207	0.703	0.222	2.84	-	-	-	-	-	-	-	-	0.708	0.325	-	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
Diethyl phthalate	mg/kg	0.1	280000	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
Dimethyl phthalate	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
Dibenzofuran	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	0.133	-	<0.1	0.292	-	-	<0.1	0.188	-	<0.1	0.256	<0.1	<1	-	-	-	-	-	-	-	-	0.777	0.107	-	-	-	-	-	-
Carbazole	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	0.145	-	<0.1	0.556	-	-	<0.1	0.27	-	<0.1	0.497	<0.1	<1	-	-	-	-	-	-	-	-	0.725	0.158	-	-	-	-	-	-
Butylbenzyl phthalate	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	mg/kg	0.5	No SSV	12	<0.5	<5	0		-	-	-	-	-	-	-	<0.5	-	<0.5	-	<0.5	1.48	-	-	<0.5	<0.5	-	<0.5	0.965	<0.5	<5	-	-	-	-	-	-	-	-	0.77	<0.5	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
4-Nitrophenol	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<1	<1	-	-	<1	<1	-	<1	<1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
3+4-Methylphenol	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
2-Nitrophenol	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
2-Methylphenol	mg/kg	0.1	182000	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	1880	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.1	3760	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.1	29800	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	2090	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	0.136	-	-	<0.1	0.134	-	<0.1	0.133	<0.1	<1	-	-	-	-	-	-	-	-	0.364	<0.1	-	-	-	-	-	-
Acenaphthylene	mg/kg	0.1	No SSV	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	<0.1	-	<0.1	0.129	-	-	<0.1	<0.1	-	<0.1	<0.1	<0.1	<1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-
Acenaphthene	mg/kg	0.1	106000	12	<0.1	1.37	0		-	-	-	-	-	-	-	0.149	-	0.171	-	0.116	0.507	-	-	<0.1	0.362	-	0.168	0.45	<0.1	<1	-	-	-	-	-	-	-	-	1.37	0.202	-	-	-	-	-	-
Anthracene	mg/kg	0.1	544000	12	<0.1	3.29	0		-	-	-	-	-	-	-	0.277	-	0.22	-	0.175	1.6	-	-	<0.1	0.691	-	0.313	1.19	0.245	3.29	-	-	-	-	-	-	-	-	2.22	0.348	-	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.1	BaP Surrogate	12	<0.1	9.18	0		-	-	-	-	-	-	-	1.2	-	0.891	-	0.624	5.03	-	-	<0.1	2.25	-	0.993	2.94	0.866	9.18	-	-	-	-	-	-	-	-	3.3	1.21	-	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.1	BaP Surrogate	12	<0.1	12.3	0		-	-	-	-	-	-	-	1.07	-	0.633	-	0.71	4.69	-	-	<0.1	1.99	-	0.996	2.74	1.06	12.3	-	-	-	-	-	-	-	-	3.37	1.43	-	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.1	BaP Surrogate	12	<0.1	4.53	0		-	-	-	-	-	-	-	0.518	-	0.192	-	0.147	1.39	-	-	<0.1	0.788	-	0.303	0.636	0.352	4.53	-	-	-	-	-	-	-	-	1.13	0.434	-	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.1	76.3	12	<0.1	8.66	0		-	-	-	-	-	-	-	1.13	-	0.754	-	0.563	4.17	-	-	<0.1	1.88	-	0.86	2.47	0.912	8.66	-	-	-	-	-	-	-	-	2.7	1.17	-	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.1	BaP Surrogate	12	<0.1	5.3	0		-	-	-	-	-	-	-	0.544	-	0.336	-	0.304	2.46	-	-	<0.1	1.03	-	0.449	1.29	0.493	5.3	-	-	-	-	-	-	-	-	1.44	0.638	-	-	-	-	-	-
Chrysene	mg/kg	0.1	BaP Surrogate	12	<0.1	9.28	0		-	-	-	-	-	-	-	1	-	0.694	-	0.459	5.26	-	-	<0.1	1.84	-	0.791	2.75	0.858	9.28	-	-	-	-	-	-	-	-	2.8	1.03	-	-	-	-	-	-
Fluoranthene	mg/kg	0.1	72600	12	<0.1	19.4	0		-	-	-	-	-	-	-	2.06	-	1.37	-	1.05	8.1	-	-	<0.1	3.86	-	1.9	4.98	1.76	19.4	-	-	-	-	-	-	-	-	7.69	2.2	-	-	-	-	-	-
Fluorene	mg/kg	0.1	72000	12	<0.1	1.16	0		-	-	-	-	-	-	-	0.121	-	0.152	-	0.1	0.45	-	-	<0.1	0.275	-	0.123	0.429	<0.1	1.16	-	-	-	-	-	-	-	-	1.14	0.176	-	-	-	-	-	-
Phenanthrene	mg/kg	0.1	No SSV	12	<0.1	9.44	0		-	-	-	-	-	-	-	1.09	-	1.12	-	0.718	5.62	-	-	<0.1	2.7	-	1.14	4.02	0.996	9.44	-	-	-	-	-	-	-	-	7.29	1.45	-	-	-	-	-	-
Pyrene	mg/kg	0.1	54400	12	<0.1	16.5	0		-	-	-	-	-	-	-	1.93	-	1.3	-	0.937	7.48	-	-	<0.1	3.59	-	1.66	4.65	1.55	16.5	-	-	-	-	-	-	-	-	6.01	1.98	-	-	-	-	-	-
Naphthalene	mg/kg	0.1	1050	12	<0.1	<1	0		-	-	-	-	-	-	-	<0.1	-	0.137	-	<0.1	0.193	-	-	<0.1	0.122	-	<0.1	0.153	<0.1	<1	-	-	-	-	-	-	-	-	0.733	<0.1	-	-	-	-	-	-
Dichlorodifluoromethane	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
Chloromethane	mg/kg	0.01	1.49	12	<0.01	<0.02	0		-	-	-	-	-	-	-	<0.02	-	<0.02	-	<0.01	<0.01	-	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-
Vinyl Chloride (Chloroethene)	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
Bromomethane	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
Chloroethane	mg/kg	0.001	1970	12	<0.001	<0.001	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	-	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.001	86.6	12	<0.001	<0.001	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	-	-	-	-	-	-
Carbon Disulphide	mg/kg	0.001	94.5	12	<0.001	0.001	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	-	-	-	-	-	-
Dichloromethane	mg/kg	0.005	526	12	<0.005	<0.01	0		-	-	-	-	-	-	-	<0.005	-	<0.005	-	<0.01	<0.01	-	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-
trans 1,2-Dichloroethene	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0.001	803	12	<0.001	<0.001	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	-	-	-	-	-	-
cis 1,2-Dichloroethene	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
Bromochloromethane	mg/kg	0.005	No SSV	12	<0.005	<0.005	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	-	-	-	-	-	-
Chloroform	mg/kg	0.001	357	12	<0.001	<0.001	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	-	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.001	2950	12	<0.001	<0.001	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	-	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
Carbon Tetrachloride	mg/kg	0.001	152	12	<0.001	<0.001	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	-	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.002	5.09	12	<0.002	<0.002	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	-	-	-	-	-	-
Benzene	mg/kg	0.001	98	12	<0.001	<0.001	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	-	-	-	-	-	-
Trichloroethene	mg/kg	0.001	3.4	12	<0.001	<0.001	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	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.001	11.1	12	<0.001	<0.001	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	-	-	-	-	-	-
Dibromomethane	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0.01	7.12	12	<0.01	<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	<0.01	-	-	-	-	-	-
cis 1,3-Dichloropropene	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
Toluene	mg/kg	0.001	183000	12	<0.001	0.006	0		-	-	-	-	-	-	-	<0.001	-	<0.001	-	<0.001	<0.001	-	-	<0.001	<0.001	-	0.006	<0.001	<0.001	<0.001	-	-	-	-	-	-	-	-	<0.001	<0.001	-	-	-	-	-	-
trans 1,3-Dichloropropene	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0.001	382	12	<0.001	0.001	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	-	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
Tetrachloroethene	mg/kg	0.001	130	12	<0.001	<0.001	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	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0.003	92.1	12	<0.003	<0.003	0		-	-	-	-	-	-	-	<0.003	-	<0.003	-	<0.003	<0.003	-	-	<0.003	<0.003	-	<0.003	<0.003	<0.003	<0.003	-	-	-	-	-	-	-	-	<0.003	<0.003	-	-	-	-	-	-
1,2-Dibromoethane	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
Chlorobenzene	mg/kg	0.001	5460	12	<0.001	<0.001	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	-	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.001	1930	12	<0.001	<0.001	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	-	-	-	-	-	-
Ethylbenzene	mg/kg	0.001	63100	12	<0.001	<0.001	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	-	-	-	-	-	-
m & p Xylene	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
o-Xylene	mg/kg	0.001	32700	12	<0.001	<0.001	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	-	-	-	-	-	-
Styrene	mg/kg	0.001	20400	12	<0.001	<0.001	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	-	-	-	-	-	-
Bromoform	mg/kg	0.001	2970	12	<0.001	<0.001	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	-	-	-	-	-	-

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Assessment Criteria : *Commercial - 6% SOM Sandy Loam*

☐ Use MRL Values?

		mit of Detection	eneric sessment iteria	mber of mples	nimum Value	aximum Value	mber of ceedances	Location	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
								Sample ID	BH4454	BH4454	BH4886	BH4452	BH4452	BH4456	BH4456	ATK BH5905	ATK BH5905	ATK BH5905	BH4462	BH4462	BH4462	BH4462	BH4455	BH4455	BH4455	BH4460	BH4460	BH4460	BH4461	BH4461	ATK BH590	ATK BH590	ATK BH590	BH5906	BH5906	BH5906	ATK BH591	ATK BH591	ATK BH591	ATK BH590	ATK BH590	ATK BH590	BH4463	BH4463	BH4885	BH4459
								Depth	0.4m	1.8m	0.3m	0.9m	3.1m	0.2m	1.5m	1.2m	4.4m	7m	0.5m	1m	5m	9m	0.5m	1m	5m	0.5m	1m	5m	1m	4m	0.5m	4m	7m	11m	12m	13m	0.2m	1m	5m	0.5m	6m	7m	0.3m	1.2m	0.3m	0.5m
								Date	24/09/2020	24/09/2020	23/09/2020	10/09/2020	16/09/2020	18/09/2020	18/09/2020	19/10/2020	19/10/2020	20/10/2020	N/A	N/A	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########
								Strata																																						
Isopropylbenzene	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.001	3910	12	<0.001	<0.001	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	-	-	-	-	-	-
1,2,3-Trichloropropane	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
Bromobenzene	mg/kg	0.001	485	12	<0.001	<0.001	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	-	-	-	-	-	-
n-Propylbenzene	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
tert-Butylbenzene	mg/kg	0.002	No SSV	12	<0.002	<0.002	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	-	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.001	1030	12	<0.001	<0.001	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	-	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
4-Isopropyltoluene	mg/kg	0.001	No SSV	12	<0.001	0.002	0		-	-	-	-	-	-	-	<0.001	-	<0.001	-	<0.001	<0.001	-	-	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-	-	-	0.002	<0.001	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
n-Butylbenzene	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DCBP)	mg/kg	0.002	No SSV	12	<0.002	<0.002	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	-	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.003	No SSV	12	<0.003	<0.003	0		-	-	-	-	-	-	-	<0.003	-	<0.003	-	<0.003	<0.003	-	-	<0.003	<0.003	-	<0.003	<0.003	<0.003	<0.003	-	-	-	-	-	-	-	-	<0.003	<0.003	-	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.001	No SSV	12	<0.001	<0.001	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	-	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.003	No SSV	12	<0.003	<0.003	0		-	-	-	-	-	-	-	<0.003	-	<0.003	-	<0.003	<0.003	-	-	<0.003	<0.003	-	<0.003	<0.003	<0.003	<0.003	-	-	-	-	-	-	-	-	<0.003	<0.003	-	-	-	-	-	-
PCB BZ 81	mg/kg	0.005	No SSV	1	<0.005	<0.005	0		-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB BZ 105	mg/kg	0.005	No SSV	1	<0.005	<0.005	0		-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB BZ 114	mg/kg	0.005	No SSV	1	<0.005	<0.005	0		-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB BZ 118	mg/kg	0.007	No SSV	1	<0.007	<0.007	0		-	-	-	-	-	-	-	-	-	-	-	-	<0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB BZ 123	mg/kg	0.005	No SSV	1	<0.005	<0.005	0		-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB BZ 126	mg/kg	0.005	No SSV	1	<0.005	<0.005	0		-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB BZ 156	mg/kg	0.005	No SSV	1	<0.005	<0.005	0		-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB BZ 157	mg/kg	0.005	No SSV	1	<0.005	<0.005	0		-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB BZ 167	mg/kg	0.005	No SSV	1	<0.005	<0.005	0		-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB BZ 169	mg/kg	0.005	No SSV	1	<0.005	<0.005	0		-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB BZ 189	mg/kg	0.005	No SSV	1	<0.005	<0.005	0		-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB BZ 77	mg/kg	0.005	No SSV	1	<0.005	<0.005	0		-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Speciated PCB-WHO12	mg/kg	0.005	No SSV	1	<0.007	<0.007	0		-	-	-	-	-	-	-	-	-	-	-	-	<0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Assessment Criteria :	Drinking Water Standard England and Wales/WHO
CaCO (mg/l):	0.00
pH	0.00
Calcium (mg/l):	0.00
DOC (mg/l)	0.00
Catchment area:	Drinking Water Standard

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	Location	Sample ID	Depth	Date	Strata	Zone
pH	pH	0.01	6.5-9.5	21	6.31	8.69	1	BH4452, 0.9m		BH4454	0.4m	24/09/2020	Made Ground	
Ammonia / Ammoniacal Nitrogen as NH3	mg/l	0.024	No WSV	21	<0.024	5.762	0			BH4454	1.8m	24/09/2020	Made Ground	
Sulphate	mg/l	1	250	21	8.87	1630	12	BH4454, 0.4m; BH4456, 1.5m; ATK BH5905, 7m; BH4462, 5m; BH4455, 1m; BH4455, 5m; BH4460, 5m; BH4461, 4m; ATK BH5907, 7m; ATK BH5906, 7m; BH4463, 1.2m; BH4459, 0.5m		BH4456	1.5m	18/09/2020	Made Ground	
Cyanide (free)	mg/l	0.005	See Cyanide (total)	21	<0.005	<0.005	0			BH4456	1.5m	18/09/2020	Made Ground	
Cyanide (total)	mg/l	0.005	0.05	21	<0.005	0.019	0			ATK BH5905	7m	19/10/2020	Landfill	
Antimony	mg/l	0.001	0.005	21	0.001	0.009	2	BH4456, 1.5m; BH4462, 5m		BH4462	5m	20/10/2020	Landfill	
Arsenic	mg/l	0.001	0.01	21	0.001	0.027	1	BH4456, 1.5m		BH4462	1m		Landfill	
Boron	mg/l	0.01	1	21	0.022	0.509	0			BH4455	1m	03/11/2020	Landfill	
Cadmium	mg/l	0.001	0.005	21	<0.001	<0.002	0			BH4455	5m	10/11/2020	Landfill	
Copper	mg/l	0.001	2	21	0.001	0.11	0			BH4460	5m	10/11/2020	Landfill	
Chromium	mg/l	0.001	0.05	21	0.001	0.009	0			BH4461	4m	22/10/2020	Landfill	
Lead	mg/l	0.001	0.01	21	0.001	0.097	2	BH4456, 1.5m; BH4455, 1m		BH4461	7m	12/10/2020	Landfill	
Magnesium	mg/l	1	N/A	21	<1	62	0			ATK BH5907	7m	13/10/2020	Landfill	
Mercury	mg/l	0.0001	0.001	21	<0.0001	<0.0002	0			ATK BH5910	1m	18/11/2020	Landfill	
Nickel	mg/l	0.001	0.02	21	0.001	0.022	1	ATK BH5905, 7m		ATK BH5906	7m	24/11/2020	Landfill	
Selenium	mg/l	0.001	0.01	21	0.001	0.004	0			BH4463	1.2m	29/01/2021	Landfill	
Vanadium	mg/l	0.001	N/A	21	0.001	0.024	0			BH4885	0.3m	29/01/2021	Made Ground	
Zinc	mg/l	0.001	3	21	0.002	0.073	0			BH4459	0.5m	16/02/2021	Landfill	
PAH 16										BH5095	0.3m	21/10/2020		
Acenaphthene	mg/l	0.00002	See BaP	21	0.00002	0.00155	0			BH5115	0.5m	08/10/2020		
Acenaphthylene	mg/l	0.00002	See BaP	21	0.00002	0.00005	0			BH4137	1.8m	07/11/2020		
Anthracene	mg/l	0.00002	See BaP	21	<0.00002	0.00011	0			ATK BH5910	1m	18/11/2020		
Benzo(a)anthracene	mg/l	0.00002	See BaP	21	<0.00002	0.00022	0			ATK BH5906	7m	24/11/2020		
Benzo(a)pyrene	mg/l	0.00002	0.00001	21	<0.00002	0.0002	5	BH4456, 0.2m; BH4456, 1.5m; BH4462, 5m; BH4461, 4m; ATK BH5906, 7m		BH4463	1.2m	29/01/2021		
Benzo(b)fluoranthene	mg/l	0.00002	See PAH Sum of 4	21	<0.00002	0.00025	0			BH4885	0.3m	29/01/2021		
Benzo(ghi)perylene	mg/l	0.00002	See PAH Sum of 4	21	<0.00002	0.00014	0			BH4459	0.5m	16/02/2021		
Benzo(k)fluoranthene	mg/l	0.00002	See PAH Sum of 4	21	0.00002	0.00008	0							
Chrysene	mg/l	0.00002	See BaP	21	<0.00002	0.00027	0							
Dibenz(ah)anthracene	mg/l	0.00002	No WSV	21	<0.00002	0.00003	0							
Fluoranthene	mg/l	0.00002	See BaP	21	0.00002	0.00054	0							
Fluorene	mg/l	0.00002	See BaP	21	<0.00002	0.00041	0							
Indeno(123-cd)pyrene	mg/l	0.00002	See PAH Sum of 4	21	0.00002	0.00016	0							
Naphthalene	mg/l	0.00002	See BaP	21	<0.00002	0.0003	0							
Phenanthrene	mg/l	0.00002	See BaP	21	<0.00002	0.00033	0							
Pyrene	mg/l	0.00002	See BaP	21	0.00002	0.00037	0							
Total PAH 16	mg/l	0.00002	No WSV	21	<0.00002	0.00328	0							

Location	BH4454	BH4454	BH4886	BH4452	BH4452	BH4456	BH4456	ATK BH5905	ATK BH5905	BH4462	BH4462	BH4455	BH4455	BH4460	BH4461	ATK BH5907	ATK BH5910	ATK BH5906	BH4463	BH4885	BH4459	BH5095	BH5115	BH4137	ATK BH5910	ATK BH5906	BH4463	BH4885	BH4459
Sample ID	BH4454	BH4454	BH4886	BH4452	BH4452	BH4456	BH4456	ATK BH5905	ATK BH5905	BH4462	BH4462	BH4455	BH4455	BH4460	BH4461	ATK BH5907	ATK BH5910	ATK BH5906	BH4463	BH4885	BH4459	BH5095	BH5115	BH4137	ATK BH5910	ATK BH5906	BH4463	BH4885	BH4459
Depth	0.4m	1.8m	0.3m	0.9m	3.1m	0.2m	1.5m	1.2m	7m	1m	5m	1m	5m	5m	4m	7m	1m	7m	1.2m	0.3m	0.5m	0.3m	0.5m	1.8m	1m	7m	1.2m	0.3m	0.5m
Date	24/09/2020	24/09/2020	24/09/2020	10/09/2020	16/09/2020	18/09/2020	18/09/2020	19/10/2020	20/10/2020		03/11/2020	10/11/2020	10/11/2020	22/10/2020	12/10/2020	13/10/2020	18/11/2020	24/11/2020	29/01/2021	29/01/2021	16/02/2021	21/10/2020	08/10/2020	07/11/2020	18/11/2020	24/11/2020	29/01/2021	29/01/2021	16/02/2021
Strata	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Made Ground	Made Ground	Landfill								
pH	7.75	7.96	8.27	6.31	7.5	7.93	8.39	8.05	7.93	7.69	7.53	6.72	7.8	7.78	7.73	7.75	8.69	7.29	7.25	7.76	8.04								
Ammonia / Ammoniacal Nitrogen as NH3	<0.024	4.626	<0.024	<0.024	0.04	<0.024	0.089	<0.024	<0.024	<0.024	5.762	<0.024	0.765	0.158	<0.024	<0.024	0.348	1.823	1.4	<0.024	<0.024								
Sulphate	1550	217.12	8.87	93.81	43.77	27.39	278.76	210.19	876	121.86	1630	708.19	633.21	1630	1050	632.24	246.42	1060	547.54	144.53	548.36								
Cyanide (free)	<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	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005								
Cyanide (total)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.019	<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								
Antimony	0.002	0.002	<0.001	0.001	<0.001	0.003	0.007	0.001	0.004	<0.001	0.009	<0.001	0.003	0.005	0.002	0.005	0.005	0.003	<0.001	0.001	0.003								
Arsenic	0.002	<0.001	<0.001	<0.001	<0.001	0.002	0.027	<0.001	0.002	<0.001	0.005	<0.001	0.003	0.002	<0.001	0.001	0.003	0.004	<0.001	0.003	0.002								
Boron	0.264	0.287	0.031	0.107	0.102	0.056	0.267	0.066	0.222	0.045	0.509	0.093	0.178	0.435	0.168	0.284	0.022	0.144	0.123	0.117	0.139								
Cadmium	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001								
Copper	0.003	0.002	0.003	0.009	0.004	0.012	0.11	0.005	0.005	0.002	0.003	0.001	0.003	0.01	0.006	0.002	0.018	0.034	0.001	0.002	0.006								
Chromium	0.002	<0.001	<0.001	<0.001	0.001	0.001	0.003	<0.001	<0.001	0.003	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	0.009	0.007	<0.001	0.001	0.003								
Lead	<0.001	<0.001	<0.001	<0.001	<0.001	0.006	0.097	<0.001	0.002	<0.001	0.003	0.024	0.001	0.004	0.002	<0.001	<0.001	0.001	<0.001	<0.001	<0.001								
Magnesium	23	4	5	3	4	4	20	9	62	5	38	38	19	46	25	20	<1	6	25	<1	18								
Mercury	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001								
Nickel	0.002	<0.001	<0.001	0.007	0.004	<0.001	0.01	<0.001	0.022	<0.001	0.011	0.001	0.002	0.004	0.004	0.003	0.002	0.002	0.001	<0.001	0.002								
Selenium	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	0.003	0.002	<0.001	0.001	<0.001								
Vanadium	<0.001	<0.001	<0.001	<0.001	0.002	0.001	0.024	<0.001	<0.001	<0.001	0.005	<0.001	0.001	<0.002	<0.001	0.001	0.002	0.004	<0.001	<0.001	0.001								
Zinc	0.004	0.004	0.003	0.066	0.024	0.01	0.073	0.002	0.038	0.003	0.004	0.028	0.003	0.007	0.008	0.004	0.002	0.014	0.005	0.005	0.003								
PAH 16																													
Acenaphthene	<0.00002	<0.00002	<0.00002	0.00003	0.00155	0.00043	0.00008	<0.00002	0.00004	0.00009	0.00024	0.00013	0.00015	<0.00002	<0.00002	<0.00002	<0.00002	0.00002	<0.00002	<0.00002	<0.00002								
Acenaphthylene	<0.00002	<0.00002	<0.00002	<0.00002	0.00005	0.00003	0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002								
Anthracene	<0.00002	<0.00002	<0.00002	<0.00002	0.00011	0.0001	0.00005	<0.00002	<0.00002	<0.00002	0.00004	<0.00002	<0.00002	<0.00002	0.00003	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002								
Benzo(a)anthracene	<0.00002	<0.00002	<0.00002	<0.00002	0.00011	0.00005	0.00022	<0.00002	<0.00002	<0.00002	0.00006	<0.00002	<0.00002	<0.00002	0.00006	<0.00002	<0.00002	0.00003	<0.00002	<0.00002	<0.00002								
Benzo(a)pyrene	<0.00002	<0.00002	<0.00002	<0.00002	0.00006	0.0002	<0.00002	<0.00002	<0.00002	<0.00002	0.00004	<0.00002	<0.00002	<0.00002	0.00007	<0.00002	<0.00002	0.00004	<0.00002	<0.00002	<0.00002								
Benzo(b)fluoranthene	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00008	0.00025	<0.00002	<0.00002	<0.00002	0.00005	<0.00002	<0.00002	<0.00002	0.00007	<0.00002	<0.00002	0.00005	<0.00002	<0.00002	<0.00002								
Benzo(ghi)perylene	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00006	0.00014	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00004	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002								
Benzo(k)fluoranthene	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00002	0.00008	<0.00002	<0.00002	<0.00002	0.00005	<0.00002	<0.00002	<0.00002	0.00004	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002								
Chrysene	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00007	0.00027	<0.00002	<0.00002	<0.00002	0.00007	<0.00002	<0.00002	<0.00002	0.00007	<0.00002	<0.00002	0.00003	<0.00002	<0.00002	<0.00002								
Dibenz(ah)anthracene	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00003	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002								
Fluoranthene	<0.00002	<0.00002	<0.00002	<0.00002	0.00048	0.00015	0.00054	<0.00002	<0.00002	<0.00002	0.00017	0.00002	0.00003	0.00003	0.00015	<0.00002	<0.00002	0.00007	0.00003	0.00004	<0.00002								
Fluorene	<0.00002	<0.00002	<0.00002	<0.00002	0.00041	0.0004	<0.00002	<0.00002	0.00028	<0.00002	0.00005	0.00004	0.00004	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002								
Indeno(123-cd)pyrene	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00007	0.00016	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00004	<0.00002	<0.00002	0.00002	<0.00002	<0.00002	<0.00002								
Naphthalene	0.00007	<0.00002	0.00004	0.00004	0.00004	0.0003	<0.00002	<0.00002	0.00004	0.0001	0.00008	0.00011	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00008	0.00018	<0.00002								
Phenanthrene	<0.00002	<0.00002	<0.00002	<0.00002	0.00033	0.00031	0.00008	<0.00002	<0.00002	0.00003	0.00012	0.00007	0.00005	<0.00002	0.00003	<0.00002	<0.00002	<0.00002	0.00004	0.00004	<0.00002								
Pyrene	<0.00002	<0.00002	<0.00002	<0.00002	0.00031	0.0001	0.00037	<0.00002	<0.00002	<0.00002	0.00016	<0.00002	0.00002	0.00003	0.00016	0.00003	<0.00002	0.00007	0.00002	0.00003	<0.00002								
Total PAH 16	0.00007	<0.00002	0.00004	0.00007	0.00328	0.00223	0.00249	<0.00002	0.00036	0.00022	0.00113	0.00034	0.0004	0.00006	0.00076	0.00005	<0.00002	0.00033	0.00017	0.00029	<0.00002								

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Pb Screening Tool 1.0

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Clear Data

INPUT DATA						RESULTS (Pb)			
ID	Location	Waterbody	Date	Measured Pb Concentration (dissolved) (µg l^{-1})	DOC	Site Specific PNEC Dissolved Pb (µg l^{-1})	BioF	Available Pb (µg l^{-1})	Risk Characterisation Ratio
26	S1	River Calder		230.00	4.90	5.88	0.20	1454.53	2551.02
27	S2	River Calder		0.00	4.90	5.88	0.20	0.00	
34	SW1	River Calder		300.00	4.90	5.88	0.20	0.00	
35	SW2	River Calder		440.00	4.90	5.88	0.20	0.00	
38	SW1	River Calder		560.00	4.90	5.88	0.20	0.00	
39	SW2	River Calder		460.00	4.90	5.88	0.20	388.02	680.27
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	1020.48	850.34
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	2653.64	2210.88
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	46.54	39.12
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	61.22	51.02
						5.88	0.20	89.04	74.83
						5.88	0.20	189.00	158.16
						5.88	0.20	40.54	34.01
						5.88	0.20	114.02	95.24
						5.88	0.20	93.58	78.23
						5.88	0.20	146.34	122.45
						5.88	0.20	110.00	91.84
						5.88	0.20	204.08	170.07
						5.88	0.20	0.00	
						5.88	0.20	40.54	34.01
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	40.54	34.01
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	2653.64	2210.88
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	61.22	51.02
						5.88	0.20	61.22	51.02
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	61.22	51.02
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	2244.90	1870.75
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	102.14	85.03
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	61.22	51.02
						5.88	0.20	0.00	
						5.88	0.20	0.00	
						5.88	0.20	0.00	

Metal Bioavailability Assessment Tool (M-BAT)

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Calculate

Clear Data

INPUT DATA												RESULTS (Copper)				RESULTS (Zinc)				RESULTS (Mn)				RESULTS (Ni)			
ID	Location	Waterbody	Date	Measured Cu Concentration (dissolved) (µg l⁻¹)	Measured Zn Concentration (dissolved) (µg l⁻¹)	Measured Mn Concentration (dissolved) (µg l⁻¹)	Measured Ni Concentration (dissolved) (µg l⁻¹)	pH	DOC	Ca		Site-specific PNEC Dissolved Copper (µg l⁻¹)	BioF	Bioavailable Copper Concentration (µg l⁻¹)	Risk Characterisation Ratio	Site-specific PNEC Dissolved Zinc (µg l⁻¹)	BioF	Bioavailable Zinc Concentration (µg l⁻¹)	Risk Characterisation Ratio	Site-specific PNEC Dissolved Manganese (µg l⁻¹)	BioF	Bioavailable Manganese Concentration (µg l⁻¹)	Risk Characterisation Ratio	Site-specific PNEC Dissolved Nickel (µg l⁻¹)	BioF	Bioavailable Nickel Concentration (µg l⁻¹)	Risk Characterisation Ratio
1	BH4456	River Calder		81000	2000		39000	6.96	4.9	27		18.83	0.05	4352.07	4352.07	23.39	0.47	931.74	93.97	976.09	0.13			14.48	0.24	3277.54	2693.39
2	BH4	River Calder		27000	10000		25000	6.96	4.9	27		18.83	0.05	1837.92	1837.92	23.39	0.47	4078.81	412.39	976.09	0.13			14.48	0.24	3007.37	725.74
3	BH101	River Calder		12000	13000		11000	6.96	4.9	27		18.83	0.05	837.34	837.34	23.39	0.47	5307.25	536.72	976.09	0.13			14.48	0.24	3039.53	329.39
4	BH1	River Calder		15000	10000		2000	6.96	4.9	27		18.83	0.05	796.68	796.68	23.39	0.47	4078.81	412.39	976.09	0.13			14.48	0.24	552.07	138.35
5	BH2	River Calder		30000	8000		8000	6.96	4.9	27		18.83	0.05	1593.36	1593.36	23.39	0.47	3742.56	343.97	976.09	0.13			14.48	0.24	2210.14	552.07
6	BH3	River Calder		22000	29000		10000	6.96	4.9	27		18.83	0.05	1164.45	1164.45	23.39	0.47	13961.81	1744.73	976.09	0.13			14.48	0.24	2762.67	690.21
7	BH4885	River Calder		26000	7000		14000	6.96	4.9	27		18.83	0.05	1380.91	1380.91	23.39	0.47	3122.48	309.47	976.09	0.13			14.48	0.24	3867.55	967.20
8	BH5	River Calder		22000	12000		4000	6.96	4.9	27		18.83	0.05	1168.46	1168.46	23.39	0.47	5614.42	515.96	976.09	0.13			14.48	0.24	1105.07	276.27
9	BH6	River Calder		15000	9000		2000	6.96	4.9	27		18.83	0.05	796.68	796.68	23.39	0.47	4213.81	390.72	976.09	0.13			14.48	0.24	552.07	138.35
10	BH4886	River Calder		19000	6000		4000	6.96	4.9	27		18.83	0.05	1010.13	1010.13	23.39	0.47	3122.48	309.47	976.09	0.13			14.48	0.24	1105.07	276.27
11	BH7	River Calder		22000	14000		11000	6.96	4.9	27		18.83	0.05	1168.46	1168.46	23.39	0.47	6566.18	600.30	976.09	0.13			14.48	0.24	3039.53	759.38
12	BH4454	River Calder		25000	21000		14000	6.96	4.9	27		18.83	0.05	1327.80	1327.80	23.39	0.47	9520.24	901.46	976.09	0.13			14.48	0.24	3867.55	967.20
13	BH4458	River Calder		25000	7000		7000	6.96	4.9	27		18.83	0.05	1327.80	1327.80	23.39	0.47	3275.06	309.47	976.09	0.13			14.48	0.24	1934.83	483.79
14	ATKBH5906	River Calder		56000	4000		3000	6.96	4.9	27		18.83	0.05	2974.27	2974.27	23.39	0.47	1871.41	214.65	976.09	0.13			14.48	0.24	829.61	207.40
15	BH4459	River Calder		38000	7000		6000	6.96	4.9	27		18.83	0.05	2018.23	2018.23	23.39	0.47	3275.06	309.47	976.09	0.13			14.48	0.24	1657.22	414.30
16	ATKBH5910	River Calder		71000	4000		4000	6.96	4.9	27		18.83	0.05	3770.95	3770.95	23.39	0.47	1871.41	171.86	976.09	0.13			14.48	0.24	1105.07	276.27
17	BH4462	River Calder		35000	5000		6000	6.96	4.9	27		18.83	0.05	1858.92	1858.92	23.39	0.47	2337.18	214.65	976.09	0.13			14.48	0.24	1657.22	414.30
18	BH4461	River Calder		15000	8000		6000	6.96	4.9	27		18.83	0.05	796.68	796.68	23.39	0.47	3742.56	343.97	976.09	0.13			14.48	0.24	1657.22	414.30
19	ATKBH5907	River Calder		19000	4000		6000	6.96	4.9	27		18.83	0.05	1009.13	1009.13	23.39	0.47	1871.41	171.86	976.09	0.13			14.48	0.24	1657.22	414.30
20	BH4455	River Calder		4000	5000		2000	6.96	4.9	27		18.83	0.05	212.48	212.48	23.39	0.47	2337.18	214.65	976.09	0.13			14.48	0.24	552.07	138.35
21	BH4460	River Calder		17000	25000		13000	6.96	4.9	27		18.83	0.05	902.57	902.57	23.39	0.47	11682.27	1073.24	976.09	0.13			14.48	0.24	3591.84	897.96
22	BH4463	River Calder		4000	7000		2400	6.96	4.9	27		18.83	0.05	212.48	212.48	23.39	0.47	3742.56	309.47	976.09	0.13			14.48	0.24	662.48	165.62
23	BH102	River Calder		30000	33000		4100	6.96	4.9	27		18.83	0.05	1593.36	1593.36	23.39	0.47	15433.84	1416.45	976.09	0.13			14.48	0.24	11322.09	2831.52
24	BH103	River Calder		10000	12000		4000	6.96	4.9	27		18.83	0.05	531.12	531.12	23.39	0.47	5614.42	515.96	976.09	0.13			14.48	0.24	1105.07	276.27
25	POND SAMPLE	River Calder		14000	5000		1000	6.96	4.9	27		18.83	0.05	743.57	743.57	23.39	0.47	2337.18	214.65	976.09	0.13			14.48	0.24	276.27	69.07
26	S1	River Calder		2300	9900		2200	6.96	4.9	27		18.83	0.05	122.16	122.16	23.39	0.47	4631.89	424.96	976.09	0.13			14.48	0.24	607.64	151.91
27	S2	River Calder		1800	12000		2700	6.96	4.9	27		18.83	0.05	95.69	95.69	23.39	0.47	5614.42	515.96	976.09	0.13			14.48	0.24	745.07	186.27
28	S3	River Calder		2200	7700		2300	6.96	4.9	27		18.83	0.05	116.99	116.99	23.39	0.47	3672.68	337.38	976.09	0.13			14.48	0.24	634.77	158.69
29	S4	River Calder		1900	10000		2400	6.96	4.9	27		18.83	0.05	101.03	101.03	23.39	0.47	4678.81	429.21	976.09	0.13			14.48	0.24	647.05	161.76
30	BH4	River Calder		400	7000		2000	6.96	4.9	27		18.83	0.05	21.24	21.24	23.39	0.47	3275.06	309.47	976.09	0.13			14.48	0.24	5523.34	1380.85
31	BH101	River Calder		1	6800		3700	6.96	4.9	27		18.83	0.05	0.05	0.05	23.39	0.47	3181.31	291.97	976.09	0.13			14.48	0.24	1022.23	255.56
32	BH103	River Calder		800	7400		1400	6.96	4.9	27		18.83	0.05	42.51	42.51	23.39	0.47	3462.31	317.69	976.09	0.13			14.48	0.24	387.03	96.76
33	BH103	River Calder		1900	7500		2700	6.96	4.9	27		18.83	0.05	101.91	101.91	23.39	0.47	3589.81	321.65	976.09	0.13			14.48	0.24	745.07	186.27
34	SW1	River Calder		2000	23000		3200	6.96	4.9	27		18.83	0.05	106.22	106.22	23.39	0.47	10761.43	987.24	976.09	0.13			14.48	0.24	884.10	221.03
35	SW2	River Calder		2500	13000		3400	6.96	4.9	27		18.83	0.05	113.79	113.79	23.39	0.47	6052.56	553.97	976.09	0.13			14.48	0.24	939.13	234.78
36	SW3	River Calder		2300	15000		3200	6.96	4.9	27		18.83	0.05	122.16	122.16	23.39	0.47	7014.43	643.96	976.09	0.13			14.48	0.24	884.10	221.03
37	SW4	River Calder		1600	440000		4900	6.96	4.9	27		18.83	0.05	84.98	84.98	23.39	0.47	205862.17	18896.40	976.09	0.13			14.48	0.24	1353.66	338.42
38	SW1	River Calder		2100	7800		2900	6.96	4.9	27		18.83	0.05	111.54	111.54	23.39	0.47	3649.37	334.81	976.09	0.13			14.48	0.24	801.24	200.31
39	SW2	River Calder		2000	8900		2300	6.96	4.9	27		18.83	0.05	106.22	106.22	23.39	0.47	4164.38	382.06	976.09	0.13			14.48	0.24	634.77	158.69
40	SW3	River Calder		2000	9200		2200	6.96	4.9	27		18.83	0.05	106.22	106.22	23.39	0.47	4304.38	394.93	976.09	0.13			14.48	0.24	607.64	151.91
41	SW4	River Calder		2000	14000		2200	6.96	4.9	27		18.83	0.05	106.22	106.22	23.39	0.47	6566.18	600.30	976.09	0.13			14.48	0.24	607.64	151.91
42	ATK BH5907	River Calder		6400	7300		7500	6.96	4.9	27		18.83	0.05	313.92	313.92	23.39	0.47	3418.44	313.39	976.09	0.13			14.48	0.24	2072.63	518.09
43	ATK BH5910	River Calder		2300	10000		3800	6.96	4.9	27		18.83	0.05	122.16	122.16	23.39	0.47	4678.81	412.39	976.09	0.13			14.48	0.24	1049.64	262.41
44	BH4463	River Calder		15000	12000		5800	6.96	4.9	27		18.83	0.05	796.68	796.68	23.39	0.47	5614.42	515.96	976.09	0.13			14.48	0.24	1657.22	414.30
45	QAQC1 - BH4463	River Calder		1400	7500		5400	6.96	4.9	27		18.83	0.05	74.38	74.38	23.39	0.47	3089.81	321.65	976.09	0.13			14.48	0.24	1493.08	372.76
46	QAQC2 - Blank	River Calder		2800	8700		3200	6.96	4.9	27		18.83	0.05	148.71	148.71	23.39	0.47	4078.48	373.49	976.09	0.13			14.48	0.24	884.10	221.03
47	ATK BH5906	River Calder		900	2400		2600	6.96	4.9	27		18.83	0.05	47.85	47.85	23.39	0.47	1122.81	103.54	976.09	0.13			14.48	0.24	718.52	179.63
48	BH1	River Calder		2100	8400		7800	6.96	4.9	27		18.83	0.05	111.54	111.54	23.39	0.47	3932.43	361.97	976.09	0.13			14.48	0.24	2152.69	538.17
49	BH2	River Calder		3400	6500		7800	6.96	4.9	27		18.83	0.05	180.58	180.58	23.39	0.47	3041.18	279.85	976.09	0.13			14.48	0.24	2155.04	538.76
50	BH3	River Calder		1200	4900		6700	6.96	4.9	27		18.83	0.05	63.72	63.72	23.39	0.47	2252.56	210.21	976.09	0.13			14.48	0.24	1293.13	323.28
51	BH4	River Calder		3400	4700		19000	6.96	4.9	27		18.83	0.05	180.58	180.58	23.39	0.47	1713.94	157.68	976.09	0.13			14.48	0.24	4737.58	1184.39
52	BH5	River Calder		4300	20000		1800	6.96	4.9	27		18.83	0.05	228.38	228.38	23.39	0.47	9187.37	859.47	976.09	0.13			14.48	0.24	4078.81	1249.26
53	BH6	River Calder		2600	3500		4900	6.96	4.9	27		18.83	0.05	138.09	138.09	23.39	0.47	1637.94	150.24	976.09	0.13			14.48	0.24	1353.66	338.42
54	BH7	River Calder		2100	30000		7500	6.96	4.9	27		18.83	0.05	111.54	111.54	23.39	0.47	14036.06	1287.70	976.09	0.13			14.48	0.24	2072.63	518.09
55	BH101	River Calder		1100	6400		8100	6.96	4.9	27		18.83	0.05	57.43	57.43	23.39	0.47	3294.31	274.70	976.09	0.13			14.48	0.24	2237.03	559.26
56	BH102	River Calder		3300	21000		1900	6.96	4.9	27		18.83	0.05	175.27	175.27	23.39	0.47	9925.24	901.46	976.09	0.13			14.48	0.24	5249.64	1312.39
57	BH103	River Calder		3400	24000		4700	6.96	4.9	27		18.83	0.05	180.58	180.58	23.39	0.47	11221.93	1030.17	976.09	0.13			14.48	0.24	1298.03	324.51
58	BH4454	River Calder		3600	7000		9700	6.96	4.9	27		18.83	0.05	243.53	243.53	23.39	0.47	3275.06	309.47	976.09	0.13			14.48	0.24	2679.09	669.77
59	BH4455	River Calder		1300	2200		2600	6.96	4.9	27		18.83	0.05	84.98	84.98	23.39	0.47	1029.31	94.45	976.09	0.13			14.48	0.24	718.52	179.63
60	BH4456	River Calder		12000	2900		4900	6.96	4.9	27		18.83	0.05	6373.44	6373.44	23.39	0.47	1356.93	124.49	976.09	0.13			14.48	0.24	13539.64	3384.91
61	BH4458	River Calder		2200	5800		7500	6.96	4.9	27		18.83	0.05	111.54	111.54	23.39	0.47	2121.94	194.67	976.09	0.13			14.48	0.24	2072.63	518.09
62	BH4459	River Calder		2300	5700		5700	6.96	4.9	27		18.83	0.05	122.16	122.16	23.39	0.47	2104.44	193.06	976.09	0.13			14.48	0.24	1772.73	443.18
63	BH4460	River Calder		900	2800		70	6.96	4.9	27		18.83	0.05	47.85	47.85	23.39	0.47	1314.94	120.64	976.09	0.13			14.48	0.24	192.69	48.17
64	BH4461	River Calder		800	4100		4300	6.96	4.9	27		18.83	0.05	42.49	42.49	23.39	0.47	1911.94	175.39	976.09	0.13			14.48	0.24	1189.69	297.42
65	BH4462	River Calder		4800	3700		4900	6.96	4.9	27		18.83	0.05	414.32	414.32	23.39	0.47	1713.94	157.68	976.09	0.13			14.48	0.24	1153.27	288.32
66	BH4485	River Calder		1800	7500		11000	6.96	4.9	27		18.83	0.05	63.72	63.72	23.39	0.47	3089.81	321.65	976.09	0.13			14.48	0.24	1657.22	414.30
67	BH4486	River Calder		1200	3900		1500	6.96	4.9	27		18.83	0.05	63.72	63.72	23.39	0.47	1824.69	167.46	976.09	0.13			14.48	0.24	414.84	103.71
68	ATK BH5906	River Calder		2500	3600		2800	6.96	4.9	27		18.83	0.05	132.78	132.78	23.39	0.47	1684.53	154.51	976.09	0.13			14.48	0.24	773.09	193.27
69	BH1	River Calder		3300	13000		2600	6.96	4.9	27		18.83	0.05	175.27	175.27	23.39	0.47	5082.56	553.97	976.09	0.13			14.48	0.24	718.52	179.63
70	BH2	River Calder		1500	5800		8900	6.96	4.9	27		18.83	0.05	74.47	74.47	23.39	0.47	2753.44	248.84	976.09	0.13			14.48	0.24	2405.14	601.29
71	BH3	River Calder		1500	7400		7300	6.96	4.9	27		18.83	0.05	79.87	79.87	23.39	0.47	3462.31	317.69	976.09	0.13			14.48	0.24	2018.98	504.75
72	BH4	River Calder		3200	4600		1800	6.96	4.9	27		18.83	0.05	169.96	169.96	23.39	0.47	2152.56	197.43	976.09	0.13			14.48	0.24	4973.01	1243.25
73	BH5	River Calder		3100	14000		2000	6.96	4.9	27		18.83	0.05	164.65	164.65	23.39	0.47	6566.18	600.30	976.09	0.13			14.48	0.24	1105.07	276.27
74	BH6	River Calder		1400	6600		5200	6.96	4.9	27		18.83	0.05	84.98	84.98	23.39	0.47	3228.28	295.51	976.09	0.13			14.48	0.24	1438.65	359.66
75	BH101	River Calder		1	4000		7500	6.96	4.9	27		18.83	0.05	0.05	0.05	23.39	0.47	1871.41	171.86	976.09	0.13			14.48	0.24	2072.63	518.09
76	BH103	River Calder		2500	2700		4100	6.96	4.9	27		18.83	0.05	113.79	113.79	23.39	0.47	1243.94	113.90	976.09	0.13			14.48	0.24	1182.10	295.53
77	BH4454	River Calder		3100	7000		10000	6.96	4.9	27		18.83	0.05	174.19	174.19	23.39	0.47	3275.06	309.47	976.09	0.13			14.48	0.24	2767.61	691.90
78	BH4455	River Calder		3400	5300		2500	6.96	4.9	27		18.83	0.05	180.58	180.58	23.39	0.47	2479.38	227.90	976.09	0.13			14.48	0.24	690.34	172.59
79	BH4456	River Calder		150000	2100		5300	6.96	4.9	27		18.83	0.05	7966.80	7966.80	23.39	0.47	983.56	90.14	976.09	0.15			14.48	0.24	14643.19	3660.80
80	BH4458	River Calder		4000	5300		7400	6.96	4.9	27		18.83	0.05	212.48	212.48	23.39	0.47	2479.38	227.90	976.09	0.13			14.48	0.24	3040.50	760.12
81	BH4459	River Calder		1800	3800		5600	6.96	4.9	27		18.83	0.05	95.69	95.69	23.39	0.47	1772.94	163.01	976.09	0.13			14.48	0.24	1547.57	386.89
82	BH4460	River Calder		3000	5300		1100	6.96	4.9	27		18.83	0.05	159.34	159.34	23.39	0.47	2479.38	227.90	976.09	0.13			14.48	0.24	303.92	75.98
83	BH4461	River Calder		2000	2200		3200	6.96	4.9	27		18.83	0.05	106.22	106.22	23.39	0.47	1029.31	94.45	976.09	0.13			14.48	0.24	884.10	221.03
84	BH4462	River Calder		4100	3400		5000	6.96	4.9	27		18.83	0.05	217.76	217.76	23.39	0.47	1656.31	145.31	976.09	0.13			14.48	0.24	1329.68	332.42
85	BH4485	River Calder		2200	8200		9500	6.96	4.9	27		18.83	0.05	116.99	116.99	23.39	0.47	3634.32	317.69	976.09	0.13			14.48	0.24	2124.22	531.06
86	BH7	River Calder		2400	13000		7800	6.96	4.9	27		18.83	0.05	127.47	127.47	23.39	0.47	6093.25	559.61	976.09	0.13			14.48	0.24	2155.04	538.76
87	BH4486	River Calder		600	1900		800	6.96	4.9	27		18.83	0.05	31.87	31.87	23.39	0.47	1824.69	167.46	976.09	0.13			14.48	0.24	221.05	55.26
88	ATK BH5907	River Calder		7700	2300		5800	6.96	4.9	27		18.83	0.05	418.56	418.56	23.39	0.47	1076.31	98.78	976.09	0.13			14.48	0.24	1657.22	414.30
89	ATK BH5910	River Calder		1300	4000		3300	6.96	4.9	27		18.83	0.05	69.06	69.06	23.39	0.47	1872.44	171.86	976.09	0.13			14.48	0.24	911.05	227.76
90	BH4463	River Calder		800	2900		4500	6.96	4.9	27		18.83	0.05	42.49	42.49	23.39	0.47	1356.93	124.49	976.09	0.13			14.48	0.24	1243.94	310.98
91	QAQC1	River Calder		1100	2100		4500	6.96	4.9	27		18.83	0.05	57.43	57.43	23.39	0.47	983.56	90.14	976.09	0.13			14.48	0.24	1243.94	310.98
														7966.80				205862.17							14643.19		

Metal Bioavailability Assessment Tool (M-BAT)

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INPUT DATA											RESULTS (Copper)				RESULTS (Zinc)				RESULTS (Mn)				RESULTS (Ni)			
ID	Location	Waterbody	Date	Measured Cu Concentration (dissolved) (µg l^{-1})	Measured Zn Concentration (dissolved) (µg l^{-1})	Measured Mn Concentration (dissolved) (µg l^{-1})	Measured Ni Concentration (dissolved) (µg l^{-1})	pH	DOC	Ca	Site-specific PNEC Dissolved Copper (µg l^{-1})	BioF	Bioavailable Copper Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Zinc (µg l^{-1})	BioF	Bioavailable Zinc Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Manganese (µg l^{-1})	BioF	Bioavailable Manganese Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Nickel (µg l^{-1})	BioF	Bioavailable Nickel Concentration (µg l^{-1})	Risk Characterisation Ratio
1	ATKBH5906	River Calder		56000	4000		3000	6.96	4.9	27	18.83	0.05	2774.27	2774.27	23.39	0.47	1271.48	174.68	976.09	0.13			14.48	0.28	824.48	212.41
2	BH4459	River Calder		38000	7000		6000	6.96	4.9	27	18.83	0.05	2010.28	2010.28	23.39	0.47	3275.06	300.47	976.09	0.13			14.48	0.28	1657.72	414.43
3	ATKBH5910	River Calder		71000	4000		4000	6.96	4.9	27	18.83	0.05	3770.95	3770.95	23.39	0.47	1871.47	171.69	976.09	0.13			14.48	0.28	1105.15	276.29
4	BH4462	River Calder		35000	5000		6000	6.96	4.9	27	18.83	0.05	1858.72	1858.72	23.39	0.47	2338.84	214.62	976.09	0.13			14.48	0.28	1657.72	414.43
5	ATKBH5907	River Calder		19000	4000		6000	6.96	4.9	27	18.83	0.05	1009.15	1009.15	23.39	0.47	1871.47	171.69	976.09	0.13			14.48	0.28	1657.72	414.43
6	BH4455	River Calder		4000	5000		2000	6.96	4.9	27	18.83	0.05	212.47	212.47	23.39	0.47	2339.27	214.67	976.09	0.13			14.48	0.28	552.72	138.14
7	ATK BH5907	River Calder		6400	7300		7500	6.96	4.9	27	18.83	0.05	339.96	339.96	23.39	0.47	3415.46	313.24	976.09	0.13			14.48	0.28	2072.15	518.04
8	ATK BH5910	River Calder		2300	10000		3800	6.96	4.9	27	18.83	0.05	122.16	122.16	23.39	0.47	4678.69	429.24	976.09	0.13			14.48	0.28	1049.89	262.47
9	ATK BH5906	River Calder		900	2400		2600	6.96	4.9	27	18.83	0.05	47.88	47.88	23.39	0.47	1122.88	103.02	976.09	0.13			14.48	0.28	718.55	179.59
10	BH4455	River Calder		1300	2200		2600	6.96	4.9	27	18.83	0.05	69.06	69.06	23.39	0.47	1029.21	94.44	976.09	0.13			14.48	0.28	718.55	179.59
11	BH4459	River Calder		2300	5400		5700	6.96	4.9	27	18.83	0.05	122.16	122.16	23.39	0.47	2826.46	231.09	976.09	0.13			14.48	0.28	1574.28	393.71
12	BH4462	River Calder		4600	3700		4900	6.96	4.9	27	18.83	0.05	244.32	244.32	23.39	0.47	1731.31	158.72	976.09	0.13			14.48	0.28	1353.79	338.45
13	ATK BH5906	River Calder		2500	3600		2800	6.96	4.9	27	18.83	0.05	132.78	132.78	23.39	0.47	1654.33	164.23	976.09	0.13			14.48	0.28	773.60	193.40
14	BH4455	River Calder		3400	5300		2500	6.96	4.9	27	18.83	0.05	180.58	180.58	23.39	0.47	2479.39	227.59	976.09	0.13			14.48	0.28	690.72	172.68
15	BH4459	River Calder		1800	3800		5600	6.96	4.9	27	18.83	0.05	95.60	95.60	23.39	0.47	1777.50	163.11	976.09	0.13			14.48	0.28	1547.20	386.80
16	BH4462	River Calder		4100	3400		5000	6.96	4.9	27	18.83	0.05	217.76	217.76	23.39	0.47	1590.78	145.94	976.09	0.13			14.48	0.28	1381.79	345.36
17	ATK BH5907	River Calder		7700	2300		5800	6.96	4.9	27	18.83	0.05	408.84	408.84	23.39	0.47	1076.33	98.72	976.09	0.13			14.48	0.28	1602.96	400.62
18	ATK BH5910	River Calder		1300	4000		3300	6.96	4.9	27	18.83	0.05	69.06	69.06	23.39	0.47	1871.47	171.69	976.09	0.13			14.48	0.28	911.79	227.94
19																										
20													3770.95				4678.69								2072.15	
21																										
22																										

Metal Bioavailability Assessment Tool (M-BAT)

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INPUT DATA											RESULTS (Copper)				RESULTS (Zinc)				RESULTS (Mn)				RESULTS (Ni)			
ID	Location	Waterbody	Date	Measured Cu Concentration (dissolved) (µg l^{-1})	Measured Zn Concentration (dissolved) (µg l^{-1})	Measured Mn Concentration (dissolved) (µg l^{-1})	Measured Ni Concentration (dissolved) (µg l^{-1})	pH	DOC	Ca	Site-specific PNEC Dissolved Copper (µg l^{-1})	BioF	Bioavailable Copper Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Zinc (µg l^{-1})	BioF	Bioavailable Zinc Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Manganese (µg l^{-1})	BioF	Bioavailable Manganese Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Nickel (µg l^{-1})	BioF	Bioavailable Nickel Concentration (µg l^{-1})	Risk Characterisation Ratio
1	Calder Trib	CALDER TRIB: SPEN BECK - A	01/03/2016	29	54.7		2.33	7.71	7.24	39.5	29.91	0.03	0.97	0.97	21.18	0.01	16.96	1.44	212.64	0.58			13.45	0.30	0.69	0.17
2	Calder Trib	CALDER TRIB: SPEN BECK - A	01/03/2016	23.4	59.2		1.98	7.71	5.64	39	22.81	0.04	1.03	1.03	29.60	0.37	21.97	2.01	212.64	0.58			11.73	0.34	0.67	0.17
3	Calder Trib	CALDER TRIB: SPEN BECK - A	10/12/2016	3.89	10.2		5.04	7.71	3.09	69.7	11.37	0.09	0.34	0.34	21.80	0.50	5.10	0.47	212.64	0.58			12.36	0.32	1.63	0.41
4	River Calder	RIVER CALDER AT DEWSBUR	05/01/2016	8.32	14.1		4.15	7.77	5.32	39	20.59	0.05	0.40	0.40	28.69	0.38	5.36	0.49	188.23	0.63			10.92	0.37	1.52	0.38
5	River Calder	RIVER CALDER AT DEWSBUR	01/02/2016	2.92	7.85		2.63	8.25	5.32	39	12.49	0.08	0.23	0.23	29.84	0.37	2.87	0.26	123.00	1.00			6.57	0.61	1.60	0.40
6	River Calder	RIVER CALDER AT DEWSBUR	29/03/2016	2.93	6.93		2.49	7.55	5.32	39	22.90	0.04	0.13	0.13	27.58	0.40	2.74	0.25	294.33	0.42			12.64	0.32	0.79	0.20
7	River Calder	RIVER CALDER AT DEWSBUR	18/04/2016	2.65	6.84		2.45	7.93	5.32	39	18.14	0.06	0.15	0.15	29.49	0.37	2.53	0.23	135.99	0.90			9.57	0.42	1.02	0.26
8	River Calder	RIVER CALDER AT DEWSBUR	06/05/2016	2.73	8.08		2.9	7.83	5.32	39	19.73	0.05	0.14	0.14	28.99	0.38	3.04	0.28	166.63	0.74			10.42	0.38	1.11	0.28
9	River Calder	RIVER CALDER AT DEWSBUR	10/06/2016	2.88	7.6		3.01	7.36	5.32	39	23.61	0.04	0.12	0.12	26.83	0.41	3.11	0.29	433.02	0.28			14.04	0.28	0.86	0.21
10	River Calder	RIVER CALDER AT DEWSBUR	11/07/2016	4.75	10.4		3.31	7.05	5.32	39	21.96	0.05	0.22	0.22	25.08	0.43	4.52	0.41	812.96	0.15			16.19	0.25	0.82	0.20
11	River Calder	RIVER CALDER AT DEWSBUR	01/08/2016	2.8	6.67		3.17	8.2	5.32	39	13.35	0.07	0.21	0.21	29.84	0.37	2.44	0.22	123.00	1.00			7.07	0.57	1.79	0.45
12	River Calder	RIVER CALDER AT DEWSBUR	31/10/2016	2.62	17.9		3.04	7.49	5.32	39	23.26	0.04	0.11	0.11	27.28	0.40	7.15	0.66	332.49	0.37			13.09	0.31	0.93	0.23
13	River Calder	RIVER CALDER AT DEWSBUR	07/11/2016	2.04	8.79		3.01	7.74	5.32	39	20.99	0.05	0.10	0.10	28.54	0.38	3.36	0.31	200.06	0.61			11.16	0.36	1.08	0.27
14	River Calder	RIVER CALDER AT DEWSBUR	21/11/2016	3.25	9.21		2.22	7.41	5.32	39	23.55	0.04	0.14	0.14	26.88	0.41	3.73	0.34	391.38	0.31			13.68	0.29	0.65	0.16
15	River Calder	RIVER CALDER AT DEWSBUR	12/12/2016	2.53	7.82		2.59	8.26	5.32	39	12.32	0.08	0.21	0.21	29.84	0.37	2.86	0.26	123.00	1.00			6.47	0.62	1.60	0.40
16	River Calder	RIVER CALDER AT DEWSBUR	15/01/2020	6.45	15.75		2.95	7.46	5.32	39	23.40	0.04	0.28	0.28	27.13	0.40	6.33	0.58	353.39	0.35			13.31	0.30	0.89	0.22
17	River Calder	RIVER CALDER AT DEWSBUR	18/02/2020	6.45	15.75		2.95	7.65	5.32	39	22.03	0.05	0.29	0.29	28.09	0.39	6.11	0.56	240.21	0.51			11.87	0.34	0.99	0.25
18	River Calder	RIVER CALDER AT DEWSBUR	21/02/2020	6.45	15.75		2.95	7.71	5.32	39	21.36	0.05	0.30	0.30	28.39	0.38	6.05	0.55	212.64	0.58			11.40	0.35	1.04	0.26

Pb Screening Tool 1.0

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INPUT DATA						RESULTS (Pb)			
ID	Location	Waterbody	Date	Measured Pb Concentration (dissolved) (µg l^{-1})	DOC	Site Specific PNEC Dissolved Pb (µg l^{-1})	BioF	Available Pb (µg l^{-1})	Risk Characterisation Ratio
1	BH4456	River Calder		15000.00	4.90	5.88	0.20	3061.22	2551.02
2	BH4	River Calder		0.00	4.90	5.88	0.20	0.00	
3	BH101	River Calder		0.00	4.90	5.88	0.20	0.00	
4	BH1	River Calder		0.00	4.90	5.88	0.20	0.00	
5	BH2	River Calder		0.00	4.90	5.88	0.20	0.00	
6	BH3	River Calder		4000.00	4.90	5.88	0.20	816.33	680.27
7	BH4885	River Calder		0.00	4.90	5.88	0.20	0.00	
8	BH5	River Calder		0.00	4.90	5.88	0.20	0.00	
9	BH6	River Calder		0.00	4.90	5.88	0.20	0.00	
10	BH4886	River Calder		0.00	4.90	5.88	0.20	0.00	
11	BH7	River Calder		5000.00	4.90	5.88	0.20	1020.41	850.34
12	BH4454	River Calder		0.00	4.90	5.88	0.20	0.00	
13	BH4458	River Calder		0.00	4.90	5.88	0.20	0.00	
14	ATKBH590	River Calder		0.00	4.90	5.88	0.20	0.00	
15	BH4459	River Calder		0.00	4.90	5.88	0.20	0.00	
16	ATKBH591	River Calder		0.00	4.90	5.88	0.20	0.00	
17	BH4462	River Calder		0.00	4.90	5.88	0.20	0.00	
18	BH4461	River Calder		0.00	4.90	5.88	0.20	0.00	
19	ATKBH590	River Calder		0.00	4.90	5.88	0.20	0.00	
20	BH4455	River Calder		0.00	4.90	5.88	0.20	0.00	
21	BH4460	River Calder		13000.00	4.90	5.88	0.20	2653.06	2210.88
22	BH4463	River Calder		0.00	4.90	5.88	0.20	0.00	
23	BH102	River Calder		0.00	4.90	5.88	0.20	0.00	
24	BH103	River Calder		0.00	4.90	5.88	0.20	0.00	
25	POND SAM	River Calder		0.00	4.90	5.88	0.20	0.00	
26	S1	River Calder		230.00	4.90	5.88	0.20	46.94	39.12
27	S2	River Calder		0.00	4.90	5.88	0.20	0.00	
28	S3	River Calder		0.00	4.90	5.88	0.20	0.00	
29	S4	River Calder		0.00	4.90	5.88	0.20	0.00	
30	BH4	River Calder		0.00	4.90	5.88	0.20	0.00	
31	BH101	River Calder		0.00	4.90	5.88	0.20	0.00	
32	BH103	River Calder		0.00	4.90	5.88	0.20	0.00	
33	BH103	River Calder		0.00	4.90	5.88	0.20	0.00	
34	SW1	River Calder		300.00	4.90	5.88	0.20	61.22	51.02
35	SW2	River Calder		440.00	4.90	5.88	0.20	89.80	74.83
36	SW3	River Calder		930.00	4.90	5.88	0.20	189.80	158.16
37	SW4	River Calder		200.00	4.90	5.88	0.20	40.82	34.01
38	SW1	River Calder		560.00	4.90	5.88	0.20	114.29	95.24
39	SW2	River Calder		460.00	4.90	5.88	0.20	93.88	78.23
40	SW3	River Calder		720.00	4.90	5.88	0.20	146.94	122.45
41	SW4	River Calder		540.00	4.90	5.88	0.20	110.20	91.84
42	ATK BH590	River Calder		1000.00	4.90	5.88	0.20	204.08	170.07
43	ATK BH591	River Calder		0.00	4.90	5.88	0.20	0.00	
44	BH4463	River Calder		200.00	4.90	5.88	0.20	40.82	34.01
45	QAQC1 - BI	River Calder		0.00	4.90	5.88	0.20	0.00	
46	QAQC2 - BI	River Calder		0.00	4.90	5.88	0.20	0.00	
47	ATK BH590	River Calder		0.00	4.90	5.88	0.20	0.00	
48	BH1	River Calder		0.00	4.90	5.88	0.20	0.00	
49	BH2	River Calder		0.00	4.90	5.88	0.20	0.00	
50	BH3	River Calder		0.00	4.90	5.88	0.20	0.00	
51	BH4	River Calder		0.00	4.90	5.88	0.20	0.00	
52	BH5	River Calder		200.00	4.90	5.88	0.20	40.82	34.01
53	BH6	River Calder		0.00	4.90	5.88	0.20	0.00	
54	BH7	River Calder		0.00	4.90	5.88	0.20	0.00	
55	BH101	River Calder		0.00	4.90	5.88	0.20	0.00	
56	BH102	River Calder		0.00	4.90	5.88	0.20	0.00	
57	BH103	River Calder		0.00	4.90	5.88	0.20	0.00	
58	BH4454	River Calder		0.00	4.90	5.88	0.20	0.00	
59	BH4455	River Calder		0.00	4.90	5.88	0.20	0.00	
60	BH4456	River Calder		13000.00	4.90	5.88	0.20	2653.06	2210.88
61	BH4458	River Calder		0.00	4.90	5.88	0.20	0.00	
62	BH4459	River Calder		0.00	4.90	5.88	0.20	0.00	
63	BH4460	River Calder		0.00	4.90	5.88	0.20	0.00	
64	BH4461	River Calder		0.00	4.90	5.88	0.20	0.00	
65	BH4462	River Calder		0.00	4.90	5.88	0.20	0.00	
66	BH4485	River Calder		0.00	4.90	5.88	0.20	0.00	
67	BH4486	River Calder		300.00	4.90	5.88	0.20	61.22	51.02
68	ATK BH590	River Calder		300.00	4.90	5.88	0.20	61.22	51.02
69	BH1	River Calder		0.00	4.90	5.88	0.20	0.00	
70	BH2	River Calder		0.00	4.90	5.88	0.20	0.00	
71	BH3	River Calder		0.00	4.90	5.88	0.20	0.00	
72	BH4	River Calder		0.00	4.90	5.88	0.20	0.00	
73	BH5	River Calder		300.00	4.90	5.88	0.20	61.22	51.02
74	BH6	River Calder		0.00	4.90	5.88	0.20	0.00	
75	BH101	River Calder		0.00	4.90	5.88	0.20	0.00	
76	BH103	River Calder		0.00	4.90	5.88	0.20	0.00	
77	BH4454	River Calder		0.00	4.90	5.88	0.20	0.00	
78	BH4455	River Calder		0.00	4.90	5.88	0.20	0.00	
79	BH4456	River Calder		11000.00	4.90	5.88	0.20	2244.90	1870.75
80	BH4458	River Calder		0.00	4.90	5.88	0.20	0.00	
81	BH4459	River Calder		0.00	4.90	5.88	0.20	0.00	
82	BH4460	River Calder		0.00	4.90	5.88	0.20	0.00	
83	BH4461	River Calder		0.00	4.90	5.88	0.20	0.00	
84	BH4462	River Calder		500.00	4.90	5.88	0.20	102.04	85.03
85	BH4485	River Calder		0.00	4.90	5.88	0.20	0.00	
86	BH7	River Calder		0.00	4.90	5.88	0.20	0.00	
87	BH4486	River Calder		0.00	4.90	5.88	0.20	0.00	
88	ATK BH590	River Calder		300.00	4.90	5.88	0.20	61.22	51.02
89	ATK BH591	River Calder		0.00	4.90	5.88	0.20	0.00	
90	BH4463	River Calder		0.00	4.90	5.88	0.20	0.00	
91	QAQC1	River Calder		0.00	4.90	5.88	0.20	0.00	

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