HORIZON NUCLEAR POWER

WYLFA NEWYDD

ENERGY WORKING FOR BRITAIN

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Wylfa Newydd Project

Horizon Nuclear Power Limited

Land Contamination Risk Assessment and Remediation Strategy

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1. Introduction

1.1 Background to the Wylfa Newydd Project

Chapter A2 (project overview and introduction to the developments) (Application Reference Number: 6.1.2) provides an overview of the Wylfa Newydd Project (the Project), with more detailed information on the WNDA Development in Chapter D1 (proposed development) (Application Reference Number: 6.4.1).

The following terms are used in this document when describing the geographical areas related to the Project:

- Power Station Site – the indicative areas of land and sea within which the majority of the permanent Power Station buildings, plant and structures would be situated.
- Wylfa Newydd Development Area – the indicative areas of land and sea including the Power Station Site that would be used for the construction and operation of the Power Station. It would also include the Site Campus.

These areas are shown on Figure 1.

1.2 Scope and Objective of this Report

This Land Contamination Risk Assessment and Remediation Strategy (RA/RS) has been prepared to support the DCO application for the Wylfa Newydd Project. It covers the extent of the Wylfa Newydd Development Area (shown on Figure 1) and is therefore applicable to all relevant activities of the WNDA Development (primarily excavations and earthworks) that would take place on the land-based part of this area.

This report includes a combination of desk-based review of available information (e.g. existing reports, historical maps, aerial photographs and environmental data searches) and interpretation of ground conditions encountered during several historical phases of intrusive investigation. This report also presents the scope and findings of the 2015 Ground Investigation (GI), which was completed to address data gaps in the contamination information and provide information to inform materials reuse and management.

In accordance with *Model Procedures for the Management of Land Contamination: Contaminated Land Report 11* (CLR11) (Environment Agency and Department for Environment, Food and Rural Affairs (Defra), 2004), available historical contamination information and the findings of the 2015 GI have been collated to undertake a preliminary risk assessment and Generic Quantitative Risk Assessment (GQRA) to identify potential and/or plausible pollutant linkages which might impact or be impacted by the Wylfa Newydd Project. This report provides a remediation strategy for dealing with unacceptable pollutant linkages. It does not address radiological risks which are discussed within the *Radiological Reference State of Wylfa Newydd Site – Radiological Baseline Report* (Horizon, 2015).

1.3 Limitations

The potential remains for the presence of unknown, unidentified, or unforeseen surface and sub-surface contamination. Any additional evidence of such potential site contamination would require appropriate surface and subsurface exploration and testing. The findings of this report were developed in a manner consistent with a level of care and skill normally exercised by members of the environmental science and engineering profession currently practising under similar conditions.

A number of the findings and conclusions presented in this report are based on information provided by third parties and/or historical records, which Horizon Nuclear Power Wylfa Limited has relied on in good faith. Jacobs accepts no responsibility for any deficiency, misstatements, or inaccuracy contained in this report as a result of errors, omissions or misstatements of said third parties or from information obtained from these.

If new information is obtained or developed during future work (which may include excavations, borings or other studies), Jacobs should be requested to re-evaluate the conclusions of this report, and to provide amendments as required.

2. Study Area Environmental Setting

2.1 Location

The Wylfa Newydd Development Area is located on the north coast of Anglesey and covers approximately 407 hectares of land. The approximate centre of the study area is at National Grid Reference 235400, 393300. Refer to Figure 1 for a location plan.

It is bounded to the north by the coastline of Wylfa Head, Cemaes Bay and the Existing Power Station. To the east, it is bounded by the properties of Cemaes. The A5025 road and residential properties of Tregele define part of the southeastern boundary. To the west it adjoins the coastal hinterland and includes part of Cestyll Garden, beyond which lies Cemlyn Bay which is designated as both a Special Area of Conservation (SAC) and Special Protection Area (SPA) (refer to Figure 2 for locations). Agricultural land surrounds the majority of the Wylfa Newydd Development Area boundary.

The study area for this report is a 250m buffer around the Wylfa Newydd Development Area – this is the area within which contamination sources would reasonably be predicted to affect the Wylfa Newydd Development Area. The study area is shown on Figure 1.

2.2 Topography

To the south of the Existing Power Station, land within the study area is at an elevation of about 2m Above Ordnance Datum (AOD), with a gentle slope towards a rocky coastline. The area largely comprises coastal grassland and agricultural land, characterised by rocky headlands with small bays.

Inland, the study area generally comprises rough grazing with exposed rock and gorse thickets. The landscape is characterised by drumlins (see Section 2.5.1 for details), which rise up to approximately 40m AOD in the southern parts of the study area. A topographical depression within which an area of fen forming the Tre'r Gof Site of Special Scientific Interest (SSSI) is located (see Section 2.4 for further details) is present to the east of the Existing Power Station.

The main landform features comprising the landscape setting are:

- the rocky coastal shoreline to the north;
- the topographical depression around Tre'r Gof SSSI;
- the natural drumlin landscape (which give rise to the undulating agricultural fields covering much of the Wylfa Newydd Development Area beyond the immediate vicinity of the Existing Power Station); and
- the artificial wooded drumlins (Dame Sylvia Crowe's Mound) associated with the Existing Power Station.

A contour plan of the central part of the study area is shown on Figure 2.

2.3 Landscape Designations

Much of the land to the east and west of the Wylfa Peninsula is designated as an Area of Outstanding Natural Beauty, and includes coastline that is also designated as part of the North Anglesey Heritage Coast. A small section of the study area to the southwest of the Existing Power Station is within the Area of Outstanding Natural Beauty.

2.4 Conservation Designations

There are two areas of conservation designation within the study area:

- Tre'r Gof SSSI, which is an area of fenland located to the east of the Existing Power Station site; and
- Arfordir Mynydd y Wylfa – Trwyn Penrhyn Wildlife Site, which extends from Wylfa Head, along the coastline to Trwyn y Penrhyn (north of Cemaes).

In addition, there are a number of locations with conservation designations immediately adjacent to the Wylfa Newydd Development Area:

- Ynys Feurig, Cemlyn Bay and The Skerries SPA;
- Cemlyn Bay SAC;
- Cemlyn Bay SSSI; and
- Cae Gwyn SSSI.

Refer to Figure 2 for the locations of the above sites.

2.5 Published Geology Information

2.5.1 Superficial Geology

According to British Geological Survey (BGS) mapping (BGS, 1974), the superficial geology underlying the Wylfa Newydd Development Area comprises glacial till ('boulder clay') deposited during the last major glaciation phase c. 14,000 to 24,000 years ago (the Late Devensian).

The *Environmental Baseline Conditions Report – Wylfa Newydd Ground Conditions, Hydrology and Hydrogeology* (CH2MHill, 2014) provides a detailed review of the processes that formed the geological conditions for the area; a brief summary of this review is presented below.

During the Late Devensian glaciation, an ice sheet advanced across Anglesey in a broadly northeast to southwest direction, with the lower part of the sheet attenuated, or slowed down, by the northern coastline of the island. This lower part deposited material (mainly glacial till) from areas to the north of Anglesey that had been picked up by, and entrained within, the ice sheet. The upper part of the ice sheet, which contained little entrained material, became separated from the lower part and advanced further inland collecting local material that was then deposited and later formed drumlins, which are small egg-shaped hills moulded by the formation and recession of the ice sheet. The predominantly northeast to southwest orientation of the drumlins reflects the direction of the ice flow. The upper part of the ice sheet eventually started to entrain material from the drumlins deposited on the northern coast, thereby moving both local and non-local geological material further to the south.

After the ice sheet retreated at the end of the glaciation period, wind-blown sediments were deposited and subsequently re-worked by permafrost weathering and erosion during periods of periglacial (freeze/thaw) condition. Valleys and topographical depressions were locally infilled with glacio-lacustrine sediments (mainly laminated silts and clays). The alluvium and peat deposits encountered within the Tre'r Gof SSSI are thought to largely be underlain by a deep sequence of such glacio-lacustrine and lacustrine sediments.

The published superficial geology is presented on Figure 3.

2.5.2 Bedrock Geology

The BGS geological map (BGS, 1974) illustrates that the bedrock geology underlying the majority of the study area comprises Cambrian metamorphic rocks of the New Harbour Group. The bedrock geology underlying the areas north and northeast of the Existing Power Station comprises the Gwna Group which spans from the late Precambrian to early Cambrian. To the south and southwest, the 250m buffer of the study area is underlain by the Skerries Group, the age of which is still under debate and which has recently been classified as part of the New Harbour Group.

The New Harbour Group is characterised by fissile, gritty green mica schist with bedded jasper, jaspery phyllite and alternating psammites and pelites. The Gwna Group is characterised by alternating silty and sandy layers, with green schist, mica schist, blue schist, psammite, quartzite and pillow lava. The Skerries Group (Church Bay Tuffs and Skerries Grits) is characterised by widely deformed and metamorphosed bedded successions of pebbly sandstones, conglomerates and basalts.

Both the Precambrian and Cambrian rocks have been subjected to multiple phases of deformation and metamorphism during the Caledonian Orogeny (during the Ordovician and Silurian periods). As a result, the bedrock geology of Anglesey has been extensively deformed, and structural relationships between the bedrock units are extremely complex. The bedrock geology has been cut by faults and joints of numerous orientations, but is predominantly orientated in similar directions to the bedrock foliation. This structural complexity is further compounded by igneous activity during the Palaeozoic Era and later Tertiary Period. This led to the intrusion of dolerite rocks in a series of east to west and northwest to southeast trending dykes which cross-cut the rocks of the Gwna Group and New Harbour Group. The Detailed Onshore Ground Investigation (DOnGI) Interpretative Report (Atkins, 2017) presents a detailed review of the faults present beneath the study area.

The published bedrock geology is presented on Figure 4.

2.6 Published Hydrogeology and Hydrology Information

2.6.1 Aquifer Classification

The superficial deposits (refer to Section 4.2) underlying the majority of the study area are classified by NRW as a Secondary Undifferentiated Aquifer. This classification is assigned in cases where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type (Environment Agency, 2016).

The bedrock in the study area is designated as a Secondary B aquifer, which denotes predominantly lower permeability layers which may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. The Secondary Undifferentiated Aquifer in the superficial deposits and Secondary B Aquifer are considered to be one contiguous groundwater body, such that they are considered as one receptor in this report, termed 'Secondary aquifers'.

The superficial deposits in the vicinity of the Tre'r Gof SSSI are designated as a Secondary A aquifer. A Secondary A aquifer is described as *"permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers"* (Environment Agency, 2016). These deposits are considered important in the hydrology of the Tre'r Gof SSSI.

2.6.2 Private Water Supplies

A number of private water supplies exist within the extended study area, including wells at Foel Fawr, Caerdegog Uchaf and Cae Gwyn. These properties are towards the edge of the hydrogeology study area and up-hydraulic gradient of the development, and will therefore not be considered further within this assessment.

2.6.3 Surface Water Catchments

A number of surface water catchments have been identified within the study area, which are identified below.

Tre'r Gof Catchment (including Tre'r Gof SSSI) – There are a series of small ephemeral watercourses at this location, some of which are spring fed, which all drain into the Tre'r Gof SSSI. Tre'r Gof is a lime rich wetland, dependent on a steady water supply through springs, groundwater seepages, ditches and surface runoff. It is sensitive to changes in water flow, water level and water quality (Countryside Council for Wales (CCW), 1987).

Afon Cafnan Catchment – The main watercourse in this catchment is Afon Cafnan, which drains an area of approximately 10km^2 south of the Wylfa Newydd Development Area, discharging to the sea south of Porth-y-pistyll. This watercourse is a Water Framework Directive (WFD) defined water body and is assessed as having moderate ecological potential under the WFD. This catchment includes Cae Gwyn SSSI, which drains via Caerdegog Isaf, an ephemeral channel. However, the SSSI is upstream of the parts of the catchment adjacent to the development.

Power Station Catchment – This drains a small catchment (0.3km^2) immediately to the south of the Existing Power Station, flowing westward to discharge at Porth-y-pistyll. The stream in this catchment was possibly re-aligned during construction of the Existing Power Station.

Cemlyn Catchment (including Cemlyn Bay SSSI and SAC) – A catchment located to the west of the Wylfa Newydd Development Area with an area of approximately 2.3km^2. This watercourse is a WFD defined water body and has a moderate ecological status under the WFD. The watercourse drains to Cemlyn Bay SSSI, a lagoon which is considered to be the best example of a saline coastal lagoon in Wales and is also classified as an SAC and SPA. The lagoon is separated from the sea by a shingle bank with a narrow channel at the western end; Cemlyn catchment flows into the lagoon.

The above noted SSSIs, SACs, SPAs and their key surface water features are shown on Figure 2.

2.7 Current Land Uses

The study area can be split into a number of key parts, as set out below.

2.7.1 Land Between the Existing Power Station and Cemlyn Road

The Existing Power Station adjoins the northern part of the study area, and is a prominent feature in the local landscape. Notable elements of the landscape design constructed at the same time as the Existing Power Station include two substantial artificial mounds (Dame Sylvia Crowe's Mound), and an extensive, largely coniferous tree planting extending around the southern and eastern sides of the Existing Power Station, which effectively soften most views from the semi-open landscape to the south and east. The original landscape design incorporates a nature trail and a panoramic elevated viewing point. To the northeast of this woodland is a small public car park, which serves local walkers, providing access on foot to Wylfa Head.

The access road to the Existing Power Station also provides access to the former visitor centre, car park, outdoor café and picnic/play area. There are playing fields to the south of the Existing Power Station associated with the former Wylfa Sports and Social Club.

The portion of the study area to the north of the Existing Power Station largely comprises active pasture land sub-divided into small to medium-sized irregular field parcels, often defined by overgrown dry stone walls. The landform is generally gently undulating with occasional rock outcrops, culminating at Wylfa Head to the north.

2.7.2 Land to the South of Cemlyn Road

Land to the south of Cemlyn Road generally comprises medium-sized fields in pastoral use, covering the undulating drumlin landform. Field boundaries often comprise dry stone walls, many of which are in poor condition, whilst some comprise overgrown hedges.

Narrow ditches drain the area along field boundaries; their courses following lower lying land at the base of drumlins.

2.7.3 Coastal Margin

The study area encompasses the shoreline between the small cove at Porth-y-pistyll to the west and just east of the cove at Porth y Wylfa. It includes the headland at Wylfa Head, northeast of the Existing Power Station, and the rocky coastline of Cemaes Bay. The coastline varies from low-lying rocky shoreline at Porth-y-pistyll, high cliffs at Wylfa Head, to the small shingle beach at Porth y Wylfa.

2.7.4 Land to the East of the Existing Power Station

East of the Existing Power Station and the minor public road, which provides access to the small public car park, the study area mainly comprises gently undulating pasture with public access provided by a number of footpaths, as well as the Wales Coast Path. This part of the study area includes the Tre'r Gof SSSI. Towards

Cemaes, the land rises to a ridge orientated north to south, which provides a natural screen to views from housing on the edge of Cemaes, preventing most views of the Existing Power Station.

2.8 Historical Land Uses

A detailed review of historical Ordnance Survey (OS) mapping and aerial photography for the study area is presented in Table 2.1. This review builds upon and updates the historical summaries presented in the *Contaminated Land Desk Study and Initial Risk Assessment* (Halcrow, 2012a). A summary of the main historical uses of the site are presented below.

The study area remained largely undeveloped, comprising predominantly agricultural and coastal hinterland until the 1960s, during which time development of the Existing Power Station commenced. Prior to this, the only notable features within the study area were several farmsteads including associated lime kiln and corn mill (from 1800s), and later a number of radar masts.

Aerial photography from 1968 indicates a number of structures and car parking within the southwestern extents of the Existing Power Station and beyond its southern boundary, covering much of the proposed Power Station Site. These features are considered to have comprised the construction compound, used as storage areas during the development of the Existing Power Station. Around the same time, construction of the Existing Power Station was taking place to the north of the Power Station Site. Additional construction compounds and storage areas were also present on Wylfa Head to the north of the Existing Power Station.

Historical mapping and aerial photography for the 1970s show the construction compound to the south still to be present, albeit with fewer temporary buildings. Other notable features include a large circular structure at the location of the valve chamber identified in the Enviros Land Quality Assessment Report (Enviros, 2008), indicating the potential presence of an above-ground storage tank. Three large warehouses and laydown areas were present in the area of the existing access road, and a car park and shed were present at the location of the gatehouse and administration extension buildings. Another large shed, car park and plant laydown were present on the field to the south of the site entrance, and a depot was identifiable adjacent to The Firs on Cemlyn Road.

The Existing Power Station was completed in 1971, although the construction compound and storage area to the northeast appears to have still been used for the storage of stone and soils or earthworks/landscaping which was taking place at this time. By 1972, the aerial photography shows this area as vacant and unused.

Table 2.1 : Historical land uses of the Wylfa Newydd Development Area

Source/year	Power Station Site	Wylfa Newydd Development Area
OS mapping 1889	Two streams merging into one to the east and flowing westwards across the site towards the sea. The line of the stream coincides with that shown on the modern map and it seems that part of it was later diverted into a culvert. Two wells are shown, located adjacent to the stream in the central area and close to the northern site boundary in the west. The maps show a pump at Tai Hirion and an old lime kiln in the west of the site.	A small quarry is shown approximately 200m to the south of the buildings identified as Wylfa. Springs are shown to the south of Wylfa. A corn mill is located on the line of a stream to the west of the Wylfa Newydd Development Area.
OS mapping 1890–1892	Agricultural fields cover much of the site. Small patches of rough grassland and furze are shown in some locations. Four farmsteads are identified on the site: Pen-pistyll, Cwt, Tai Hirion and Simdda-wen.	To the east of the study area, a winding road leads from the south of Wylfa. Small clusters of buildings are also present in the surrounding area and are probably mostly farmsteads. There is a small quarry shown between Ty Croes and Wylfa.
OS mapping 1901	Simdda-wen had been enlarged. A second building had been constructed close to the Cwt and the buildings are now labelled as Skerries View. The corn mill is shown as disused. Several wells and pumps are shown under the area of the Power Station Site.	The quarry present on the 1890 edition is still shown as well as a further site marked “Old Quarry” to the northeast; both of these features are beneath the current landscape mound (Dame Sylvia Crowe’s Mound) associated with the Existing Power Station and are approximately 20m in length.
OS mapping 1926	Vegetation comprising furze is shown to be growing on the southwest corner of the site where a new well is marked, and to the south of Skerries View.	The quarries are no longer labelled, although the map indicates they are still present as features on the landscape.
Aerial photograph 1940	No significant changes.	A series of masts and small buildings are shown in the area of the Existing Power Station and on Wylfa Head. These are believed to be a WW2 radar/wireless facility.
Aerial photograph 1945 and OS mapping 1953	No significant change other than radar masts now indicated on site.	No significant changes.
Aerial photograph 1948	No significant changes.	No significant changes.
OS mapping 1963	No significant changes.	No significant changes.

Source/year	Power Station Site	Wylfa Newydd Development Area
Aerial photograph 1968	Structures and car parking are evident within the southwestern extents of the Existing Power Station and beyond its southern boundary covering much of the proposed Power Station Site. The area appears to be being used as a construction compound and storage area, mostly for structural steelwork and cable drums. Two buildings are visible in the southeastern extent of the Existing Power Station, as well as car parking and other structures. A radar mast is still evident in the northwest of the Power Station Site.	The construction of the Existing Power Station is evident. Additional construction compounds and storage areas are present to the northeast of the Existing Power Station. A number of buildings and structures are present between the northern boundaries of the Power Station Site and Wylfa Newydd Development Area in association with the Existing Power Station.
Aerial photograph 1971, 1972 and OS mapping 1976–1978	The construction compound still appears to be present, but the number of temporary buildings has been reduced. An area of possible excavation/earthworks is visible in the northern extents of the compound. The structures within the southeast of the Existing Power Station are no longer shown and the most southeasterly building appears to be being dismantled in 1972. On the 1971 photo, a large circular structure is shown at the location of the valve chamber identified in the Enviros Land Quality Assessment Report (Enviros, 2008). In 1972, Skerries View was still present. Three large warehouses and laydown areas were present in the area of the existing access road and car park. A shed was present at the location of the gatehouse and administration extension buildings. Another large shed, car park and plant laydown were present on the field to the south of the site entrance. A depot is identified adjacent to The Firs on Cemlyn Road	The aerial photos show the Existing Power Station to be nearly complete. In 1971, the construction compound and storage area in the northeast appears to be used for the storage of stone and soils potentially for the earthworks/landscaping that was taking place, but by 1972, the area appears vacant and unused. The completed station is shown on the 1978 OS map. The former quarries are no longer shown.
Aerial photograph 1982	The construction compound is no longer present. The building, which was in the process of being dismantled in 1972, now appears to have been fully removed.	Additional buildings forming part of the Existing Power Station are now visible in the area where possible excavation/earthworks were previously shown.

Source/year	Power Station Site	Wylfa Newydd Development Area
Aerial photograph 1992	Wylfa visitor centre is present to the east of the Existing Power Station.	No significant changes.
Aerial photograph 1994	No significant changes.	No significant changes.
OS mapping 2002	No significant changes.	No significant changes.
OS mapping 2010	No significant changes.	No significant changes.
OS mapping 2014	The depot is no longer identified, although the buildings remain present.	No significant changes.

2.9 Regulatory and Archive Information

The information in this section has been obtained from the following sources:

- Landmark Envirocheck (Envirocheck) data obtained by Arup in 2008 (Arup, 2008);
- Groundsure Insight (Groundsure) data obtained by Halcrow in 2011 (Halcrow, 2012a);
- Isle of Anglesey County Council (IACC) Environmental Search Enquiry requested by Jacobs (IACC, 2015);
- Natural Resources Wales (NRW) Information Request requested by Jacobs (NRW, 2015); and
- *Explosive Ordnance Desk Top Study: Wylfa 'B' Power Station, Isle of Anglesey* (Halcrow, 2009).

It should be noted that the Envirocheck and Groundsure environmental data reports do not cover the entirety of the study area and are focused on the Power Station Site and its immediate surrounding area.

2.9.1 Discharge Consents

The Groundsure and Envirocheck reports (Arup, 2008; Halcrow, 2012a) indicate that there are no discharge consents within the Power Station Site. In 2011 there were two active consents relating to the Existing Power Station, both of which are for cooling water and site drainage, which discharge into the Irish Sea (it is noted that the cooling water discharge will now have ceased). A further discharge consent held by Welsh Water for treated sewage is also reported as being approximately 900m north of the Power Station Site. A number of revoked discharge consents are also listed. None of these are considered to have the potential to significantly impact the study area.

2.9.2 Pollution Incidents to Controlled Waters

The Envirocheck and Groundsure reports and the NRW Information Request response indicate there have been a number of minor pollution incidents to controlled waters relating to both the Existing Power Station and domestic properties and farmsteads. Given their minor nature they are not considered to have the potential to significantly impact the study area. A significant incident is listed in 1998 (overflow into the Irish Sea of unnamed inorganic chemical north of the Existing Power Station). Given the time which has elapsed since this pollution incident it is not considered to have the potential to significantly impact the study area.

2.9.3 Landfill and Waste Sites

The Envirocheck and Groundsure reports indicate that there are no landfill sites of any type within 250m of the Power Station Site. The NRW response identifies one landfill associated with the Existing Power Station site that accepted inert and industrial waste, with the last waste accepted in 1980. The Contaminated Land Desk Study and Initial Risk Assessment (Halcrow, 2012a) reports that the two quarries identified on the historical maps may have been infilled with waste materials, although given the size of these features they are unlikely to represent a large volume of waste material – these are also now believed to be buried beneath Dame Sylvia Crowe's Mound. A review of the Environment Agency's (2015a) 'What's In Your Backyard' website, noting that

NRW have now taken over the responsibilities of the Environment Agency in Wales, indicates that there are no active or historical landfills within the study area.

The IACC have provided information from their archive about a large number of infilled quarries and known waste disposal sites. The locations of the known sites are presented on Figure 5. There are seven filled quarries (1891 to 1978), one area of filled ground (1963) and one filled stream (1901) recorded within the Wylfa Newydd Development Area and a further three filled quarries (1891 to 1901) and one waste disposal site (1978) within the study area. These are potential sources of contamination, which will be considered within the Conceptual Site Model (CSM) developed for the study area, although given the scale of these sites they are considered unlikely to be significant. The sites identified outside of the study area are not considered to have the potential to significantly impact the Wylfa Newydd Development Area.

2.9.4 Potentially Contaminative Industries and Land uses

The IACC have provided information from their archive about a number of potentially contaminative industries. The locations of the known sites are presented on Figure 5 and include the following:

- the Existing Power Station (1978);
- former ceramics industry (1890) by Skerries View (assumed to refer to the disused lime kiln in this location);
- sewage works (1978) which is still present adjacent to the Existing Power Station; and
- Transport/haulage company (1978) within the study area (identified as a depot on the Cemlyn Road on the historical mapping).

Refer to Figure 5 for the locations of the above identified sources.

2.9.5 Radon

Radon is a naturally occurring radioactive gas, the concentration of which varies from place to place. Radon is harmful to occupants of buildings if it is allowed to accumulate in poorly ventilated areas. In order to limit the risk to individuals, the UK Government has adopted an action level for radon in residential dwellings of 200 becquerels per cubic metre (Bq/m^3).

The Health Protection Agency (HPA) map for the study area (HPA, 2015) indicates that the eastern part of the study area has a Maximum Radon Potential (the estimated percentage of homes above the Radon action level) of <1%. However, the area around Porth-y-pistyll is identified to have a Maximum Radon Potential of 1-3%, while the area around Cemlyn Bay is indicated to have a Maximum Radon Potential of 3-5%.

2.9.6 Unexploded Ordnance (UXO)

A desk-based study was undertaken in 2009 (Halcrow, 2009) to assess the likelihood and consequence of an encounter with UXO within the area proposed for the construction of the Power Station. The area of investigation covered the majority of the Wylfa Newydd Development Area, although some areas within the north (at Wylfa Head), southwest and southeast were excluded from the scope of the study. The study concluded that there is a low risk of encountering UXO during intrusive activities. Basic safety precautions were recommended, including communication of the risks to all those at risk, UXO safety awareness training and review of the risk outcome should UXO be encountered (Halcrow, 2009).

2.10 Previously Identified Areas of Potential Concern (APCs)

Several previous land contamination assessments have been undertaken both for the Existing Power Station and the Wylfa Newydd Development Area; these are referenced in Section 3. These have included desk-based review of historical information on the previous land uses, development and operational history of the Existing Power Station and review of available ground condition information obtained from intrusive investigations and groundwater monitoring programmes.

As part of these previous contamination assessments, a number of APCs have been identified which are primarily associated with the Existing Power Station and the area immediately surrounding it; these APCs have evolved over time as additional information has become available. Details of the evolution of APCs are presented within Appendix A.

While a number of APCs have been identified, those listed in Table 2.2 below are considered to be of primary relevance given their location within the footprint of the Power Station Site. The APCs identified below are presented on Figure 6.

Table 2.2 : Summary of relevant APCs

Ref.	Description
APC6[1]	Non-radiological contaminants may be present within fill material (which includes railway ballast) used to landscape the area to the north of the gas turbine fuel oil tanks, in the north of the Existing Power Station site. Ballast may contain some hydrocarbon contamination relating to leaks of fuel and hydraulic liquid from rolling stock.
APC7	Located to the south of the Existing Power Station and included a contractor's laydown area, car park and workshop during construction of the Existing Power Station. Redundant site vehicles and abandoned cars were present in the area in the early 1970s. Chlorinated solvents (primarily TCE) were observed within water samples obtained from a sump and surface water course during historical investigations. Asbestos and hydrocarbon contamination identified in made ground in the area to the southwest of the Existing Power Station.
APC9	Located to the north of the 400kV switch house at the Existing Power Station and included offices, parking, site plant, stores, workshops and a cement mixing plant during the construction of the Existing Power Station. APC9 also includes part of a former contractor's site disposal area.
APC10	Former topsoil storage area.
APC11	Existing Power Station construction works spoil heap (later removed to an area north of 400kV switch house, APC9). Former contractor's site disposal area.
APC12	Spoil heap area (including Dame Sylvia Crowe's Mound). Anecdotal evidence that the heap contains buried heavy machinery and site vehicles. The mound covers the areas of two old quarries identified during the review of historical mapping.
APC15	Area identified from historical map review (Halcrow, 2012a) to potentially contain made ground.
APC16	Tregele petrol station located on the southeastern boundary of the Wylfa Newydd Development Area.
APC17	A localised area of made ground including a spoil heap containing general waste (plastic, rubber, etc.) but also recorded as containing asbestos located to the east of the former Tai Hirion farmstead.
APC18	Made ground identified during the DOnGI associated with former properties along Cemlyn Road.

Further discussion on the nature of the above APCs is presented in Section 4. It should be noted that no investigations have been completed in or near APC16 at the current time, and only surface soil sampling has been undertaken in APC6 to date.

[1] It should be noted that APC6 was originally identified in BNFL (2005), but was not referenced in earlier revisions of this report. However, due to changes in the Wylfa Newydd Development Area boundary, this APC is now relevant to the study area and has therefore been included.

3. Ground Investigations

3.1 Introduction

A number of desk-based studies and intrusive ground investigations have been undertaken on the study area that are relevant to understanding land contamination. The most relevant desk-based, factual and interpretative reports resulting from these investigations are presented in Appendix Band are summarised in Table 3.1 below.

Table 3.1 : Summary of intrusive ground investigations and reporting

Title	Company	Year	Description of work undertaken
Wylfa 'B' Ground Investigation	Wimpey Laboratories Limited (Wimpey)	1987	21 vertical rotary boreholes, 16 inclined rotary boreholes, 17 cable percussive boreholes and 8 trial trenches.
Ground Investigation for Porth Yr Ogof CCGT (BL/E/57431)	Soil Mechanics	1997 – 1998	24 boreholes, 10 trial pits, 37 probe holes and 2 resistivity tests
Wylfa Newydd Preliminary Site Investigation (PSI)	Structural Soils Limited	2009 – 2010	11 rotary boreholes, 10 cable percussive boreholes and 9 trial pits.
PSI Interpretative Report	Halcrow Limited	2010	PSI Interpretative Report including an assessment of contamination testing.
Investigation of Chlorinated Solvent Contamination of Water in Sump Adjacent to Wylfa Site	Enviros Limited	2009	Detailed investigation of an area of chlorinated solvent contamination.
Wylfa Newydd Intermediate Onshore Ground Investigation (IOnGI)	Structural Soils Limited	2010 – 2011	57 rotary-cored boreholes, 23 cable percussive boreholes, 10 trial pits, 28 trial trenches, 5 hand-augered boreholes and surface geophysical testing.
Wylfa Newydd Intermediate Offshore Ground Investigation (IOffGI)	Fugro Seacore Limited	2011	11 boreholes.
IOnGI Geotechnical Interpretative Report	Halcrow Limited	2012	IOnGI Interpretative Report, including assessment of contamination testing and investigations.
Contaminated Land Desk Study and Initial Risk Assessment Report	Halcrow Limited	2012	Desk study and preliminary risk assessment based on all information available at the time of writing.
Wylfa Newydd Nuclear Power Station. DOnGI Split into High and Low Priority holes	Structural Soils Limited	2014 – 2015	96 cable percussive boreholes, 282 vertical rotary boreholes, 32 inclined rotary cored boreholes, 85 trial pits.
Factual Report 2015 Ground Investigation	Structural Soils Limited	2015	4 cable percussive boreholes, 1 rotary-cored borehole, 58 trial pits and 4 hand-dug trial pits.
DOnGI Interpretative Ground Investigation Report	Atkins Limited	2017	DOnGI Interpretative Report, including contamination assessment for human health, controlled waters, ground gas and waste classification.

3.2 Previous Investigations

A summary of the contamination investigation scope of each of the main phases of historical ground investigation relevant to the study area is presented below.

3.2.1 Wimpey and Soil Mechanics Investigations

In the late 1980s, a Wylfa 'B' power station was proposed on land to the south of the Existing Power Station. Ground investigation was carried out by Wimpey between 1985 and 1987 to inform the development proposal.

Further ground investigation was undertaken by Soil Mechanics between 1997 and 1998 for a proposed combined cycle power station to the northeast of the Existing Power Station. The onshore works comprised 24 boreholes, 10 trial pits, 37 probe holes and 2 resistivity tests, supplemented with *in situ* and laboratory testing, and groundwater monitoring.

The Wimpey and Soil Mechanics Factual Reports are presented in Appendix B. Exploratory hole locations are presented on Figure 7.

3.2.2 Preliminary Site Investigation (PSI)

The PSI contained limited targeted assessment of land contamination, including the following:

- geophysical assessment of underground structures in the area of TCE contamination within a sump identified to the south of the Existing Power Station;
- sampling of soil and groundwater from around the sump;
- sampling of groundwater from the sump and outfall;
- sampling of potential areas of made ground in APC9, APC10 and APC11 (refer to Figure 6 for location of the APCs and Section 2.10 for APC description);
- sampling of groundwater from BH14 (referred to as SMBH14 throughout, see Figure 7 for location) to assess for the continued presence of hydrocarbon contamination; and
- GQRAs of soil and groundwater testing results.

Full details of the sampling and assessments undertaken during the PSI are presented in the PSI Interpretative Report (Halcrow, 2010). The PSI Factual Report is presented in Appendix B. Exploratory hole locations are presented on Figure 8.

3.2.3 Enviros Investigation of TCE Sump

This assessment focused on a sump containing TCE-contaminated groundwater located to the south of the Existing Power Station. Site works included sampling water from within the sump and surface water within a culvert and stream located near to the sump.

Further discussion of this area is presented in Section 4.1.2.2. Full details of the investigations and findings are presented in the Investigation of Chlorinated Solvent Contamination of Water in Sump Adjacent to Wylfa Site (Enviros, 2009).

3.2.4 Intermediate Onshore Ground Investigation (IOnGI)

The IOnGI built upon work completed during the PSI and the assessment of the TCE sump by Enviros and included the following:

- additional trial pits in APC9, APC10 and APC11;
- excavation of trenches around the TCE sump;
- sampling of groundwater at SMBH14;

- laboratory analysis of soil samples obtained from across the study area; and
- GQRAs of soil and groundwater testing results.

Full details of the sampling and assessments undertaken are presented in the IOnGI Geotechnical Interpretative Report (Halcrow, 2012b). The IOnGI Factual Report is presented in Appendix B. Exploratory hole locations are presented on Figure 8.

3.2.5 Detailed Onshore Ground Investigation (DOnGI)

The DOnGI was an extensive ground investigation for site characterisation purposes that included assessment for land contamination and included the following key elements:

- extending the understanding of contamination conditions across the wider site area, in particular by undertaking a number of geo-environmental trial pits located across APCs and other areas of the site;
- assessment of asbestos and hydrocarbons within made ground identified immediately southwest of the Existing Power Station;
- assessment of groundwater conditions, including sampling of SMBH14;
- one round of ground gas monitoring; and
- GQRAs for human health, controlled waters and ground gas.

Full details of the above assessment are presented in the DOnGI Final Interpretative Report (Atkins, 2017). The Factual Report from the DOnGI is presented in **Error! Reference source not found.**. Exploratory hole locations a re presented on Figure 9.

3.3 2015 Ground Investigation

The 2015 GI was undertaken to fill gaps identified within the previous contamination assessments of the site and to target areas of concern highlighted during the PSI, IOnGI and DOnGI.

The 2015 GI comprised 54 machine-excavated trial pits and five hand-dug pits undertaken across the Wylfa Newydd Development Area, specifically within the areas identified by the Gap Analysis report (Jacobs, 2014) as requiring further investigation in order to support the relevant environmental assessments. In addition, a further seven boreholes were drilled in order to provide additional geotechnical information for proposed road re-alignments and stream diversions and to facilitate the installation of gas-monitoring wells.

The contamination investigation was targeted to both improve coverage within a number of the APCs within which investigation had been limited, or had not covered the full extent of the area, and to provide further information on areas outwith the APCs to improve general coverage of the study area to support the proposed reuse of material on the Wylfa Newydd Development Area.

In particular, the following areas/materials were targeted:

- APC7: trial pits and boreholes were located to provide further details on the nature and extent of the area of fill material containing asbestos and to provide further information on the wider extent of the APC;
- APC9: trial pits were located to provide coverage across the APC – previous investigations had not included the eastern part of the area;
- APC10: trial pits targeted to improve coverage of the area;
- APC11 and APC12: hand-dug pits located across the nature trail area to understand the nature of the surface material present;
- APC15: trial pits to investigate ground conditions;
- APC17: a trial pit within the waste material to provide further information on the nature of the material;
- APC18: trial pits across the area to assess the extent and nature of any made ground present; and

- the former Wylfa Sports and Social Club: trial pits targeted to an area of asbestos containing made ground encountered during the DOnGI and to the area around the clay pigeon shooting area.

Laboratory analysis of samples was focused on supplementing the dataset on made ground and topsoil to inform risk assessments and materials management, and did not include any substantial sampling of underlying natural material. Two soil sampling suites were adopted: a comprehensive set of analyses suitable for assessing ground contamination that was used in locations where made ground was encountered and a reduced suite of analyses to provide adequate site characterisation in areas of natural topsoil or superficial deposits to support future reuse.

The 2015 GI did not include further assessment of the TCE contamination in APC7, as this area was considered to have been suitably characterised by previous studies. In addition, no assessment was made of any potential transboundary migration of contaminants from the petrol station at Tregele, as this area would be considered further when assessments are undertaken on the areas proposed for landscape mounds.

The 2015 GI Factual Report is presented in Appendix B. The exploratory hole locations from the 2015 GI are presented on Figure 10.

Following the 2015 GI, additional groundwater monitoring and sampling was undertaken in January 2016 at a number of boreholes in APC9 to further investigate hydrocarbon contamination around SMBH14.

3.4 Collation of Data

In order to assess ground investigation and laboratory contamination testing data from the various phases of ground investigation undertaken on-site, a combined database containing all available historical AGS (Association of Geotechnical and Geoenvironmental Specialists) data provided by Horizon from the following phases of ground investigation has been used (with AGS provider referenced):

- The IOnGI (Structural Soils Limited, 2010-2011);
- The IOffGI (Fugro Seacore Limited, 2011);
- The PSI (Structural Soils Limited, 2009-2010);
- Ground Investigation for Porth Yr Ogof CCGT (BL/E/57431) (Soil Mechanics, 1997-1998); and
- Wylfa ‘B’ Ground Investigation (Wimpey, 1987).

The factual reports for the ground investigations listed above are included in Appendix B.

It should be noted that the laboratory contamination analysis results from the PSI were not included within the historical AGS data. The data are available in Microsoft Excel format, presented as modified data within the PSI Interpretative Report (Halcrow, 2010). As these data had not been collated with the received AGS data, they have not been verified. The data have, however, been screened against relevant criteria for risk to human health and controlled waters. Refer to Section 6 for further information.

4. Ground Conditions

As noted above, a number of ground investigations have been completed in the study area. Information from these investigations has been used to develop the ground model presented below.

4.1 Artificial Geology

The majority of the study area is undeveloped, and therefore artificial geology (i.e. made, worked or in-filled ground) is largely absent. However, made ground has been encountered in a number of locations across the study area by the various phases of ground investigation completed to date.

To support the discussion of made ground types encountered across the study area, the four types of made ground identified within the DOnGI Interpretative Report (Atkins, 2017) have been used. The descriptions of each type of made ground are presented in Table 4.1 below.

Table 4.1 : Made ground units types (after Atkins, 2017)

Type	Unit	Typical description
1	Waste material	Dark brown mottled dark grey sandy gravel with cobbles, containing a mixture of metal, wire, plastic sheeting, fibreglass, whole bricks, asphalt, slag, old oil filters, ash, plastic pipe, plastic tape, glass, wood, masonry, corrugated board/metal and possible asbestos board/cement.
2	Re-worked natural ground intermixed with made ground/waste	Brown clayey sandy gravel with medium cobble and boulder content, containing inclusions of anthropogenic waste material.
3	Re-worked natural/possible made ground	Brown to dark brown or grey slightly clayey sandy gravel with rare quantities (i.e. <1% of material) of brick or ceramics.
4	Topsoil	Brown, firm, friable, gravelly, sandy clay with abundant rootlets and occasional anthropogenic material.

Figures 11 – 14 present the location of the different types of made ground found in the study area (note that in some holes several different types of made ground were encountered, and therefore some holes appear on several drawings). Figure 15 presents a plan showing the 'worst case' made ground found in each hole (ascending from type 1 to 4), with interpolation between and beyond recorded made ground to show the potential made ground coverage across the study area.

A description of made ground and contamination observations encountered across the study area is presented below.

4.1.1 APC6

Only shallow surface sample data are available for APC6 and thus information on ground conditions is not available.

4.1.2 APC7

4.1.2.1 Made Ground

During the DOnGI, IOnGI and PSI, made ground types 1 – 4 were encountered across APC7, with made ground type 1 comprising largely waste material, confined mainly to the area immediately southwest of the Existing Power Station. Made ground types 2, 3 and 4 were found more generally across the remainder of the APC. The presence of these types of made ground across the APC is likely a result of the former use of the area as a contractor's laydown area, car park and workshop during the construction of the Existing Power Station.

The PSI identified two locations with type 2 made ground, BH301R and BH312, with the anthropogenic materials including concrete and clinker. The maximum depth recorded was 0.75m below ground level (bgl) and the thickness ranged from 0.1m to 0.25m. Type 3 made ground was found at four locations, namely BH301R, BH312, BH313 and BH314, at depths of up to 3m bgl, with the thickness between 0.15m and 2.85m. Type 4 made ground was only encountered at BH301R to 0.2m bgl.

Type 1 made ground was found to be present during the IOnGI at BH617R between 0.15m and 1.2m bgl. Brick, metal, wood and general waste were noted. Type 2 was recorded to a maximum of 4.4m bgl with the thickness ranging from 0.05m to 4.1m. Concrete, metal, tarmac, slag and a brick wall from 0.15m to 1.4m over a concrete base were identified within this material. Type 3 was also recorded at depths of up to 3.7m and thicknesses of 0.05m – 2.5m, whilst type 4 was encountered at up to 0.3m bgl.

Five locations with type 1 made ground were encountered during the DOnGI to a maximum of 2m bgl, with the thickness ranging between 0.2m and 1.65m. TP700/1 was noted to contain possible landfill material with inclusions of metal, plastic, bricks, slag, ash, asphalt and an old oil filter. Other fill material including brick, metal, plastic and wire were identified in the other type 1 locations (TP700/2, TP800/25, TP800/26 AND TP800/27) to the southwest of the Existing Power Station. Type 2 made ground was found at a number of locations, with the maximum depth recorded 2m bgl and the thickness ranging between 0.15m and 1.4m. Made ground type 3 was recorded to 3.5m bgl with a thickness range of 0.1 to 2m, whilst type 4 was encountered to 0.5m bgl.

During the 2015 GI, type 1 made ground was recorded at three locations, namely BH7BH01, PC7TP01 and PC7TP04, with thicknesses ranging between 0.45m and 2.2m. These locations are within broadly the same area that waste-type materials were encountered during the previous investigations. Type 3 made ground was also locally recorded, although to a lesser degree, and was frequently found to overlie the type 1 and/or type 2 materials.

Refer to Figures 7 to 10 for exploratory hole location plans and Figures 11 to 15 for distribution of made ground by type across APC7.

4.1.2.2 Observations of Contamination

Three specific areas of visual/olfactory contamination identified within APC7 are considered in more detail below:

- sump and valve chamber;
- hydrocarbon contamination at OT613 and PC7TP08; and
- area of waste material containing asbestos.

Sump and Valve Chamber

One of the key features of this area identified during early investigations was a sump covered by a manhole, the historical purpose of which is unknown. A further manhole is located approximately 5m from the sump, within which a small chamber containing pipework was observed (this feature was named the ‘valve chamber’ during investigation and reporting). Refer to Figure 5 for the location of the sump/valve chamber.

Historical investigations identified the presence of chlorinated solvents (in particular TCE) within the sump, with concentrations varying over time. In order to further assess the contamination, Enviros was commissioned to undertake chemical sampling and laboratory analysis of water collected from the sump and nearby surface water courses in 2007 and 2008 (Enviros, 2009).

As part of the PSI, further investigation of the sump and surrounding area was undertaken. A geophysical survey was undertaken which identified a possible underground storage tank (UST) present beneath the valve chamber with buried pipelines from both the tank/chamber and sump heading towards the Existing Power Station. A culvert was also identified at a depth of 1.5m bgl within approximately 3m of the sump.

Elevated TCE was not identified in samples taken from the soil surrounding the sump, nor in the groundwater taken from a borehole located downgradient of the sump. It was suggested within the PSI Interpretative Report

(Halcrow, 2010) that the TCE is likely to be entering the sump either from the underground pipework that enters the sump directly or from the UST identified approximately 5m away. The TCE concentrations observed during the PSI were significantly lower than those identified during the Enviros investigation (Enviros, 2009).

This area was further investigated during the IOnGI and included excavation of trial trenches in the vicinity of the sump and the valve chamber/UST, and tracing of underground pipelines towards the Existing Power Station (Halcrow, 2012b). A rectangular tank at a depth of 2m – 3m bgl was observed at the sump with no obvious signs of leakage or contamination of the surrounding soil. A 6-inch steel pipe was observed leading from the sump towards the Existing Power Station. The UST was not encountered beneath the valve chamber; however, metal pipework was observed to exit the concrete chamber and head towards the Existing Power Station. Soil samples were collected from the area surrounding the valve chamber and sump.

No further investigation of the sump area was undertaken during the DOnGI or the 2015 GI with regards to soil contamination.

Hydrocarbon Contamination at OT613

During the excavation of observation trench OT613 during the IOnGI (refer to Figure 8 for location), a localised area of hydrocarbon contaminated soil was identified in the western trench face, towards its southern end. The contamination was observed to rest directly upon bedrock at a depth of between 1.0m and 1.2m bgl, over an approximate length of 0.5m.

The contaminated soil exhibited a grey staining and a moderate hydrocarbon odour, and the surrounding soils were brown. A small quantity of perched water was associated with the contaminated soil and had a hydrocarbon sheen and odour. None of the holes excavated near to OT613 during the DOnGI encountered any visual evidence of hydrocarbon contamination.

Hydrocarbon Odour at PC7TP08

During the 2015 GI, a strong hydrocarbon odour was reported in PC7TP08 at 1.0m to 1.7m bgl within glacial till (refer to Figure 10 for location). There was no visual evidence of hydrocarbon contamination within the trial pit with arisings from the depth where the odour was noted comprising clean, naturally occurring material (refer to Appendix B for factual report containing photographs showing arisings from the hole).

Area of Waste Material Containing Asbestos

During the IOnGI, at the far northwestern edge of APC7, asbestos was identified in samples taken from made ground encountered in the starter pit for borehole BH617R at a depth of 0.5m bgl. The sample comprised dark brown, silty, gravelly sand.

As a result of the discovery of asbestos, this part of APC7 was targeted for further investigation during the DOnGI. A number of the holes dug in this area (TP700/01, TP700/02, TP800/25, TP800/26 and TP800/27; refer to Figure 9 for locations) encountered made ground comprising waste materials such as wire, glass, plastic bags, metal and timber. Potential asbestos board/fibre bundles were also observed between 0.95m and 2.0m bgl in these holes.

Potential asbestos-containing materials (ACMs) were observed within made ground at three locations during the 2015 GI: PC7BH01, PC7TP03 and PC7TP04. The materials were observed at depths of between 0.45m and 1.25m bgl and included suspected asbestos board and a ‘mortar’ type material suspected of containing asbestos.

A review of ground investigation information identified that BH850R, PC7BH02, TP700/3 and PC7TP05 do not record any type 1 made ground material or ACM, and therefore it is reasonable to assume that the area of fill is limited to the relatively confined area northwest of these holes (refer to Figure 11).

4.1.3 APC9

Two trial pits were excavated in APC9 during the PSI, TP315 and TP316, with type 3 and 4 made ground present within both. Type 3 made ground was encountered at depths up to 2.3m bgl, with thicknesses ranging from 0.7 to 2.18m. In TP315, black staining was noted on gravel within the made ground, and wire was recorded at 1.2m bgl indicating the presence of anthropogenic material in or near the hole. Type 4 made ground was recorded up to 0.12m bgl.

During the IOnGI, five trial pits were excavated within the western part of the APC. Type 2 made ground was recorded in two of these holes, TP576 and TP579, to a maximum depth of 2.3m bgl at thicknesses of 0.1m to 2.1m. This included re-worked natural material with brick fragments, corrugated metal, a brick wall (in TP576), rebar and concrete. Reinforced concrete was encountered in TP579 at 2.3m bgl. Type 3 made ground was encountered in TP580 with gravel and cobbles between 0.1m and 2.2m bgl.

During the DOnGI, a number of boreholes were excavated along the alignment of the proposed cooling water outfall tunnels for geotechnical purposes, and two trial pits (TP800/02 and TP800/16) were excavated for geo-environmental purposes. These trial pits encountered made ground type 2 and 3 overlain by made ground type 4. The type 2 made ground found in TP800/16 was found at up to 3m bgl and included plastic. Type 3 was found in TP800/02 at depths of up to 0.9m bgl. Type 4 made ground (topsoil) was found to overlie the type 2/type 3 made ground in both trial pits at depths of up to 0.2m bgl.

Type 2, 3 and 4 made ground were also found in boreholes excavated during the DOnGI. Type 2 made ground was encountered in BH856, BH858 and BH860 at up to 1.3m bgl with a maximum thickness of 1.3m. Ceramic, brick, plastic, plastic bags, charcoal fragments, wood, wire and metal bar were all found in this material. Type 3 made ground was recorded at a maximum depth of 3m bgl with a thickness range of 0.1m to 2.2m. Type 4 made ground was recorded at thicknesses of 0.07m to 0.95m.

Five trial pits were excavated in APC9 during the 2015 GI; however, made ground was only encountered at a single location (PC9TP05) to a depth of 2.6m bgl. The material was found to comprise type 2 and 3 made ground overlain by type 4. Type 2 was found between 0.2m and 0.8m bgl and included corroded iron/steel and tarmac, whilst type 3 was found below this to a depth of 1.8m bgl and included a concrete slab at a depth of 1.5m bgl. Suspected ACMs were also encountered in BH745R between 0.25m and 1.5m bgl and TP800/23 at 1m and 1.2m bgl.

Refer to Figures 7 – 10 for exploratory hole location plans and Figures 11 – 15 for distribution of made ground by type across APC9. For details of hydrocarbon contamination encountered in groundwater in APC9, refer to Section 4.4.4.

4.1.4 APC10

Two trial pits were excavated in APC10 during the PSI, neither of which recorded made ground. However, boreholes BH305AR and BH305R excavated during the PSI both recorded type 3 made ground between 0.15m and 0.45m overlain by type 4 made ground to 0.15m bgl.

A further three trial pits were excavated during the IOnGI, with type 3 made ground recorded in TP571 and TP573 between 0.1m and 4.0m bgl. Three boreholes encountered made ground, BH512, BH512R and BH607R, between 0m and 0.3m, and all recorded ‘ballast’ (type 2 made ground).

During the DOnGI, one trial pit (TP700/27) recorded made ground type 2 due to the presence of a geotextile membrane at 0m – 0.4m. Two boreholes contained type 3 and 4 made ground (BH925 and BH925R) with BH829 containing type 3 made ground only. The encountered made ground was recorded to a maximum depth of 1.3m bgl with thickness ranging between 0.1m and 1.2m. Asbestos was observed in TP700/27 at 0.3m bgl, where a geotextile membrane and loose fibres were recorded.

The 2015 GI recorded type 3 made ground at XTP076 to a depth of 1.1m bgl and at a thickness range of 0.25m to 0.6m. However, a water pipe was encountered at 1.1m, preventing further advancement of the trial pit.

Refer to Figures 7 to 10 for exploratory hole location plans and Figures 11 – 15 for distribution of made ground by type across APC10.

4.1.5 APC11

Two trial pits were excavated in this area during the PSI, TP317 and TP318, both of which recorded type 3 made ground to a maximum depth of 2.7m bgl, with type 4 made ground overlying the type 3 material in both holes to a maximum thickness of 0.35m.

During the IOnGI two further trial pits, TP574 and TP575, were excavated within the area which recorded type 3 made ground to a maximum depth of 1.0m bgl at thicknesses of between 0.3m and 0.6m. One borehole, BH529R, recorded type 4 made ground to 0.3m bgl, although this was not underlain by any made ground and no anthropogenic inclusions were noted on the log.

A number of geotechnical boreholes and three geo-environmental trial pits were excavated in this area during the DOnGI. Made ground type 2 was encountered in two locations: TP800/19 adjacent to the former Wylfa Visitors Centre and BH877R southwest of the Existing Power Station. Slag, brick, porcelain and wood were encountered to a depth of 2.8m and thickness range of 0.4m – 2.1m. Type 3 made ground was found in three locations, BH874RA, BH878R and TP800/19, to a maximum depth of 0.7m bgl and with a thickness range of 0.3m – 0.55m. Type 4 was found in BH874RA and BH875R down to 1.2m bgl.

Three hand-dug pits were excavated within the mounded area of the APC during the 2015 GI. Made ground type 2 was encountered at PC11HP03, PC11HP03A and PC11HP04 with brick, concrete, plastic, porcelain and glass found at up to 0.45m and at a thickness range of 0.2m – 0.25m. Type 3, found at PC11HP03 and PC11HP04, was recorded between 0.0m and 0.3m bgl. However, it is noted that the base of the made ground was not proven within all the hand excavations due to the presence of cobble and/or boulder obstructions.

Refer to Figures 7 – 10 for exploratory hole location plans and Figures 11 – 15 for distribution of made ground by type across APC11.

4.1.6 APC12

Two trial pits excavated during the DOnGI (TP800/17 and TP800/18), located at the northern extent of the APC, identified the presence of made ground type 2. Brick, plastic, concrete, pipe, metal and wire were recorded to the full depth of both trial pits, 3.0m in TP800/17 and 2.5m in TP800/18, with the thickness ranging from 0.9m to 2.9m. Potential made ground type 3 was also recorded in TP800/18 between 1.2m and 2.5m bgl and type 4 was present in both TP800/17 and TP800/18. Possible ACM was observed in TP800/17 at 2.0m bgl.

Several boreholes excavated across the area during the DOnGI identified the presence of made ground type 2 with brick, concrete and an old shoe noted at up to 4m bgl with thicknesses ranging between 0.29m and 4m. Type 3 made ground was recorded at up to 6.4m bgl with the thickness varying from 0.1m to 4m. Type 4 made ground was recorded overlying other made ground to a maximum depth of 0.5m.

Two hand-dug pits (incorrectly labelled PC11) were excavated in the nature trail part of the APC during the 2015 GI, which encountered made ground type 2 (with brick and steel wire) to 0.3m in PC11HP01 and to 0.65m bgl in PC11HP02 with the thickness between 0.1m and 0.45m. Made ground type 3 was also found in both pits between 0m and 0.2m.

Refer to Figures 7 – 10 for exploratory hole location plans and Figures 11 – 15 for distribution of made ground by type across APC12.

4.1.7 APC15

Three rotary boreholes were excavated in APC15 during the DOnGI with only BH970R recording the presence of made ground type 3 from 0.0m to 2.9m bgl.

Two trial pits were excavated within this area during the 2015 GI, with PC15TP01 encountering type 3 and 4 made ground. The type 3 made ground was recorded to 2.2m bgl with a thickness of 1.95m, whilst the type 4 was encountered above other made ground to depths of 0.25m bgl.

Refer to Figures 7 to 10 for exploratory hole location plans and Figures 11 to 15 for distribution of made ground by type across APC15.

4.1.8 APC17

The IOnGI Geotechnical Interpretative Report (Halcrow, 2012b) noted that during a site walkover an area of made ground to the east of the former Tai Hirion farm buildings was observed which contained waste material including plastic and rubber.

No holes were excavated in this area during the PSI or IOnGI; however, this area was specifically targeted during the DOnGI. TP700/23 recorded made ground type 2 from 0.0m to 0.4m bgl with glass, metal and plastic recorded. TP700/23A, on the eastern border of the APC, was excavated within a mound of 'waste' materials and recorded made ground type 1 from ground level (top of mound) to 1.2m (base of the hole/mound). Concrete, plastic, corrugated iron, wood, plastic and suspected asbestos containing cement (at 0.3m bgl) were observed in TP700/23A.

One trial pit (PC17TP01) was located in this area upon a mound of material. Made ground type 2 was recorded through the thickness of the mound, extending to a depth of 2.11m bgl (from top of mound) and comprising wood, plastic, mortar and brick.

Refer to Figures 7 to 10 for exploratory hole location plans and Figures 11 to 15 for distribution of made ground by type across APC17.

4.1.9 APC18

One borehole (BH304R) excavated during the PSI encountered type 4 made ground up to a depth of 0.3m bgl with rare brick and ceramic fragments, although made ground was not recorded beneath this layer.

Two boreholes excavated during the IOnGI encountered made ground. In BH501, made ground type 3 was found to be present between 0.45m and 0.6m bgl, whilst in BH501R, made ground types 2, 3 and 4 were recorded. Type 2 was 0.15m thick, recorded to 0.3m bgl and included brick, type 3 was noted as possible made ground between 0.3m and 0.6m, and type 4 was found to a depth of 0.15m bgl overlying other made ground types.

During the DOnGI, a number of boreholes excavated for geotechnical purposes encountered areas of made ground associated with former farm houses and farm buildings within this area. Made ground was typically type 2 and 3, but type 1 made ground was recorded in three locations, namely BH741, BH759 and BH763. The type 1 made ground consisted of concrete, bricks, plastic bags, wood, metal, slag, breeze-blocks and rubber tubing, and was recorded to a maximum depth of 0.95m bgl and to a maximum thickness of 0.95m.

Type 2 made ground was recorded at a number of locations to a maximum depth of 5.0m bgl with thickness ranging from 0.05m – 4.25m. Concrete and brick were frequently encountered, but other materials such as asphalt and glass were also recorded. Type 3 made ground was recorded up to 2.0m bgl with the thickness ranging from 0.05m to 1.6m, whilst type 4 was comparatively less frequently occurring and was recorded to a depth of 0.4m bgl. A slight chemical odour was noted in made ground between 0.3m and 1.2m bgl at TP700/48, which is located within the former depot on Cemlyn Road.

A number of additional trial pits carried out in the areas of the former farm buildings to the north and south of Cemlyn Road (XTP087, XTP087A, XTP091 and XTP098) also indicated the presence of made ground, albeit to relatively shallow depths (maximum of 0.6m at XTP098). The trial pits indicated the presence of type 2 and type 4 made ground. The thickness range of the type 2 made ground was 0.05m – 0.5m and the type 4 was found to a depth of 0.1m. Gravel-sized materials such as brick, porcelain, plastic, polystyrene and roof tile were found in the type 2 made ground. Potential ACMs were encountered at a depth of 0.2m bgl within XTP087A.

Refer to Figures 7 to 10 for exploratory hole location plans and Figures 11 to 15 for distribution of made ground by type across APC18.

4.1.10 Areas Outside APCs

Due to the rural nature of the site, geo-environmental investigation and chemical testing of soils has been primarily targeted at APCs, with only limited investigation targeted at other parts of the site. However, although

they did not typically include chemical testing, the significant number of geotechnical holes excavated during the DOnGI has provided information on ground conditions across a large part of the proposed Power Station Site.

The available information indicates that a significant proportion of the made ground encountered outside of the APCs comprises reworked natural material with no anthropogenically derived materials. The exception to this is the former Wylfa Sports and Social Club fields, which is discussed separately below.

Figure 15 presents an interpolation plan of the worst case made ground by type encountered across the study area. This highlights the relatively limited extent of made ground across the majority of the study area outside of the identified APCs and former Wylfa Sports and Social Club area. There were 12 locations identified with made ground type 2 and a number with type 3 and 4, but considering the number of locations at which made ground was not recorded outside of the APCs, the incidence of made ground outside of the APCs can be considered to be limited.

4.1.10.1 Former Wylfa Sports and Social Club Area

The former Wylfa Sports and Social Club area comprises grassed fields surrounded by a number of small wooded areas, with the clubhouse located to the southeast of the playing fields. A clay pigeon shooting area is present adjacent to one of the wooded areas (refer to Figure 5 for location).

PSI borehole BH306R, which is located approximately 4m south of APC15, recorded made ground consisting of type 3 to 1.3m bgl, overlain by made ground type 4 to 0.1m. The boreholes and observation trenches excavated during the IOnGI recorded made ground type 2 at one location, BH516R, from 0.3m to 0.8m bgl, with the presence of brick noted. Five locations identified made ground/possible made ground type 3 (BH514, BH514R, BH516, BH516A and BH516R) up to 3m bgl with a thickness range of 0.4m to 2.7m. Type 4 made ground was found to a depth of 0.5m bgl.

Similar results were obtained from the DOnGI, where made ground containing anthropogenic materials were again encountered within the former Wylfa Sports and Social Club fields. Type 2 made ground was found at six locations (BH881R, BH884R, BH886R, BH887R, TP700/16 and TP700/22) up to a depth of 1.2m bgl, with thickness ranging from 0.2m to 0.9m. A variety of anthropogenic materials were encountered, including metal, concrete, brick, glass, coal, mortar and plastic. Type 3 made ground was also recorded in a number of locations to a maximum depth of 3m and a thickness range of 0.1m to 2.5m. Made ground type 4 was commonly encountered and was present to a depth of 3.9m, although with a thickness range from 0.1m to 0.9m. Asbestos was encountered in TP700/16 (loose fibres and tile) and TP700/22 (loose insulation and board) at 0.3m and 0.4m bgl respectively.

The 2015 GI included a number of trial pits within or immediately surrounding the former Wylfa Sports and Social Club fields. Made ground was encountered at locations XTP069, XTP069A, XTP069B, XTP071 and XTP105. Type 1 made ground was encountered at XTP105 (between 0.2m to 1.8m bgl) with corroded lead piping, cables, plastic, wood, glass and bottle fragments recorded at this location. Type 2 made ground, comprising materials such as clay tiles, plastic brick, rusted iron/steel and corroded lead, was recorded at XTP069A, XTP069B and XTP071 up to a 1.1m depth, with the thickness between 0.15m and 0.8m. Made ground type 3 was encountered at XTP069 and XTP069A to 3.4m bgl with the thickness at 3.1m and 0.1m respectively. Finally, made ground type 4 was found to a depth of 0.3m bgl.

4.1.11 Oil-filled Cable Leak

In January 2016, Scottish Power Energy Networks (SPEN), who maintains a number of electrical cables across the study area, reported that an oil-filled cable had been found to have been leaking. The area of leak was located adjacent to Porth-y-pistyll. SPEN took steps to prevent further discharge including excavation of a trench and placement of booms and absorbent spill mats to contain the oil. The trench excavated encountered a significant volume of oil floating on groundwater.

Investigation was undertaken by SPEN and the oil was determined to be T3788 Cable Fluid, which is a synthetic biodegradable fluid that, based on its density and solubility in water, forms a light non-aqueous phase liquid (LNAPL). The investigation and remediation of the oil spill, which was overseen and managed by SPEN (and not Horizon), is now complete and has been reported separately.

4.2 Superficial Deposits

Ground investigations have confirmed that the superficial deposits across the study area primarily comprise glacial till, which predominantly consists of sandy gravelly clay. A number of different types of till have been identified on-site, relating to the specific regional glacial processes that have been discussed as part of the published superficial geology. The superficial deposits have been categorised into seven main units (A – G) as classified following numerous phases of ground investigations and interpretative reporting (Allott and Lomax, 1988; Harris, 1991; Halcrow, 2012b; Atkins, 2017). The classifications have been based on grain size, internal structure, provenance and colour, as detailed in Table 4.2 below.

Table 4.2 : Summary of superficial deposits (as interpreted by Atkins, 2017)

Unit	Lithology	Colour	Matrix	Clasts
Unit G	Solifluction deposits	Light cream brown	Sandy clay	Psammite
Unit F F1 F2 F3	Lacustrine and alluvial deposits (Tre'r Gof SSSI)	Grey/brown Brown/grey Wide range of colours	Sandy clay Clay/silt Sandy gravel	Phyllite and psammite Wide range of lithologies Wide range of lithologies
Unit E	Loess	Orange/brown	Sand/sandy silt	Wide range of lithologies
Unit D	Irish Sea melt out till	Brown	Clayey/silty sand	Wide range of lithologies
Unit C	Irish Sea lodgement till (matrix supported)	Orange/brown	Sandy clay	Wide range of lithologies
Unit Binf	Local infill deposits (matrix supported)	Grey/brown/yellow	Sandy clay	Psammite, phyllite, dolerite
Unit B1	Locally derived lodgement till (matrix supported)	Brown or mottled orange/red brown	Sandy clay	Psammite, phyllite, dolerite
Unit B	Locally derived lodgement till (clast supported)	Brown or mottled orange/red brown	Sandy clay	Psammite, phyllite, dolerite
Unit A	Locally derived coarse basal till (clast supported)	Brown/grey	Sand, silt and clay	Psammite, phyllite, dolerite

Previous investigations have confirmed that the Power Station Site is underlain by basal till (Unit A) and lodgement till (Unit B). The lodgement till has been reported as typically 0.5m to 2.5m thick and consists of rare sand pockets and possible melt out strata.

Thick successions of Irish Sea lodgement till (Unit C) and melt out till (Unit D) make up the drumlin features located to the south and east of the Power Station Site. Where drumlins are present, the thickness of superficial deposits has been recorded up to approximately 35m. Where drumlins are absent, superficial deposits have generally been found to be less than 5m thick, although where there are depressions in the bedrock, the thickness of superficial deposits increases to between 10m and 15m.

The area of the Tre'r Gof SSSI is underlain by a complex succession of lacustrine and alluvial deposits (Unit F) which are overlain by organic rich, peat and alluvial sediments. The deposition of aeolian silts and sands (Unit E) and solifluction clays (Unit G) typically occurs at the base of the slopes surrounding the SSSI.

Detailed descriptions and cross sections of the superficial geology encountered at the site are presented within the IOnGI Geotechnical Interpretative Report (Halcrow, 2012b) and DOnGI Interpretative Report (Atkins, 2017). Reference should be made to these reports for further information.

4.3 Bedrock Geology

Previous site investigations have indicated that the majority of the study area is underlain by rocks of the New Harbour Group, comprising phyllite, psammite and metaconglomerates.

The New Harbour Group has been subject to significant folding and faulting, and considerable lateral and vertical variability in the composition of the bedrock has been reported. During the DOnGI, the foliation within the New Harbour Group was found to dip between 15° and 45° to the northeast. Complex mineral veining with multiple orientations was encountered, comprising of chlorite, calcite and quartz, which was found to be associated with intrusions and faults. Veins of phyllite were found to follow the foliation orientation within the bedrock (Atkins, 2017).

During the DOnGI, the Gwna Group was encountered towards the northeast of the study area. The Gwna Group was found to comprise chaotic, randomly orientated clasts of breccias, quartzite, phyllite, psammite, granites, basalt, limestone and schist in a fine-grained schistose matrix. Clast size was found to vary from millimetre scale to large rafts more than 100m across (Atkins, 2017).

Rockhead elevation across the Wylfa Newydd Development Area varies from 0m AOD to 20m AOD, with the majority of rockhead elevation between 5m AOD and 15m AOD. Rockhead is typically lower towards the coast and increases in elevation inland, with localised depressions associated with glacial erosion. Furthermore, there is not a typical bedrock weathering profile where weathering decreases with depth below the rockhead. Instead, there are isolated locations where weathered rock occurs at different depths, the locations of which typically surround faults (Atkins, 2017).

Detailed descriptions of the bedrock geology encountered at the site are presented within the IOnGI Geotechnical Interpretative Report (Halcrow, 2012b) and DOnGI Final Interpretative Ground Investigation Report (Atkins, 2017). Reference should be made to these reports for further information.

4.4 Groundwater Conditions Encountered

4.4.1 Made Ground/Perched Water

Based upon a review of the existing ground investigation information, groundwater was not generally encountered within the made ground. A groundwater strike was recorded within made ground at TP700/3 at a depth of 1.0m, rising to a depth of 0.95m.

4.4.2 Superficial Deposits

Groundwater strikes were recorded between 3.0m to 18.0m bgl within the superficial deposits during the DOnGI, with corresponding topographical levels between 10.0m AOD and 35.0m AOD. The highest groundwater levels in the superficial deposits have been recorded in the centre of the Wylfa Newydd Development Area, to the north of one of the drumlins at 25.0m to 32.0m AOD, reducing to 10.0m to 15.0m AOD in the northern part of the site close to the Existing Power Station outfall tunnels.

Within the drumlins, groundwater levels are approximately 7.0m to 8.0m bgl, although strikes have been recorded nearer the ground surface in some boreholes. These water strikes are considered likely to be perched water tables within more permeable parts of the glacial till deposits.

Based upon groundwater contour plotting, it is considered likely that groundwater within the superficial deposits generally discharges into Tre'r Gof, and horizontal hydraulic gradients around Tre'r Gof in both bedrock and superficial deposits are relatively steep, reflecting the local topography.

4.4.3 Bedrock Geology

Detailed information on the hydrogeological conditions in the study area is presented in the Jacobs Wylfa Newydd Development Area Hydrogeology Baseline (Jacobs, 2015) – a summary is presented below.

In general terms, the recorded groundwater levels indicate that groundwater flow within the bedrock is consistent with the site topography. The highest groundwater levels are recorded to the south of the Wylfa Newydd Development Area at around 22.0m AOD, with groundwater levels towards the coast being at around 1.0m AOD.

Groundwater contour plotting indicates an inferred groundwater divide trending from the southwest towards the northeast under a slight topographic ridge which passes beneath Tregele village. Groundwater west of the divide flows northwest across the Wylfa Newydd Development Area towards Porth-y-pistyll, whilst groundwater east of the divide flows towards Porth y Wylfa (and Tre'r Gof). A further divide is present to the east close to the line of the surface water catchment.

With respect to the Tre'r Gof SSSI, groundwater contour plots indicate the hydraulic gradient in the bedrock reduces around Tre'r Gof but may increase at the edges. This is likely to be the effect of the groundwater in the steeply dipping bedrock surface at the Tre'r Gof basin meeting the lower permeability deposits (silts and clays) which infill the basin. Groundwater levels continue to decline north of Tre'r Gof towards the coast suggesting that groundwater in the bedrock is flowing beneath and around the SSSI and discharging to the sea. This indicates that much of the flow within the bedrock likely passes underneath and bypasses Tre'r Gof rather than discharging directly into the wetland. A small element of up flow may be likely from the bedrock.

Based on the groundwater levels and stream elevations, it does appear that the streams and groundwater are in hydraulic connection, with groundwater discharging to the surface water features. However, further assessment of this is required once the stream survey data have been fully analysed. In a small number of boreholes, artesian conditions have been encountered, which indicate a degree of confinement in these locations.

Comparison of groundwater levels in IOnGI boreholes completed as pairs in the superficial and bedrock deposits show the water levels to be broadly the same, suggesting hydraulic continuity between the two bodies. In some cases, the groundwater levels in the bedrock are a little higher than in the superficial deposits or vice versa. However, in a small number of cases, particularly on the higher ground of the drumlins, the groundwater levels in the superficial deposits are significantly higher (in the order of 10.0m to 14.0m). This implies local perching of the groundwater in lower permeability deposits within the drumlins.

Seasonal minimum groundwater levels occur around July to August and maximum levels occur around December to January, although actual peak and low water levels will depend on the rainfall pattern over the seasons. Annual fluctuations in the boreholes are typically 1.0m to 2.0m with the variations in both bedrock and superficial deposits showing a similar trend.

4.4.4 Hydrocarbon Contamination at SMBH14 and BH858

During the PSI, free-phase hydrocarbon (i.e. free product) was identified in a re-commissioned pre-PSI borehole, SMBH14, to the northeast of the Existing Power Station (within APC9). Monitoring as part of the PSI identified elevated manganese, mercury (later determined to be due to laboratory analytical error as a result of interference with tungsten), phthalates and hydrocarbons.

Monitoring during the IOnGI did not record free product (although a sheen was recorded on purged water), and groundwater samples had elevated total petroleum hydrocarbons (TPH) and polycyclic aromatic hydrocarbons (PAH) concentrations.

As part of the DOnGI, three new groundwater monitoring wells (BH856, BH857, BH858) were installed around SMBH14 as part of the investigation of the proposed route of the new cooling water outfalls, and additional monitoring was undertaken at SMBH14 and pre-PSI boreholes BH16, BH17, BH20, BH21, RN1A.

No hydrocarbons or phthalates were recorded in SMBH14 or the newly installed boreholes and the nearby historical wells, with the exception of BH858, which recorded hydrocarbons within the groundwater. It should be noted however, that monitoring well response zone design within all wells except BH858 may not be suitable to assess presence of LNAPLs, given they are screened at a depth below the water table.

Further discussion of hydrocarbon concentrations in groundwater is presented in Section 6.3.3.

5. Preliminary Conceptual Site Model

5.1 Introduction

The process of contamination risk assessment is defined within CLR11 (Environment Agency and Defra, 2004). A summary of the approach, which has been adopted within this report, is outlined below.

- Hazard identification, which involves establishing contaminant sources and hazard assessment, by establishing pathways (a route or means by which a receptor can be exposed to, or affected by, a contaminant) and receptors, and identifying potential pollutant linkages (PPLs). Both hazard identification and assessment stages conclude in the development of a CSM.
- Risk estimation, which predicts the likelihood of harm or pollution occurring (probability assessment) and the degree of harm or pollution occurring (consequence assessment). Risk estimation is only undertaken when a PPL exists. Risk estimation has two components:
    - probability assessment, which relates to whether pollution/harm could occur in the short and/or long term; and
    - consequence assessment, which relates to the magnitude of harm that could occur because of the PPL, that is, the degree of harm or pollution considering the sensitivity of the receptor.
- Risk evaluation, which is the process of deciding whether a risk is acceptable or not, entails the application of evaluation criteria, which may be absolute standards or recommended limit values, for example a health criterion for the intake of a substance.

The section below addresses hazard identification and presents a preliminary CSM. An updated CSM, with risk estimation and evaluation is presented within Section 6.

5.2 Revisions to the Wylfa Newydd Development Area

The original boundary of the Wylfa Newydd Development Area (as reported in revisions 1-4 of this report) did not include any part of the Existing Power Station site. However, following revisions to the boundary as a result of design changes, the Wylfa Newydd Development Area now includes parts of the Existing Power Station site.

A review of available information has indicated that the part of the Existing Power Station now located within the Wylfa Newydd Development Area should be split into two separate parts: ‘Magnox Car Park’ and ‘Existing Power Station’.

5.2.1 Identification of APC7a (Magnox Car Park)

The area of the Existing Power Station site located immediately to the northeast of the western end of APC7 is currently occupied by a car park. A review of aerial photography from 1968, 1971 and 1972 (Halcrow, 2012c) shows that the construction compound and storage area that was present within APC7 also extended across into the Magnox Car Park area (refer to Table 2.1 for details). No ground investigation data are available for the Magnox Car Park, but it is considered possible that similar ground conditions are present within this area to those encountered at the western extent of APC7. As such, the Magnox Car Park area has been identified as ACP7a; refer to Figure 6 for its location and extent.

5.2.2 Identification of APC20 (Existing Power Station)

The remaining part of the Existing Power Station site now located within the Wylfa Newydd Development Area is currently occupied by car parks, offices and access roads, as well as electricity transformers for the 400kV switch house. Historical mapping and aerial photography shows the land use to have remained relatively consistent since the Existing Power Station was first shown in 1968, with the occasional addition and removal of buildings/structures. In addition, APC20 incorporates two former APCs: APC4 and APC13 [RD18]. APC4 was identified due to evidence of a transformer oil spill, thought to have originated from a waste oil trailer in 2002. APC13 was defined due to the presence of two 1,000-gallon underground storage tanks, although there have been no known releases from these. Aerial imagery from 1968 to 1972 also shows an area to the south of the

400kV switch house to have potentially been excavated and later infilled during construction of the Existing Power Station.

No information on ground conditions is available for this area, but it is considered likely that made ground is present associated with the construction of the Existing Power Station, there is also the potential for contaminants associated with the former oil spill in APC4 and underground storage tanks in APC13 to be present. This area has therefore been designated as APC20. The boundary of APC20 is shown on Figure 6.

5.3 Identification of APC19 (Wylfa Sports and Social Club)

During the ground investigations completed to date, the majority of the APCs identified within Section 2.10 have been investigated along with the area of the proposed Power Station Site.

Areas of made ground/contamination have primarily correlated with identified APCs; however, in the case of the former Wylfa Sports and Social Club area, the combined results of the various phases of GI indicate that this area also includes significant amounts of made ground, ranging from type 1 to type 4 (refer to Figures 11 to 14 for location and Section 4.1.10.1 for details). It is therefore considered appropriate to identify this area as an APC (APC19) for the purposes of this assessment going forwards. Figure 6 presents the boundary of APC19, which includes the former Wylfa Sports and Social Club fields and buildings.

5.4 Sources of Contamination

Details of the sources of the primary contamination encountered within each APC, and identification of other potential sources of contamination which may be present across the study area, are presented in Table 5.1.

Table 5.1 : Sources of contamination

Area	Identified point source(s)	General source
APC6	Potential for railway ballast and hydrocarbon contamination	Potential made ground across remainder of APC
APC7	TCE sump/valve chamber area Hydrocarbon contamination visually identified at OT613 and odour at PC7TP08 Area of waste material containing asbestos	Made ground across remainder of APC
APC7a	Potential area of waste material similar to that encountered in APC7	Potential made ground across remainder of APC
APC9	Hydrocarbons in groundwater at SMBH14 and BH858	Made ground across remainder of APC
APC10, ACP12, APC19	Localised asbestos contamination (refer to Figure 16 for locations of positive asbestos results) Potential for lead shot within APC19 (clay pigeon shooting)	Made ground across remainder of APCs
APC11, APC15, APC18	N/A	Made ground across APC
APC16	Potential hydrocarbon contamination migrating on-site from the petrol station at Tregele	N/A
APC17	Area of waste material at surface, including asbestos	N/A

Area	Identified point source(s)	General source
APC20	Potential hydrocarbon contamination from historical oil spill, or storage tanks	Potential contamination and made ground from construction and operation of Existing Power Station
Existing Power Station	N/A	Contamination resulting from operation of Existing Power Station, e.g. lubricating oils
Remainder of site	Sheep dips, cess pits, etc. associated with former agricultural activities*	

* Refer to Figure 5 for sheep dips and cess pits identified to date.

5.5 Receptors of Contamination

Relevant receptors for both current and future site use (i.e. before, during and after construction works) have been identified. The key receptors located within the study area and their nature, typical activity and exposure routes are described in the tables below.

5.5.1 Human Health

The human health receptors relevant to the study area are described in Table 5.2.

Table 5.2 : Human health receptors

Receptor	Typical activity
Current site users	Users of Public Rights of Way within the study area, workers in study area. Moderate likelihood of contact with site soils.
Construction workers	All activities related to the construction works in the study area. High likelihood of contact with site soils and groundwater.
Future site workers	Workers at the future Power Station Site undertaking activities associated with the operation and maintenance of the site. Moderate likelihood of contact with site soils (assumes maintenance workers repairing buried services, etc.). The nature trail around Dame Sylvia Crowe's Mound may remain in use following construction, and therefore there is the potential for site visitors to be present within this area after construction works.
Future agricultural workers	Farmers managing grazing stock on the future landscaped parts of the study area. Moderate likelihood of contact with site soils.
Nearby residents (current and future)	Residents of houses within the 250m buffer around the study area. Low likelihood of contact with site soils, but may be affected by wind-blown dust/contaminants.
Adjacent land users (current and future)	Primarily agricultural land use. Low likelihood of contact with site soils, but may be affected by wind-blown dust/contaminants.

5.5.2 Crops/Livestock

The study area is predominantly surrounded by agricultural land, primarily pasture land but also more limited areas of arable land. Key receptors include those in Table 5.3.

Table 5.3 : Crops and livestock receptors

Receptor	Typical activity
Domesticated animals	Typically cattle/sheep (current and future). Likely to come into contact with site soils and wind-blown dust/contaminants.
Crops	Affected by site soils, wind-blown dust/contaminants (current only – no arable land proposed to remain on-site following development).

5.5.3 Environmental Receptors

The key environmental (built and natural) receptors include those in Table 5.4.

Table 5.4 : Environmental receptors

Receptor	Description
Groundwater	Secondary A aquifer in superficial deposits at Tre'r Gof SSSI. Secondary aquifers in superficial deposits and bedrock
Surface water	Various surface water catchments of which the Tre'r Gof Catchment is the most sensitive in the context of the works. Irish Sea.
Buildings/services	Existing and future buildings/services on or within the study area.

5.6 Pathways of Contamination

In accordance with the Updated Technical Background to the Contaminated Land Exposure Assessment (CLEA) model (Environment Agency, 2009a), the potential pathways by which the on-site contaminants may affect the health of the existing and future human health and animal receptors and the environmental receptors in the study area are as follows.

Human health and animal receptors:

- inhalation of contaminated dust, vapour phase contamination or ground gases;
- ingestion of contaminated soil, dust and groundwater; and
- dermal contact with contaminated soil, dust and groundwater.

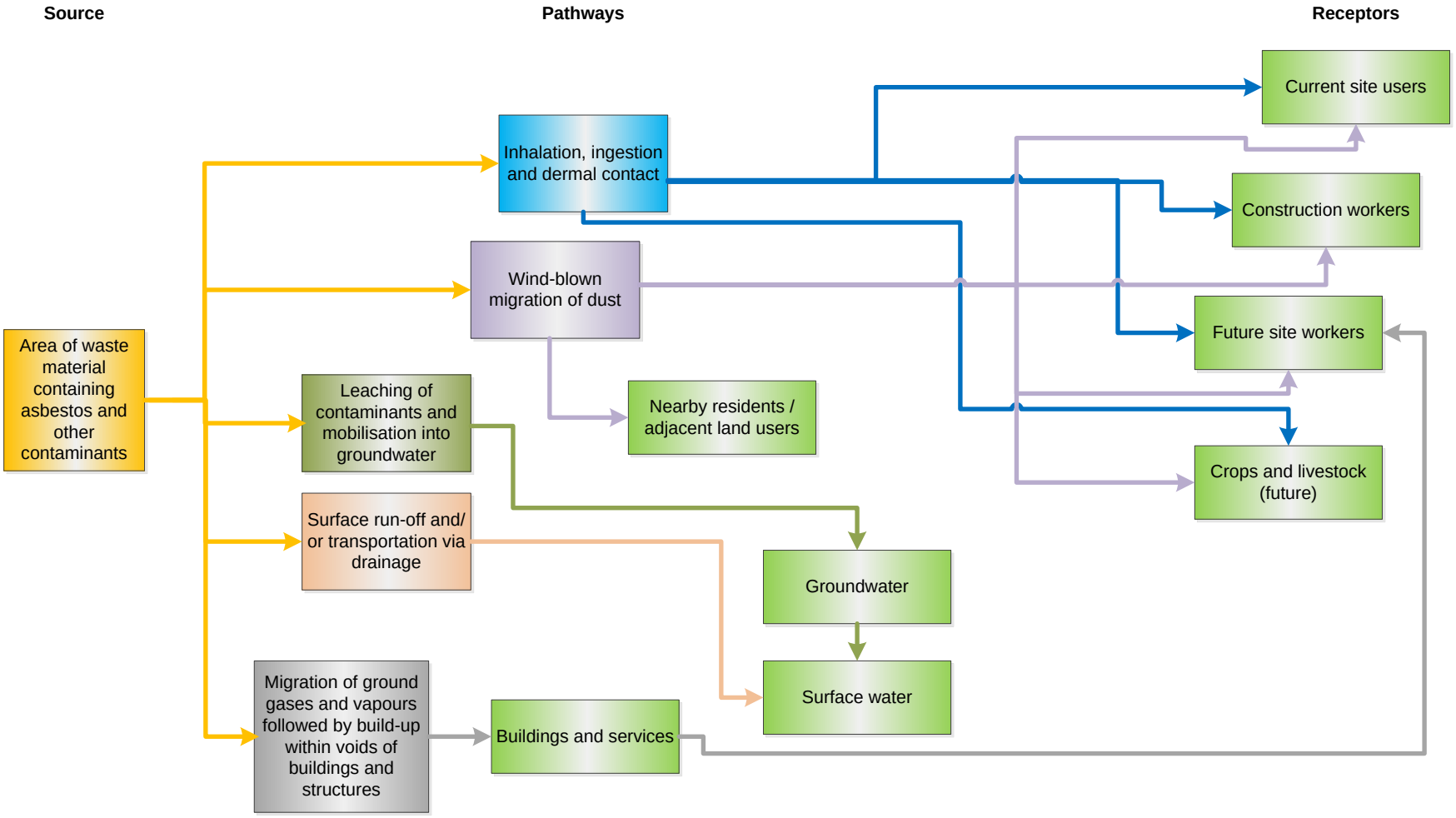
Crops and environmental receptors:

- leaching of contaminants through the unsaturated zone to underlying groundwater;
- migration of leachable contaminants via surface runoff to adjacent water courses/surface water bodies;
- migration of contaminants within groundwater to other water bodies (including other aquifer systems/surface water bodies);
- plant uptake of contaminants via root systems; and
- migration of ground gases and vapours through permeable deposits followed by build-up within voids of buildings and services.

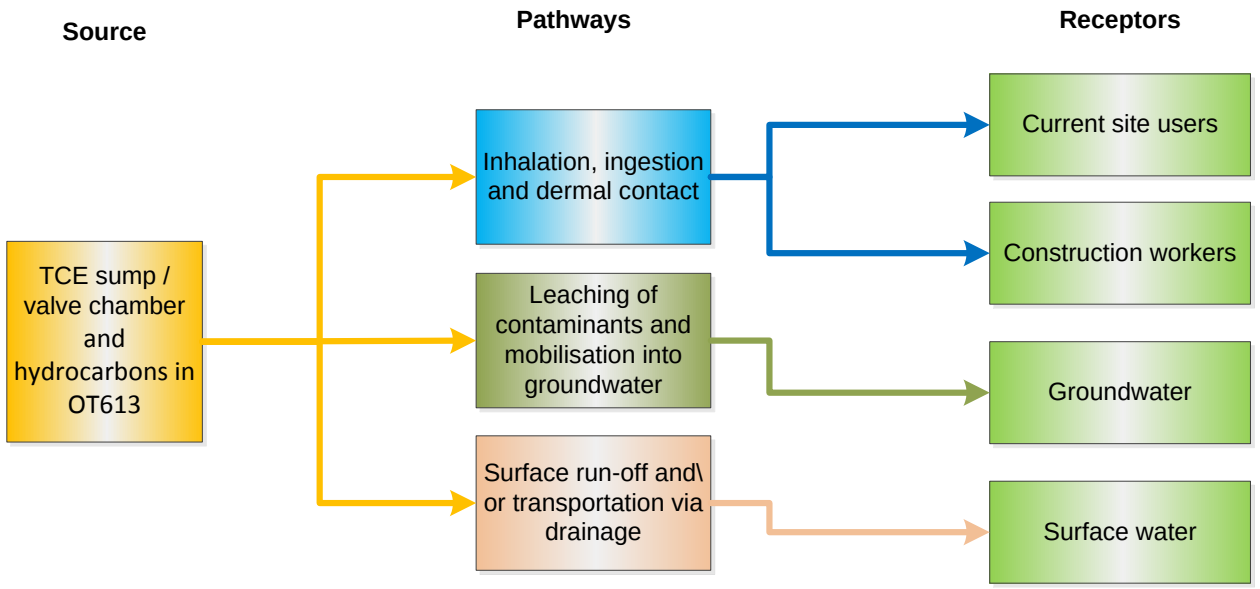
5.7 Preliminary Conceptual Site Model

Based on the sources, receptors and pathways identified above, preliminary CSMs showing the PPL are presented on Flowcharts 1 to 4, below. When considering PPLs relevant to future receptors, consideration has been given to the development proposals and proposed final layout of the Power Station Site and surrounding landscaped mounds. The risk assessment is presented within Section 6 with the updated CSM provided within Appendix C.

Flowchart 1 : Preliminary CSM for APC7 (and potentially APC7a) – area of waste material including asbestos

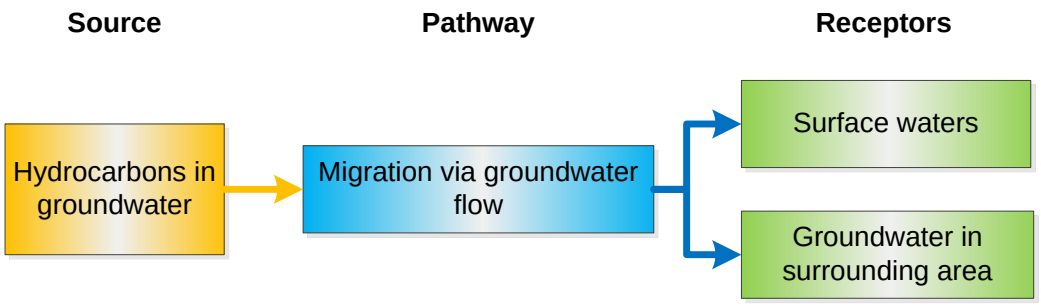


Flowchart 2 : Preliminary CSM for APC7-TCE sump / valve chamber and hydrocarbon impacted soils

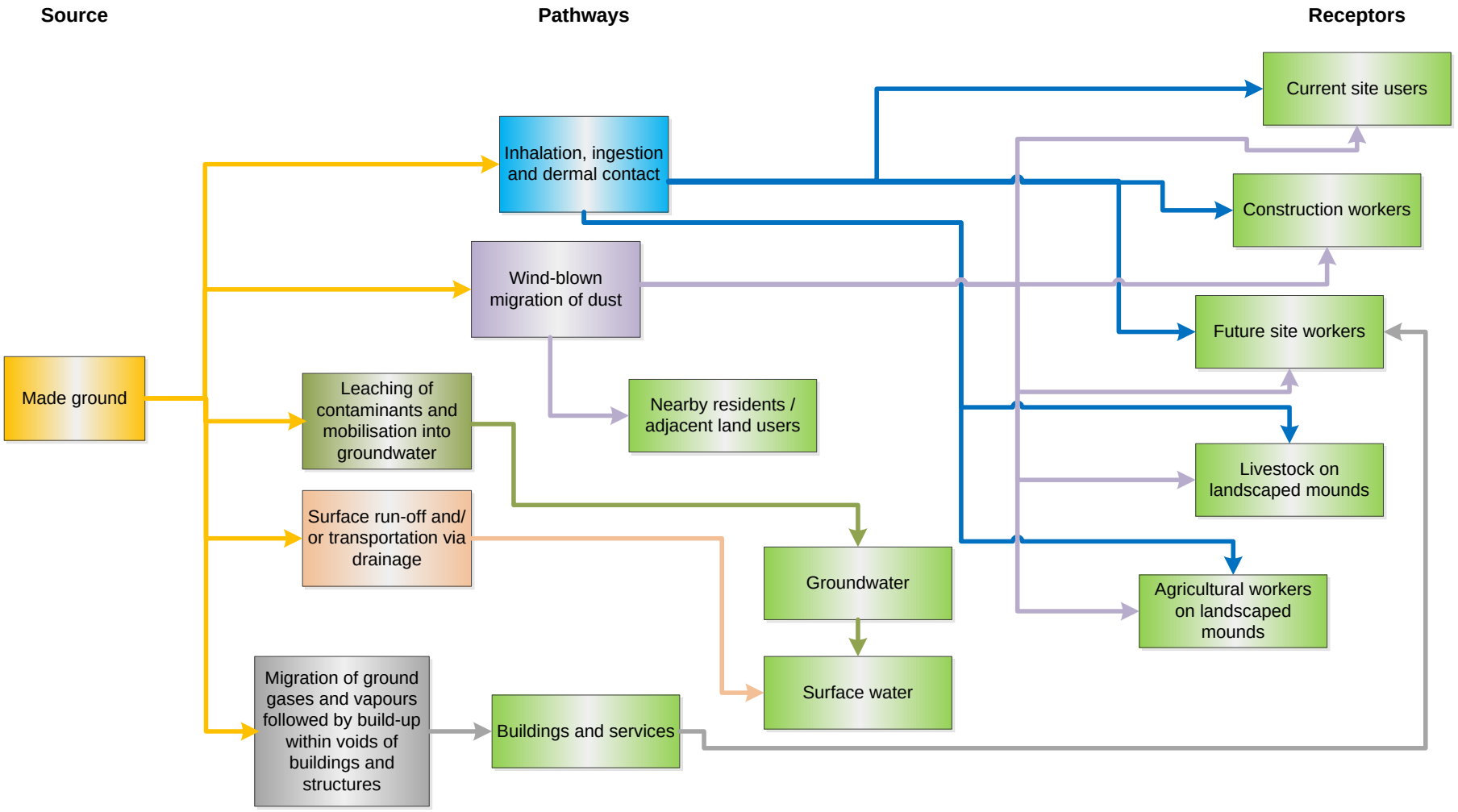


It is assumed that material visually impacted by hydrocarbons and the TCE sump / valve chamber and associated infrastructure would be removed from site as they are unlikely to be suitable for re-use under the MMP

Flowchart 3 : Preliminary CSM for APC9 (hydrocarbons in groundwater)



Flowchart 4 : Preliminary CSM for remainder of site



6. Contamination Assessment

6.1 Introduction

As discussed in Section 5.1, in order to undertake risk estimation and evaluation, further assessment of the identified PPL is provided below. The assessments are discussed separately below with regards risks to human health, risks to the environment (controlled waters), risks to buildings (ground gas) and risks to crops/livestock.

A preliminary waste classification is also provided to give an indication of waste characterisation, should excavated material be required to be disposed of off-site to landfill (which is a worse-case scenario). Additional waste classification may be necessary; however, this would be the responsibility of the contractor. With the exception of risks to crops/livestock (which are assessed qualitatively), the assessments are quantitative and based on either laboratory contamination analysis results (soil, soil leachate and surface water/groundwater) or the results of monitoring data (ground gas). Consideration has been given to potential contamination impacts to the aquifer underlying Tre'r Gof; however, a full assessment of potential impacts to the SSSI from development proposals is beyond the scope of this report. Given that there would be significant earthworks which would result in considerable movement of material to different areas of the study area, the assessments have been undertaken by comparing results directly against conservative guideline values for human health and controlled waters without the use of statistical analysis. This is considered an appropriate approach at this stage.

An updated CSM, identifying unacceptable PPL, is presented within Table 6.18. This identifies the PPL requiring further action and/or remediation based on the outcome of the risk assessment. The full updated CSM, including those PPL, which have been assessed as not requiring remediation, is presented within Appendix C. The risk assessment takes into consideration the proposed activities required for the WNDA Development.

6.2 Human Health Risk Assessment

6.2.1 Assessment Criteria

To aid assessment of the risk to human health from potentially contaminated soils in the study area, the results of the laboratory contamination analysis have been screened against generic assessment criteria (GAC) for both Commercial/Industrial and Public Open Space (park) end uses. These end uses are considered most relevant given the proposed activities and identified PPL as presented within the preliminary CSM (Section 5).

Within the assessment, the open space (park) end use is also considered to be suitably conservative to protect future site users (mainly agricultural workers) of any landscaped areas that are put under agricultural use. To confirm this assumption, the Environment Agency's CLEA model (v1.071) (Environment Agency, 2015b) was used to derive assessment criteria relevant to an agricultural worker based on the following conservative characteristics: a female worker, working on-site for eight hours a day, 365 days a year for 49 years. With the exception of cadmium, all of the assessment criteria for the agricultural worker were found to be greater than the public open space (park) criteria, and therefore the public open space criteria were adopted within the assessment. As detailed below, cadmium concentrations were comfortably below the criteria derived for agricultural workers in all samples. CLEA model outputs are presented in Appendix D.

At the time of writing, there are two sets of GAC publicly available.

- **Category 4 Screening Levels (C4SLs)** which have been published by Defra (2014) for use in the assessment of 'Contaminated Land' under Part 2A of the *Environmental Protection Act 1990*. The statutory guidance (Welsh Government, 2012) includes four categories of contaminated land, ranging from Category 4 (low risk) to Category 1 (significant/high risk). C4SLs are low risk levels which are not representative of significant possibility of significant harm, and as such, if the C4SLs are not exceeded, land can be demonstrated as being in Category 4 and cannot be determined as contaminated land. These guideline values adopted a low level of toxicological concern as the benchmark for toxicological impact.
- **Suitable 4 Use Levels (S4ULs)** which have been published by Land Quality Management Limited (LQM) and the Chartered Institute of Environmental Health (CIEH) (LQM and CIEH, 2015) and are underpinned by a 'minimal or tolerable risk' basis as defined in *Updated technical background to the CLEA model* –

Science Report: SC050021/SR3 (Environment Agency, 2009a) rather than low level of toxicological concern. These values are more conservative (i.e. lower) than C4SLs and were published to replace previously available LQM/CIEH GAC with values based on new modelling assumptions and end uses (public open space near residential housing and public open space parks) introduced during the C4SL project.

There is ongoing debate within the land contamination industry with regards to the adoption of C4SLs under the planning regime (as opposed to determination of 'Contaminated Land' under Part 2A of the Environmental Protection Act, 1990). Some practitioners suggest that C4SLs are not conservative enough, as they represent values which only ensure a site is unable to be determined as 'Contaminated Land', rather prove it 'suitable for use' under planning. In an effort to remove ambiguity, the Department for Communities and Local Government issued a statement in 2014 indicating that C4SLs could be used under planning but noting that responsibility for ensuring a site is 'suitable for use' remains with the developer.

Policy responsibility for the planning policy and associated Planning Practice Guidance in Wales falls to the Welsh Government, which has not yet published any policy guidance to confirm their opinion on this. Accordingly, the laboratory contamination results have been assessed against both C4SLs and S4ULs for the identified end uses.

The presence of soil organic matter (SOM) is important in determining the fate and behaviour of a number of organic contaminants, including PAHs and chlorinated solvents for which increasing SOM results in decreasing mobility as a result of increased soil sorptive capacity. Whilst C4SLs have been calculated based on 6% SOM, S4ULs are available (for relevant determinands) in 1%, 2.5% and 6%, with the 1% values being the most conservative. SOM results are available from the IOnGI and the 2015 GI and show results across the site varied between <0.1% and 24.3% with an average value of less than 2%. Accordingly, where available, 1% SOM S4ULs have been used in the assessment.

6.2.2 Assessment of Laboratory Contamination Analytical Results

As discussed within Section 3.4, the results from the PSI and the 2015 GI are presented separately to the results from the IOnGI and DOnGI, given that the PSI and 2015 GI results were only available at the time of undertaking the assessment in Microsoft Excel format. All contaminant data from the IOnGI and DOnGI were exported from AGS format/gINT and manipulated using Microsoft Excel.

A summary of the number of samples tested per contamination suite is provided below in Table 6.1. Reference should be made to Appendix D for further details – some samples were not tested for all the suites/determinands within a suite. Asbestos testing is discussed separately within Section 6.2.3 below.

Table 6.1 : Number of samples per contamination suite (solid analysis)

Contamination suite	Number of samples tested in PSI	Number of samples tested in IOnGI/DOnGI*	Number of samples tested in 2015 GI
Metals	20	176	76
TPHs	20	177	74
PAHs	6	174	76
Volatile organic compounds (VOC)	6	90	29
Semi-volatile organic compounds (SVOC)	6	61	29

* excluding miscellaneous soil samples, for example 'Wheel Wash' and 'Inert Skip'.

The laboratory contamination analysis results have been assessed against the C4SLs/S4ULs, and the full assessments are included within Appendix D.

With the exception of the results presented below in Table 6.2, none of the samples were found to exceed the relevant guideline values. Refer to Figure 17 for the locations of all GAC exceedances.

Table 6.2 : Exceedances of human health assessment criteria

Sample reference: Location (Depth)	Determinand exceeding guideline value	Concentration recorded	Guideline value(s) exceeded	Comment
TP700/1 (2.0m bgl)	Lead	3,190mg/kg	C4SL Commercial/ Industrial (2,300mg/kg) C4SL Public Open Space 2 (1,300mg/kg)	DOnGI trial pit within area of 'waste material' encountered within APC7 to southwest of Existing Power Station. The log indicates presence of metal, wire, plastic sheeting, fiberglass, whole bricks, asphalt, slag, an old oil filter, ash and plastic tape within the trial pit.
TP800/26 (0.5m bgl)	Lead	1,970mg/kg	C4SL Public Open Space 2 (1,300mg/kg)	DOnGI trial pit also within area of 'waste material' within APC7 to southwest of Existing Power Station. The log indicates presence of wire, glass, plastic, brick, pipe, wood and masonry within the trial pit, including potential asbestos (refer to Section 6.2.3 for further details on asbestos).
OT503A* (0.9m bgl) *West face of observation pit	Benzo(a)anthracene	109mg/kg	S4UL Public Space Park (49mg/kg)	Observation trench excavated during IOnGI around the sump structure identified within APC7, to the south of the Existing Power Station. The eastern face of the observation of the pit (and OT503B) encountered the sump structure itself. The log for the depth of the sample indicates made ground: Blue grey angular to subangular fine to coarse phyllite, gravel and cobbles. Between 2.5m and 3.5m bgl, a faint to medium hydrocarbon odour was recorded on the logs. A sample was taken from 3.3m bgl for which contaminant concentrations are below the relevant guideline values, as were samples from OT503A (east face) and OT503B.
	Benzo(b)fluoranthene	83.9mg/kg	C4SL Commercial/ Industrial (77mg/kg) C4SL Public Open Space 2 (21mg/kg) S4UL Commercial/ Industrial (35mg/kg) S4UL Public Space Park (11mg/kg)	
		85.8mg/kg	S4UL Commercial/ Industrial (44mg/kg) S4UL Public Space Park (13mg/kg)	

Sample reference: Location (Depth)	Determinand exceeding guideline value	Concentration recorded	Guideline value(s) exceeded	Comment
	Dibenzo(ah)anthracene	7.95mg/kg	S4UL Commercial/ Industrial (3.5mg/kg) S4UL Public Space Park (1.1mg/kg)	
PC11HP02 (0.5m bgl)	Dibenzo(ah)anthracene (SVOC suite)	1.21mg/kg	S4UL Public Space Park (1.1mg/kg)	Hand-dug pit excavated within Dame Sylvia Crowe's Mound. The log for the depth indicates made ground: Light brown yellowish very sandy gravelly clay with a medium cobble content with fine to coarse gravel-size brick fragments. It should be noted that the dibenzo(ah)anthracene result (0.34mg/kg) from the PAH suite (which has a lower laboratory limit of detection (LOD) was below the relevant guideline values. Accordingly, this exceedance is not considered further, as it is not considered to represent a genuine risk.

The implications of these exceedances are assessed further within Section 6.7.

Given that the majority of the samples recorded concentrations below the relevant guideline values, risk to human health from soil-bound contamination across the study area is broadly considered to not be significant.

6.2.3 Asbestos Analysis

A total of 250 samples from 143 exploratory locations have been subject to laboratory analysis for the presence of asbestos. Asbestos was detected in 29 samples from 18 exploratory locations as shown in Table 6.3 below. The laboratory analysis certificates of all asbestos analysis are presented within Appendix B. Appendix D provides a list of all the samples within which asbestos was not detected. A plan summarising the asbestos analysis results is presented on Figure 16.

Table 6.3 : Positive asbestos detections

Sample location	Sample depth (m bgl)	Phase	Asbestos type	Matrix	Quantification result (%)	APC/Made ground type
BH617R	0.4	IOnGI	Unknown	Unknown	-	APC7/Type 1
BH709	0	DOnGI	Amosite	Loose fibres	<0.001	APC7/Made ground not encountered
BH745R	0	DOnGI	Chrysotile	Cement; Board	0.245	APC7/Type 4
BH745R	0.5	DOnGI	Chrysotile	Cement	-	APC7/Type 2

Sample location	Sample depth (m bgl)	Phase	Asbestos type	Matrix	Quantification result (%)	APC/Made ground type
BH889	0	DOnGI	Chrysotile	Board	0.596	APC19/Type 3
BH916R	0	DOnGI	Chrysotile	Cement; Tile	-	APC17/Type 2
TP700/1	0.95	DOnGI	Amosite; Chrysotile	Board; Loose fibres	0.497	APC7/Type 1
TP700/1	1.85	DOnGI	Amosite	Board	-	APC7/Type 1
TP700/1	2	DOnGI	Amosite; Chrysotile	Board; Loose insulation	0.437	APC7/Type 1
TP700/10 *	1	DOnGI	Chrysotile	Loose insulation	<0.001	APC 7/Made ground not encountered
TP700/16	0.3	DOnGI	Chrysotile; Crocidolite	Loose fibres; Tile	<0.001	APC19/Type 2
TP700/22	0.4	DOnGI	Chrysotile; Crocidolite	Board; Loose insulation	0.016	APC19/Type 2
TP700/23A	0	DOnGI	Chrysotile	Cement	-	APC17 /Type 1
TP700/27	0.3	DOnGI	Chrysotile	Loose Fibres	0.002	APC10/Type 2
TP800/17	3	DOnGI	Chrysotile	Loose fibres	0.008	APC12/Type 2
TP800/23	1.2	DOnGI	Chrysotile	Cement	-	APC7/Type 2
TP800/23	2	DOnGI	Chrysotile	Loose Fibres	0.003	APC7/Type 3
TP800/25	0.5	DOnGI	Amosite	Cement; Loose Fibres	0.608	APC7/Type 1
TP800/25	0.7	DOnGI	Amosite; Chrysotile	Board; Cement	-	APC7/Type 1
TP800/25	1	DOnGI	Chrysotile	Insulating Board	0.024	APC7/Type 1
TP800/25	1.8	DOnGI	Amosite; Chrysotile	Cement	0.065	APC7/Type 1
TP800/26	0.5	DOnGI	Amosite	Board	0.025	APC7/Type 3
TP800/26	1	DOnGI	Amosite	Cement	0.001	APC7/Type 3
TP800/27	1	DOnGI	Amosite	Loose Fibres	0.003	ACP7/Type 1
TP800/27	1.2	DOnGI	Amosite	Cement	-	ACP7/Type 1
Water Pipe Trench 1 **	0.1	DOnGI	Chrysotile	Cement	-	N/A
Water Pipe Trench 2 **	0.1	DOnGI	Chrysotile	Cement	-	N/A
PC7TP01	0.5	2015 GI	Amosite	Unknown	<0.001	ACP7/Type 1
PC7TP03 ***	0.45	2015 GI	Chrysotile	Insulating Board	-	ACP7/Type 2
PC7TP03 ***	0.55	2015 GI	Chrysotile	Thermal Insulation	-	ACP7/Type 2
PC7TP04 ***	0.45	2015 GI	Amosite; Chrysotile	Insulating Board; Rope	-	ACP7/Type 1
PC7TP04 ***	0.8	2015 GI	Chrysotile	Roofing Tile	-	ACP7/Type 1

* Jacobs asked the laboratory for confirmation that this result is correct given that asbestos was detected in a sample which the log indicates is of natural ground. The laboratory confirmed the result is correct, but it is possible that the sample was labelled incorrectly in the field.

**These samples were collected as part of the DOnGI whilst the groundworks team were attempting to bury a water pipe near the sports centre within the Wylfa Newydd Development Area. Their location is not recorded within the DOnGI factual report (Structural Soils, 2015).

*** These samples were taken of the suspected ACM rather than of the soil, so quantification of asbestos within the soil is not available.

Following the issue of revision 1.0 of this report, further work was undertaken at the request of Horizon to quantify the likely volume of ACM contaminated soil/made ground. The assessments are presented within two technical memoranda which address the area of waste materials (termed the Zone of Interest (ZOI)) within APC7 (Jacobs, 2016a) and the remainder of the site (Jacobs, 2016b) separately.

The methodology for calculating the volume was different in the two memoranda – the calculation for the APC7 ZOI was undertaken using ArcGIS and HoleBASE using a 3D modelling approach, as there was a greater density of ground investigation information within the area. The calculation for the remainder of the site was undertaken using ArcGIS and a combination of 2D interpolation modelling and depth estimation. Reference should be made to both technical memoranda, which are provided within Appendix D, for further information. A summary of the calculated volumes is presented below (as an extract from Jacobs, 2016b) in Table 6.4.

Table 6.4 : Summary of calculated volumes of ACM contaminated soil

Area	Calculated volume of ACM contaminated	Methodology used
APC7 ZOI	3,875m^3	3D modelling using ArcGIS – refer to Technical Memorandum WN02.04.01-JAC-OS-REP-00042 (Jacobs, 2016a).
Remainder of site *	2,275m^3	2D modelling using ArcGIS – refer to Section 2.2 of this Technical Memorandum.

* Excluding the volume of material used for the infill and/or culverting of the former stream alignment (APC19)

During the 2015 GI, in areas where asbestos was suspected within APC7, background, re-assurance and personal air monitoring was undertaken by RSK Environment Limited to determine airborne fibre concentrations. All tests (four background tests, 24 re-assurance tests and seven personal tests) were found to be below the limit of quantification as reported within the 2015 GI Factual Report (Structural Soils Limited, 2015).

Asbestos is discussed further within Section 6.7.

6.3 Controlled Waters Risk Assessment

6.3.1 Water Quality Standards

In order to assess potential risks to controlled waters receptors, comparison of soil-derived leachate and groundwater laboratory contamination analysis is often undertaken against water quality standards (WQSs), of which there are a number available. Those frequently adopted within the UK are described below.

- Environmental Quality Standards (EQSs) associated with freshwater, which assess the potential impact of contamination on surface water features such as the streams and SSSIs. EQSs were updated in December 2015, after issue of revision 1.0 of this report. The updated EQS values have been adopted for subsequent revisions of this report. A small number of the freshwater EQSs are based on water hardness or alkalinity. For the purposes of this assessment, the water hardness has been set at 161mg/l and the alkalinity at 127mg/l (these being the average values of six surface water samples collected on 4 December 2014). In addition, the updated EQSs for some metals (copper, manganese, lead, nickel and zinc) are based on the bioavailable portion – further information is provided below.
- EQSs associated with saline waters to assess the potential impact of contamination on coastal waters; and
- Drinking water standards (DWS), which consider the impact of contamination to groundwater that is or may be used as a drinking water supply.

There are no licensed potable water supplies within the study area, and all identified private water supplies are up-hydraulic gradient and not considered to be sensitive. Whilst the Irish Sea has been identified as a receptor, the most sensitive controlled waters receptor identified is the Tre'r Gof SSSI. Therefore, the EQSs for freshwater are considered to be the most appropriate guideline values. As discussed in Sections 2.6 and 4.4,

the encountered hydrogeological conditions in the study area are complex with some degree of interconnectivity between groundwater within the bedrock and superficial deposits. Whilst groundwater within the bedrock appears to flow around and beneath Tre'r Gof, the majority of groundwater within the superficial deposits flows towards Tre'r Gof; therefore, assessment against freshwater EQSs is considered appropriate.

As mentioned above, the updated EQSs for some metals (copper, manganese, lead, nickel and zinc) are based on the bioavailable portion ($EQS_{bioavailable}$). UKTAG, a partnership of the UK environment and conservation agencies which was set up by the UK-wide WFD policy group consisting of UK government administrations, has produced a metal bioavailability tool (M-BAT) to allow calculation of the bioavailable portion (UKTAG, 2014).

The M-BAT, which covers copper, nickel, manganese and zinc, requires the input of calcium, pH and dissolved organic carbon (DOC) results into the tool to calculate the bioavailable portion of the metals. Where results are not available, the tool calculates a site-specific predicted no effect concentration (PNEC). This is a calculated dissolved concentration of metal that is equivalent to the $EQS_{bioavailable}$ based on the local water conditions at the site. A separate tool is available for lead using DOC input only, as it is not a full bioavailable EQS – for the purposes of this report, this tool is also referred to as M-BAT.

Given that the majority of the ground investigations and groundwater monitoring were completed prior to the update of the EQS in 2015, much of the data available do not allow for calculation of the bioavailable portion of the metals on a per-sample basis. For soil leachate, given there are no sample-specific calcium or DOC results available, the M-BAT has been used to calculate PNEC using averaged values. The soil leachate data were then compared against the PNEC; further discussion is presented below on the conservatism of assessing soil leachate data directly against WQS.

A summary of the available input parameters and calculated PNEC is presented below in Table 6.5.

Table 6.5 : Input parameters for M-BAT and calculated PNEC

Parameter (input / output)	Value	Parameter description
pH (input)	7.9	Average pH from all groundwater data (270 samples)
DOC (input)	6mg/l	Average DOC from six surface water samples collected from Tre'r Gof (November 2015 to August 2016)
Calcium (input)	75.1mg/l	Average calcium from all groundwater data (270 samples)
Copper (PNEC output)	21.40µg/l	Site-specific calculated PNEC for copper
Lead (PNEC output)	7.20µg/l	Site-specific calculated PNEC for lead
Manganese (PNEC output)	266.45µg/l	Site-specific calculated PNEC for manganese
Nickel (PNEC output)	13.61µg/l	Site-specific calculated PNEC for nickel
Zinc (PNEC output)	32.08µg/l*	Site-specific calculated PNEC for zinc

* Note: a 3µg/l ambient background concentration for Anglesey has been added to the calculated PNEC for zinc (refer to the *Water Framework Directive (Standards and Classification) Directions (England and Wales) 2015*)

For groundwater, a greater range of data are available, so the approach adopted was to calculate the bioavailable portion of the metals for comparison against the published $EQS_{bioavailable}$. Further discussion on this approach is presented in Section 6.3.3.

There are no available WQS values for many of the VOCs and SVOCs compounds tested; however, many of these compounds were recorded below laboratory LODs. There are also no EQSs for individual TPH bands; as such, these were screened against a standard of 10µg/l in line with guidance issued by the Environment Agency (Environment Agency, 2009b).

It should be noted that the WQSs are derived for assessment of water analysis and represent values to assess concentrations within surface water bodies (in the context of EQSs) or concentrations at the consumers' taps (in the context of DWSs).

Soil-derived leachate testing has been undertaken on a number of soil samples taken from across the study area. These results provide an indication of the potential contamination which might leach from the soil (e.g. due to rainwater infiltration flushing contamination from soil pores) into underlying groundwater. There are no publicly available WQSs for soil-derived leachate results, and so an assessment has been undertaken by comparing the soil leachate results against the WQSs outlined above. However, it should be noted that this is a conservative approach, as the method used to extract soil leachate is likely to overestimate contaminant leachability. Furthermore, direct comparison of leachate results with the WQS ignores the effects of dilution and attenuation which will occur between the soil source and the receptor.

6.3.2 Soil-derived Leachate Assessment

Soil-derived leachate testing has only been undertaken as part of the DOnGI and 2015 GI, as summarised in Table 6.6 below.

Table 6.6 : Number of samples per contamination suite (leachate analysis)

Contamination suite	Number of samples tested in DOnGI	Number of samples tested in 2015 GI
Metals	65	25
TPHs	65	23
PAHs	65	25
VOCs	40	0
SVOCs	40	0

The results have been screened against all available WQSs, noting that, as outlined above, EQSs for freshwater are considered the most relevant. The screening tables are presented in Appendix E.

A summary of the determinands that were found to exceed the WQSs is presented in Table 6.7 below. Exceedances that were recorded below the laboratory LOD, i.e. where the LOD is higher than the WQS, have been discounted from the assessment, as the genuine likelihood of the concentration exceeding the WQS is considered to be low.

Refer to Figure 17 for the locations of WQS exceedances, which also shows where exceedances of GAC and both GAC and WQS have been identified. The locations exceeding copper, lead and zinc WQS are shown separately on Figure 18 as these determinands exhibit a greater number of exceedances. Chromium soil leachate exceedances of WQS are shown on Figure 19 together with exceedances of groundwater samples, as this determinand was frequently elevated in both soil leachate and groundwater.

Table 6.7 : Soil-derived leachate exceedances of water quality standards

Determinand exceeding guideline value	WQS (EQS freshwater unless specified)	No. of DOnGI results exceeding WQS (% of samples analysed)	No. of 2015 GI results exceeding WQS (% of samples analysed)	Maximum concentration recorded and location (depth)
pH	6-9	8 (12%)	0	5.32 (minimum) at TP700/39 (0.5m)
Ammoniacal nitrogen	0.5mg/l (DWS)	Not tested	2 (9%)	0.88mg/l at XTP067 (0.4m)

Determinand exceeding guideline value	WQS (EQS freshwater unless specified)	No. of DOnGI results exceeding WQS (% of samples analysed)	No. of 2015 GI results exceeding WQS (% of samples analysed)	Maximum concentration recorded and location (depth)
Antimony	5µg/l (DWS)	Not tested	2 (100%)	9µg/l at XTP069A (0.0–0.2m)
Chromium (total)	4.7µg/l	12 (18%)	1 (4%)	25µg/l at PC7TP11 (0.5m)
Copper	21.4µg/l *	10 (15%)	4 (16%)	4,580µg/l at TP800/26 (0.5m)
Manganese	266.45µgl *	5 (8%)	Not tested	2,274µg/l at TP800/22 (1.6m)
Mercury	0.07µg/l	4 (6%)	0	0.3µg/l at TP700/1 (0.95m and 2.0m)
Nickel	13.61µg/l *	1 (2%)	0	240µg/l at TP800/26 (0.5m)
Nitrate	11.3µg/l (DWS)	Not tested	1 (4%)	27.24µg/l at PC17TP01 (+1.6–0.0m)
Lead	7.2µg/l *	17 (26%)	7 (28%)	291µg/l at TP800/30 (0.5m)
Zinc	35.08µg/l **	11 (17%)	3 (12%)	703µg/l at TP800/26 (0.5m)
Total TPH	10µg/l (Environment Agency guideline)	5 (8%)	0	455µg/l at TP700/1 (0.95m)
Benzo(a)pyrene	0.00017µg/l	0	1 (4%)	0.09µg/l at PC7TP07 (0.5m)
Benzo(b)fluoranthene	0.017µg/l	0	1 (4%)	0.08µg/l at PC7TP07 (0.5m)
Benzo(g,h,i)perylene	0.0082µg/l	0	2 (8%)	0.39µg/l at PC7TP07 (0.5m)
Benzo(k)fluoranthene	0.017µg/l	0	1 (4%)	0.03ugl at PC11HP02 (0.5m)
Fluoranthene	0.0063µg/l	2 (3%)	1 (4%)	0.04µg/l at TP700/39 (0.5m) and PC11HP02 (0.5m)

* Derived site-specific PNEC using UKTAG M-BAT tool.
** Derived site-specific PNEC using UKTAG M-BAT tool plus 3.0µg/l ambient background concentration for Anglesey (refer to the *Water Framework Directive (Standards and Classification) Directions (England and Wales) 2015*)

The soil-derived leachate results indicate that there were relatively widespread exceedances (above 15%) of the WQS for antimony, chromium, copper, lead and zinc. Antimony was only tested in two samples, and the concentrations were not significantly elevated compared to the DWS; as there is no EQS for antimony, this determinand is not discussed further.

Copper and manganese exceedances were recorded widely within the groundwater (see Section 6.3.3 below) - it is considered likely that these determinands are primarily derived from weathering of the bedrock and represent natural background concentrations, with the exception of some locations where greater elevations were recorded, discussed in more detail below.

The copper, lead and zinc concentrations were compared against the calculated site-specific PNEC, as discussed in Section 6.3.1. All concentrations of these determinands were less than an order of magnitude above the PNEC, with the exception of the following results:

- copper – 4,580µg/l at TP800/26 (0.5m bgl);
- lead – 224µg/l at TP700/22 (0.4m bgl);
- lead – 193µg/l at TP800/26 (0.5m bgl);
- lead – 88µg/l at TP800/27 (0.5m bgl);

- lead – 291µg/ at TP800/30 (0.5m bgl); and
- zinc – 703µg/l at TP800/26 (0.5m bgl).

These locations (shown on Figure 18), as well as the remainder of the metals and inorganic exceedances (except chromium which is discussed further below), generally correlate with areas of type 1 and type 2 made ground found within the area to the south and southwest of the Existing Power Station. The majority of results are less than an order of magnitude above their relevant WQS, which, as noted within Section 6.3.1, are conservative when used to assess soil-derived leachate values.

Soil-derived leachate concentrations for organic determinands such as TPH and PAH are generally low across the site, with the vast majority of results recorded at less than the LODs. Five locations were found to exceed PAH WQS: PC11HP02 within Dame Sylvia Crowe's Mound; TP700/3, PC7TP07 and XTP069A within the area of made ground to the south of the Existing Power Station; and TP700/39 within the southern part of the site. The concentrations are not significantly elevated above the WQS.

In the isolated locations where TPH exceedances were recorded, the hydrocarbon fractions recorded above the LOD were the heavier end of the TPH compounds, i.e. C12 and above (the fractions recording the bulk of the concentrations were >C16-C21). Lighter-end TPH compounds (<C16) are generally more toxic and more mobile due to greater solubility, greater volatility and lower organic partitioning coefficients. Heavier TPH compounds typically have opposing properties, tending to adsorb into the organic fraction of soil more readily. Given they are less mobile, they tend to pose less risk to controlled waters.

Further consideration is given to the soil-derived leachate results within Section 6.7; however, in general the concentrations recorded are not considered to represent a significant risk to the identified receptors.

6.3.2.1 Discussion of Chromium Results

Chromium exceeded the EQS in 18% of the DOnGI samples but only 1% of the 2015 GI samples (14% overall) across the two ground investigation phases (DOnGI and 2015 GI). The locations of the chromium soil-derived leachate exceedances are shown on Figure 19; whilst some exceedances are located within APCs, other exceedances (TP700/49 and TP800/33) are located outside of an APC. Chromium was widely recorded within groundwater (see Section 6.3.3 below), suggesting that the source is most likely derived from natural geology rather than a point source.

A number of publications indicate that there is a link between serpentine geology and chromium in soils (Aubert and Pinta, 1977; Hooda, 2010). The GeoMôn website states: "…*serpentines: apparently restricted in their occurrence to the New Harbour Group, these basic to ultrabasic intrusive rocks are highly altered in places (with conversion of olivine to serpentine). Locally, they have been quarried for ornamental serpentine, and at one locality, for chromite*." (GeoMôn, 2017). Given that the majority of the Wylfa Newydd Development Area is underlain by rocks of the New Harbour Group, it is considered that the elevated chromium concentrations recorded at the site are most likely related to the underlying geology rather than being indicative of anthropogenic contamination.

Hexavalent chromium, which is often derived from anthropogenic sources, was below the LOD in the 25 samples analysed.

6.3.3 Groundwater Assessment

6.3.3.1 Site-wide Groundwater Monitoring

Groundwater sampling for laboratory chemical analysis has been undertaken as part of the various ground investigations and ongoing assessments as shown in Table 6.8. The boreholes that were sampled in each phase are detailed in Appendix E.

Table 6.8 : Groundwater monitoring undertaken

Investigation phase	Groundwater monitoring undertaken
PSI	Sampling from three boreholes around a sump where TCE was identified and from SMBH14 in an area where elevated hydrocarbons had previously been identified. Only targeted sampling was undertaken during the PSI, and no general groundwater quality monitoring was undertaken. The results from the PSI monitoring are excluded from the assessment provided below.
IOnGI	Groundwater samples were taken from 24 boreholes from March to July 2011. Samples were tested for a range of inorganic and organic parameters as shown in Appendix E.
DOnGI (high priority)	Groundwater samples were taken from 34 IOnGI and DOnGI boreholes in July 2014. Samples were tested for a range of inorganic and organic parameters as shown in Appendix E.
DOnGI (low priority)	All monitoring boreholes installed as part of the DOnGI (low priority) works, and 45 were sampled between September 2014 and January 2015. Most samples were analysed for a reduced suite compared to the samples taken from the DOnGI (high priority) boreholes.
Environmental Impact Assessment (EIA) monitoring	As part of the EIA, quarterly groundwater monitoring has been undertaken since late 2014. In November 2014, 39 boreholes were sampled across the study area including the sentinel boreholes (boreholes installed around the periphery of the study area). Further monitoring rounds were also undertaken in March 2015 (31 boreholes), June 2015 (34 boreholes), September 2015 (34 boreholes) and December 2015 (33 boreholes). A review of results from the monitoring since December 2015 identified that contaminant concentrations are generally consistent with those measured previously, and thus nothing has been identified that would affect or change the risk assessment and remediation strategy presented below. As such, these data have not been included or assessed within this report. Testing has been undertaken principally for inorganic major ions and metals. In addition, samples from around the area where TCE had previously been identified were tested for VOCs.
Additional monitoring around SMBH14	Additional groundwater monitoring was undertaken at six boreholes around and including SMBH14, where hydrocarbons have been recorded in January 2016. The results of this monitoring has been incorporated into this report.

Groundwater sampling methods used for the PSI and IOnGI are not specified in the factual or interpretative reports. For the DOnGI, the groundwater was sampled using low-flow techniques using either a peristaltic pump or bladder pump depending on the depth of the response zone. An in-line flow cell was used to measure wellhead parameters (pH, temperature, electrical conductivity, redox potential and dissolved oxygen) and groundwater samples were then collected once these parameters had stabilised.

For the monitoring undertaken in November 2014, March 2015, June 2015, September 2015 and December 2015 as part of the EIA works, groundwater was sampled either by use of disposable bailers (in the shallower boreholes) or HydraSleeves, a no-purge sampling technique. The HydraSleeves were installed for at least two days (and in most cases between one week and up to three months) before taking the samples to allow groundwater in the borehole to stabilise. The HydraSleeve sampling methodology does not allow for well head parameters to be collected.

The results of the groundwater analysis undertaken for the site have been screened against the WQSs and are presented in Appendix E. It is noted that, with respect to the IOnGI and DOnGI laboratory testing results, the screening exercise has been undertaken based upon the available AGS data. It is noted that the AGS data do not include the correct dates for each of the groundwater samples taken.

A summary of the key groundwater quality determinands which have recorded exceedances of the WQS, is provided below in Table 6.9. A summary of the determinands for which $EQS_{bioavailable}$ are available is provided separately within Table 6.10.

Exceedances which were recorded below the laboratory LOD, i.e. where the LOD is higher than the WQS, have been discounted from the assessment, as the genuine likelihood of the concentration exceeding the WQS is considered to be low.

Table 6.9 : Summary of groundwater analysis - key determinands

Determinand	WQS (EQS freshwater unless specified)	No. of results	Minimum value	Maximum value	Total no. of exceedances (% of samples analysed)
pH	6-9	270	5.98	13.1	19 (7%)
Electrical conductivity	2,500µs/cm (DWS)	260	15.6µs/cm	18,600µs/cm	11 (4%)
Chloride	250mg/l (withdrawn EQS)	266	20.6mg/l	285mg/l	2 (<1%)
Ammoniacal nitrogen	0.5mg/l (DWS)	267	<0.01mg/l	9.5mg/l	46 (17%)
Nitrate as N	11.3mg/l (DWS)	266	<0.06mg/l	47.8mg/l	22 (8%)
Sulphate	250mg/l (DWS)	270	<1mg/l	384mg/l	2 (<1%)
Cadmium	0.15µg/l	214	<0.05µg/l	1.16µg/l	10 (4%)
Chromium (total)	4.7µg/l	220	0.492µg/l	103µg/l	94 (42%)
Iron (total)	1,000µg/l	194	<10µg/l	54,200µg/l	22 (11%)
Mercury	0.07µg/l	213	<0.01µg/l	39.1µg/l	27 (12%)
Total extractable petroleum hydrocarbons (EPH)	10µg/l (withdrawn Environment Agency guideline)	129	<100µg/l	3,540µg/l	26 (20%)
TPH (Aliphatic and Aromatic)	10µg/l (withdrawn Environment Agency guideline)	95	<5µg/l	3,659µg/l*	14 (14%)
Benzo(a)pyrene	0.00017µg/l	153	<0.009µg/l	0.03µg/l	3 (1%)
Benzo(b)fluoranthene	0.017µg/l	153	<0.01µg/l	0.04µg/l	1 (<1%)
Benzo(k)fluoranthene	0.017µg/l	153	<0.01µg/l	0.03µg/l	1 (<1%)
Fluoranthene	0.0063µg/l	153	<0.01µg/l	0.44µg/l	6 (3%)
Carbon Tetrachloride	12µg/l	92	<0.1µg/l	93µg/l	2 (2%)
TCE	10µg/l	92	<0.1µg/l	56.6µg/l	5 (5%)
Bis(2-ethylhexyl)phthalate	2µg/l	76	<2	5µg/l	1 (1%)

* A TPH concentration of 12,202µg/l was reported in BH705, although on inspection this monitoring well was not installed. It is suspected that this result represents a sample taken of standing water during excavation of the borehole, and accordingly this result has been disregarded.

The metal determinands with $EQS_{bioavailable}$ were assessed separately using M-BAT. The concentrations of the metals were input to the tool, together with the available pH and calcium results from the same sample to allow

determination of the bioavailable concentration of the metals. Where a pH or calcium result was not available for a sample, the average values as presented in Table 6.5 were used; the DOC concentration (6mg/l) outlined within that table was also adopted for the tool. The calculated bioavailable concentrations were compared directly against the $EQS_{bioavailable}$.

Table 6.10 : Summary of bio-available determinands

Determinand	WQS ($EQS_{bioavailable}$)	No. of results	Minimum calculated bioavailable concentration	Maximum calculated bioavailable concentration	Total no. of exceedances (% of samples analysed)
Copper	1µg/l	214	0.03	11.17	24 (11%)
Lead	1.2µg/l	214	<0.01	14.82	11 (5%)
Manganese	123µg/l	291	0.05	3,062.19	89 (31%)
Nickel	4µg/l	214	0.04	26.50	13 (6%)
Zinc	13.9µg/l*	214	0.14	65.91	16 (7%)

* $EQS_{bioavailable}$ plus 3.0µg/l ambient background concentration for Anglesey (refer to the *Water Framework Directive (Standards and Classification) Directions (England and Wales) 2015*)

The findings of the groundwater screen against WQSs are summarised below:

- Manganese (31% of samples exceed) and chromium (42%) show widespread elevation in comparison with WQSs. The manganese values appear particularly high, probably reflecting mineralization from both rock and superficial deposits, and are generally higher in the shallow groundwater. This correlates with the soil-derived leachate concentrations. The chromium exceedances (refer to Figure 19) are also distributed around the study area and do not appear to be linked with areas of made ground or APC. Refer to Section 6.3.2.1 for a discussion on the likely source of the elevated chromium results. Hexavalent chromium was below the LOD in the six samples analysed.
- Concentrations of other metals, including cadmium, copper, mercury and iron, have also been recorded above the WQS, albeit to a lesser degree. It should be noted that the elevated mercury concentrations were investigated further and were found to be due to a laboratory analytical error. A letter from the laboratory (Envirolab) is provided within Appendix E outlining the cause. They concluded that when mercury is analysed for isotope 202, interference can occur with tungsten which can be converted to tungsten oxide (WO-mass 202) in the plasma of the inductively coupled plasma machine. The laboratory re-ran samples through a different machines, including a machine at another laboratory, and found all results were either trace or below the LOD.
- Concentrations of ammoniacal nitrogen and nitrate as N vary widely and are elevated in a number of locations; this is largely attributed to the agricultural land use of much of the study area.
- pH is typically neutral to slightly alkaline; however, notably high pH values have been recorded at several locations, primarily in installations within bedrock, up to a maximum of pH 13.1. The high pH values are considered to be attributable to the bedrock mineralogy, as no other exceedances have been recorded at these locations. The high pH values could potentially pose a health and safety and construction hazard should contractors and/or buildings and services come into contact with this groundwater – the risks from pH are not considered further within this report.
- Concentrations of the major ions (including sulphate, calcium and chloride) are generally low.
- Organic compounds are generally below the LOD, with the following notable exceptions.
    - In borehole BH312, chlorinated solvents (principally TCE) were detected. This borehole is adjacent to the sump structure identified to the south of the Existing Power Station. Concentrations have varied with time – TCE was detected (below the WQS) during the PSI (1.63µg/l, compared to WQS of 10µg/l) and in all three DOnGI monitoring rounds and exceeded the WQS in two rounds, with concentrations up to 46µg/l. Monitoring undertaken as part of the EIA monitoring programme recorded a peak

concentration of 56.6µg/l in June 2015 – the highest since pre-PSI monitoring of the sump, although the December 2015 monitoring recorded a drop to 30.7µg/l. Whilst elevated against the WQS, these results are not of the same magnitude as the pre-PSI monitoring (maximum 1,100µg/l).

However, TCE concentrations in nearby boreholes BH313 and BH314 continue to be recorded below the LOD, indicating that contamination is localised (soil surrounding the sump also shows no indication of TCE impact). Based on historic surface water sampling of nearby drains, there is some possible connectivity thought to be related to overflow/discharge of the sump following high rainfall.

- Carbon tetrachloride has also been recorded above the WQS at BH725R and BH913R.
- TPH has been detected in a number of boreholes, notably SMBH14 and BH858. During the PSI, free-phase hydrocarbons were recorded in SMBH14 (a pre-PSI borehole) with corresponding significant concentrations of hydrocarbons (180,265µg/l) as well as elevated concentrations of bis(2-ethylhexyl)phthalate (a SVOC). Monitoring of SMBH14 during the IOnGI recorded a hydrocarbon sheen (no free product) and concentrations still significantly above WQSs (up to 1,270µg/l). Minor TPH exceedances have also been recorded in BH312 during the IOnGI and DOnGI (up to 29µg/l).

  As part of the DOnGI, three new boreholes were installed around SMBH14: BH856, BH857 and BH858. Monitoring of SMBH14 during the DOnGI recorded concentrations below the LOD, although monitoring at BH858 indicated elevated concentrations of TPH (149µg/l). No hydrocarbons were detected in BH856 and BH857, although it should be noted that the upper surface of groundwater, where lighter fraction hydrocarbons might be anticipated to be present, was not screened in these wells.

  Groundwater monitoring was undertaken in January 2016 at six boreholes: SMBH14, BH713, BH854, BH857, BH858 and BH860 to provide further data on organic contaminants. With the exception of SMBH14 (105µg/l) and BH857 (11µg/l), TPH was recorded below the detection limit. 1,1,1-trichloroethane was recorded in all boreholes excluding BH854 and BH713, although the maximum concentration (1.8µg/l) is comfortably below the 100µg/l former EQS (the updated EQSs no longer include a guideline value for the determinand).
- Total EPH have been detected in a number of boreholes around the site, including the following:

  Tre'r Gof SSSI boreholes – BH309R (maximum 160µg/l), BH310CP (maximum 137µg/l), BH523RD (maximum 130µg/l), BH524CP (maximum 899µg/l), BH524R (maximum 263µg/l) and BH526CP (maximum 3,540µg/l). 1,1-Dichloroethene was also detected in BH20 (albeit the concentration was only equal to the level of detection) and n-dioctylphthalate was detected in BH310CP and BH526CP.

  Wylfa Newydd Power Station Site boreholes – BH313 (maximum 333µg/l), BH314 (maximum 252µg/l), BH509CP (maximum 675µg/l), BH512CP (maximum 141µg/l), BH516A (maximum 367µg/l) and BH1010 (maximum 1,280µg/l).

  Sentinel boreholes – RGMBH5 (maximum 211µg/l), RGMBH6 (178µg/l), RGMBH4A (137µg/l) and RGMBH1D (104µg/l).

In general, the groundwater conditions recorded in the study area do not suggest widespread significant contamination is present. There were widespread chromium, manganese and, to a lesser extent, iron concentrations recorded above the WQS, although these are considered to most likely represent background concentrations emanating from the rock and superficial deposits rather than a source of anthropogenic contamination.

Isolated areas of organic contamination have been recorded, the most significant of which include the TCE contamination associated with the sump structure to the south of the Existing Power Station and the TPH contamination recorded in SMBH14 (to the northeast of the Existing Power Station). In addition, elevated EPH have been recorded at a number of locations across the site during the more recent groundwater monitoring. This includes several boreholes in the area surrounding Tre'r Gof SSSI; the source of the hydrocarbon contamination within this area is unclear.

Further consideration of the above areas and the site-wide groundwater concentrations are considered within Section 6.7.

It should also be noted that the DOnGI Interpretative Ground Investigation Report (Atkins, 2017) highlights a number of boreholes as other potential areas of concern, as described below.

- BH719, where elevated cadmium was recorded. On further inspection by Jacobs, the concentrations reported by Atkins were for calcium not cadmium. There are no relevant WQSs for calcium.
- BH713, BH763 and BH777, where elevated ammoniacal nitrogen was recorded. Elevated cadmium at BH763 (borehole within area recorded as 'council depot') was also reported. On further inspection by Jacobs, the ammoniacal nitrogen concentrations reported by Atkins are for chloride, and the cadmium concentration reported at BH763 is for calcium. These are below WQSs, where available.
- BH313, where elevated chromium and cadmium were recorded, and BH312, where elevated cadmium was recorded. On further inspection by Jacobs, the cadmium concentrations reported by Atkins are for calcium and the chromium concentrations reported by Atkins are for iron. The iron concentration (8,685µg/l) at BH313 exceeds the WQS (1,000µg/l) – one of a number of site-wide exceedances as reported above.

Accordingly, these other areas of potential concern are not considered further.

6.4 Phytotoxic Risk Assessment

In addition to the human health and controlled waters risk assessments, a preliminary phytotoxic assessment has been undertaken to determine potential risks to plants. In the absence of current guideline values to screen the soil laboratory analysis results against, an assessment has been made against criteria outlined within the *Code of Practice for the Agricultural Use of Sewage Sludge* (Department of the Environment, 1996) and *Guidance on the Assessment and Redevelopment of Contaminated Land* (Interdepartmental Committee on the Redevelopment of Contaminated Land (ICRCL), 1987). Only determinands which are considered phytotoxic were assessed. For the remainder of the determinands, the guidelines used within the human health risk assessment are considered protective of risks to plants.

A summary of the assessment is provided below in Table 6.11. The full assessment is provided within Appendix F.

Table 6.11 : Summary of phytotoxic risk assessment

Determinand	Code of Practice for agricultural use of sewage sludge guideline value (mg/kg)	ICRCL guideline value (mg/kg)	No. of results (Total - all phases of GI)	Minimum value (mg/kg)	Maximum value (mg/kg)	No. of exceedances of guideline values (Code of Practice/ICRCL)
Boron	-	3	89	<1	2.3	0/0
Copper	135	130	272	5	5,510	14/14
Nickel	75	70	272	3	494	5/5
Zinc	200	300	272	17	31,900	28/24

Of the exceedances identified above, the majority were less than an order of magnitude above the guideline value. Those results which were over an order of magnitude greater than the guideline value are presented below:

- PC7TP01 (0.5m) – copper (2,880mg/kg) and zinc (14,600mg/kg);
- BH617R (0.4m) – copper (3,620mg/kg) and zinc (16,100mg/kg);
- TP700/1 (0.1m) – zinc (3,120mg/kg);
- TP700/1 (0.95m) – zinc (4,170mg/kg);

- TP700/1 (2.0m) – copper (1730mg/kg) and zinc (3,390mg/kg);
- TP700/9 (0.4m) – copper (2,310mg/kg) and zinc (10,400mg/kg); and
- TP800/26 (0.5m) – copper (5,510mg/kg) and zinc (31,900mg/kg).

With the exception of TP700/9, all the above exceedances are within the area of 'made ground containing waste materials' identified within APC7. Due to the presence of asbestos within this area, this made ground would be subject to remediation (reference should be made to Section 8.2.4 for further details) regardless. At TP700/9, there is no record of stressed vegetation, and the extent of the elevated phytotoxic contaminants is considered limited.

Based on the assessment outlined above, phytotoxic risks are not considered further within this report.

6.5 Ground Gas Risk Assessment

6.5.1 Introduction

The vast majority of the ground conditions recorded across the site suggests that the ground gas generation potential would be low. Only areas of identified made ground/fill materials and hydrocarbon contamination are likely viable sources on-site, although it is noted that natural soils/rocks with high organic content can also result in elevated ground gas concentrations.

During the earthworks required to construct the Wylfa Newydd Power Station, there would be considerable change to ground conditions as a result of excavation and re-profiling works. In areas where buildings (and their occupants) are proposed (the only credible receptors at risk from ground gas), the excavation works would remove the majority, if not all, made ground deposits. Accordingly, monitoring of ground gas conditions at this stage will not provide a reliable indication of the ground gas regime at the site following completion of development; it should, however, provide an indication of the likely presence or absence of ground gas generating material on-site.

During the ground investigations, a number of monitoring wells have been installed, although these have primarily been for groundwater monitoring purposes and have been installed across superficial deposits and the bedrock. In addition, in a number of boreholes the groundwater level is recorded above the response zone – at these locations the monitoring will represent water-borne gases rather than those from soil. Only one borehole (PC7BH01 from the 2015 GI) has been installed within made ground. Notwithstanding this, ground gas monitoring has been undertaken on a number of occasions (up to six rounds for some boreholes).

A summary of the ground gas monitoring results including the assessment outlined below is provided as Appendix G.

6.5.2 Methodology

Construction industry research and information association (CIRIA) ground gas guidance C665 (Wilson *et* al., 2007) has been used to evaluate potential risks associated with measured ground gas concentrations. This guidance places an emphasis on the use of flow rate data as well as gas concentrations to derive a gas screening value (GSV). The GSV can then be used to assess the risk posed by gassing sites, in comparison to characteristic situations (CSs). This risk is measured on a scale of 1 (very low risk) to 6 (very high risk); refer to Table 6.12 for further details.

Table 6.12 : Ground gas assessment criteria - Characterisitic Situations

CS	Risk classification	GSV (l/hr)	Additional factors	Typical source of generation
1	Very low risk	<0.07	Typical methane <1% and/or carbon dioxide <5%. Otherwise consider increase to CS 2.	Natural soils with low organic content. 'Typical' made ground.
2	Low risk	<0.7	Borehole air flow rate not to exceed 70l/hr. Otherwise consider increase to CS 3.	Natural soil, high peat/organic content. 'Typical' made ground.
3	Moderate risk	<3.5	-	Old landfill, inert waste, mineworking flooded.
4	Moderate to high risk	<15	Quantitative risk assessment required to evaluate scope of protective measure.	Mineworking – susceptible to flooding, completed landfill.
5	High risk	<70	-	Mineworking – unflooded, inactive, with shallow workings near surface.
6	Very high risk	>70	-	Recent landfill site.

Notes:
1. GSV is calculated by multiplying the maximum gas concentration by the maximum measured borehole flow rate.
2. Source of gas and generation potential/performance should be identified.
3. If there is no detectable flow, the LOD of the instrument should be used.

These GSVs assist in the determination of potential risks associated with the site and are used to provide initial guidance on the protective measures which may be employed. If the GSV results indicate a CIRIA CS2 classification or lower, then these can be considered as 'typical' values for natural sources.

To calculate the GSV, the following equation was used (adapted from the CIRIA guidance (Wilson *et* al., 2007):

GSV (l/hr of gas) = borehole flow rate (l/hr) x gas concentration (% v/v)

In accordance with the guidance, the GSVs have been calculated using the maximum values recorded on-site (which are not necessarily from the same location), but the following should be considered when reviewing the results.

- The worst possible consequence of methane build-up is an instantaneous explosion, with the potential for considerable loss of life and property. This could occur at any time and partly explains why a maximum value is appropriate.
- Although the worst possible consequence of carbon dioxide build-up is death, the event would require exposure over an extended timescale compared to a methane explosion. As a result, the event could be more easily mitigated against by the actions of a person(s) affected, for example by increasing ventilation within the space if drowsiness or nausea was experienced. Therefore, the steady-state concentration of carbon dioxide is arguably more pertinent, with the maximum value representing a worst-case scenario.

6.5.3 Summary of Results

The results indicate that neither carbon dioxide nor methane concentrations have been identified above their respective guideline values of 5%v/v and 1%v/v respectively. The maximum methane concentration recorded was 0.8%v/v at BH802R where the response zone was within the New Harbour Group bedrock and no flow was detected. The maximum concentration of carbon dioxide was 4.3%v/v at PC7BH02 within the area to the southwest of the Existing Power Station. This borehole was installed within the locally derived lodgement till and a flow rate of 0.1l/hr was recorded.

The GSVs have been calculated using the methodology reported above and are reported within Appendix G. All GSVs were recorded below 0.07l/hr indicating they are CS1 (very low risk) with the exception of the carbon dioxide GSV recorded at BH777R where, on account of a carbon dioxide concentration of 3.4%v/v and a flow

rate of 14.4l/hr, the GSV is 0.4896l/hr (CS2 – low risk). The response zone at this location is within the locally derived till.

The results indicate that significantly elevated ground gases are not present, although it is noted that monitoring is limited by ineffective response zone siting and frequency of monitoring rounds – the majority of locations have only been monitored once. However, the results are considered robust enough to determine that ground gas is unlikely to be a significant risk at the site, especially given much of the made ground and superficial deposits would be excavated prior to construction of the Power Station and moved to the landscaped mounds where any ground gases would likely be able to vent to atmosphere. The risk from ground gas is considered further within Section 6.7.

6.6 Waste Assessment

Laboratory analytical results from soil samples collected from the PSI, IOnGI, DOnGI and 2015 GI have been assessed using HazWasteOnline™ to provide a preliminary conservative indication of whether they would be considered hazardous waste (European Waste Catalogue (EWC) Code 17-05-03*) or non-hazardous waste (EWC Code 17-05-04), should disposal off-site of excavated materials be required. More specific EWC codes may be used following waste acceptance criteria testing, e.g. 17-06-05* Construction materials containing asbestos.

The vast majority of soils have been determined as non-hazardous waste, with the exceptions shown in Table 6.13. The full waste assessment is provided in Appendix H.

Table 6.13 : Samples classified as hazardous waste

Sample location/ID	Sample depth (m bgl)	Comment
BH617R	0.4	HP 7 (Carcinogenic) due to concentrations of lead compounds, HP 14 (Ecotoxic) due to copper oxide, lead compounds and zinc oxide concentrations. Lead compounds and zinc oxide species selected based on the low concentrations of chromium; there is insufficient chromium present for the chromate forms to be present.
OT613	1.2	HP 7 (Carcinogenic) and HP 11 (Mutagenic) due to TPH concentrations exceeding 1,000mg/kg.
TP700/1	0.3	HP 14 (Ecotoxic) based on zinc oxide concentrations. Zinc oxide species selected based on the low concentrations of chromium; there is insufficient chromium present for the chromate form to be present.
TP700/1[1]	0.95	HP 14 (Ecotoxic) based on zinc oxide concentrations. Zinc oxide species selected based on the low concentrations of chromium; there is insufficient chromium present for the chromate form to be present. This sample would also be classified as hazardous due to asbestos (quantification result: 0.497%).
TP700/1[2]	2	HP 7 (Carcinogenic) due to lead compounds, H10 (Toxic for reproduction) lead compounds, HP 14 (Ecotoxic) copper (I) oxide, zinc oxide and lead compounds. Lead compounds and zinc oxide species selected based on the low concentrations of chromium; there is insufficient chromium present for the chromate forms to be present. This sample would also be classified as hazardous due to asbestos (quantification result: 0.437%).
TP700/16	0.3	HP 14 (Ecotoxic) copper (I) oxide and zinc oxide. Zinc oxide species selected based on the low concentrations of chromium; there is insufficient chromium present for the chromate form to be present.

Sample location/ID	Sample depth (m bgl)	Comment
TP700/9	0.4	HP 7 (Carcinogenic) due to lead compounds HP 14 (Ecotoxic) copper (I) oxide, lead compounds zinc oxide. Lead compounds and zinc oxide species selected based on the low concentrations of chromium; there is insufficient chromium present for the chromate forms to be present.
TP800/25	0.5	HP 7 (Carcinogenic) due to zinc chromate. This sample would also be classified as hazardous due to asbestos (quantification result: 0.608%).
TP800/26	0.5	This sample would be classified as hazardous due to asbestos (quantification result: 0.608%).
TP800/26[1]	1	HP 7 (Carcinogenic) due to lead compounds and HP 14 (Ecotoxic) due to copper oxide and zinc oxide.
PC7TP01	0.5	HP 14 (Ecotoxic) due to zinc oxide.

It is noted that a number of asbestos detections do not have corresponding quantification results, and accordingly, further hazardous waste may be present.

The above assessment provides a preliminary indication of waste classification. A number of the samples above may be determined as non-hazardous, subject to further assessment prior to disposal.

Should excavated materials require off-site disposal during the works, the Contractor should ensure that appropriate testing and assessment is undertaken prior to sending the material off-site. If the material is to be disposed of to landfill, the assessment should include waste acceptance criteria testing to determine the appropriate disposal option.

6.7 Updated Conceptual Site Model and Risk Assessment

6.7.1 Introduction

The preliminary CSM (Section 5) has been updated to reflect the findings of the assessments above. Using guidance within CLR11 (Environment Agency and Defra, 2004) and the CIRIA publication *Contaminated Land Risk Assessment: A Guide to Good Practice* (Rudland *et al*., 2001), a risk assessment has been undertaken to assess the significance of each PPL within the updated CSM using guidance within Table 6.15, Table 6.16 and Table 6.17 below.

An updated CSM has been prepared for both the current site use and future site use, taking into account the development proposals for the site.

The CSMs take into consideration the contaminant concentrations recorded when assessing the 'severity' of the risk. The CSMs also take into consideration the construction proposals, as understood at the time of writing, to identify PPLs that may exist during construction and following completion of development works.

6.7.2 Current Site Use CSM

The CSM for current site use is intended to show risks to receptors currently using the study area.

Should the development not take place (for example, if the DCO is not granted), the CSM for current site use would be used to outline unacceptable risks, which may require mitigation or remediation.

6.7.3 Future Site Use CSM

The CSM for future site use assesses the risks to receptors during both construction and operation of the Wylfa Newydd Power Station and wider Wylfa Newydd Development Area. Many of these risks would be mitigated by the development proposals themselves; for example, the earthworks required to construct the Power Station would by default remove much, if not all, of the made ground under the Development Platform, and this material would be predominantly placed at depth within landscaped mounds which would break the source-pathway-receptor linkages for many PPLs.

The future CSM assumes that good construction and environmental management practice would be adopted during the works, further details of which are provided within Section 8.

6.7.4 Presentation of CSMs and Qualitative Risk Assessment

The updated CSMs and risk assessment are provided in full within Appendix C. A summary of the linkages which were found to be 'moderate/low risk' or greater are presented in Table 6.18 (current site use) and Table 6.19 (future site use). These are the linkages requiring further action or remedial action – referred to as relevant pollutant linkages (RPLs). These RPLs are assigned ID numbers, prefixed with either a 'C' for current site use or an 'F' for future site use.

Refer to Appendix C for all PPLs, including those assessed as 'low risk or 'very low risk', which require no specific mitigation and/or remediation.

Reference should be made to Sections 7 and 8 for remedial requirements, which also outline the anticipated good construction and environmental management practices that would be adopted on-site and which have been used in the preparation of the CSMs.

As with all contamination investigation and risk assessment, there is potential during the works to encounter additional contamination sources (e.g. sheep dips, cess pits or residential fuel storage or other areas of localised contamination) or conditions which are different to those assessed.

As discussed within Section 4.1.11, a leak of hydrocarbons has taken place from a SPEN oil-filled cable. Given that investigation and remedial works to mitigate the SPEN hydrocarbon leak have been completed separately, this has not been considered as part of the CSM.

Table 6.14 : Risk ratings

Risk matrix		Consequence of occurrence (severity)			
		Severe	Medium	Mild	Minor
Probability (likelihood)	High likelihood	Very high	High	Moderate	Moderate/low
	Likely	High	Moderate	Moderate/low	Low
	Low likelihood	Moderate	Moderate/low	Low	Very low
	Unlikely	Moderate/low	Low	Very low	Very low

Table 6.15 : Classification of consequence

Classification	Human health	Controlled waters	Buildings/services	Crops/livestock
Severe	Short-term (acute) risk to human health. Concentrations present likely to result in "significant harm" as defined by Part 2A.	Substantial pollution of water resources such that 'significant pollution' or 'significant possibility of pollution' of controlled waters as defined by Part 2A is being caused.	Catastrophic damage to buildings, structures or the environment, including building collapse.	Major damage or harm to crops/livestock, which is likely to result in irreversible or substantial adverse change.
Medium	Chronic damage to human health. Concentrations present that could result in significant harm.	Pollution of water resources such that there is a measurable (but not significant) reduction in water resources compared to the WQS.	Significant damage to buildings, structures or the environment making it unsafe to occupy, or damage that may impair a scheduled ancient monument.	Significant damage or harm to crops/livestock that could endanger the long-term functioning of the asset.
Mild	Slight short-term health effects to humans. Exposure to human health unlikely to lead to significant harm.	Measureable reduction in water quality compared to baseline.	Minor damage to sensitive buildings, structures, services or the environment.	Minor or short-lived damage or harm to crops/livestock.
Minor	Non-permanent health effects to human health (easily prevented by means such as personal protective clothing, etc.)	Insubstantial pollution to water resources compared to baseline.	Easily repairable effects of damage to buildings or structures	Insignificant damage or harm to crops/scheme.

Table 6.16 : Classification of consequence (Rudland et al., 2001)

Classification	Definition
High likelihood	There is a pollution linkage and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution.
Likely	There is a pollutant linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low likelihood	There is a pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period that such an event would take place, and is even less likely in the shorter term.
Unlikely	There is a pollution linkage but circumstances are such that it is improbable that an event would occur even in the very long term.

Table 6.17 : Risk rating definitions

Risk	Risk description
Very high	There is a high likelihood of the event occurring and having severe consequences. If the risk is realised, it is likely to result in a substantial liability.
High	It is likely that an event with medium or even severe consequences could arise. If the risk is realised, it may result in a substantial liability.
Moderate	It is possible that an event could occur and it is either unlikely and consequences may be severe or, if it were to occur, it is likely that consequences would be relatively mild. Investigation would normally be required to clarify the risk and determine the potential liability.
Low risk	It is possible that an event could occur but it is likely that the consequences would be at worst mild.
Very low	It is unlikely that an event could occur, and if it happened the consequences are likely to be at worst mild.

Table 6.18 : Pollutant linkages assessed as moderate/low risk and greater (Relevant pollutant linkages) - Current site use

RPL No.	Source	Potential contaminants	Pathway	Receptor	Consequence of occurrence	Likelihood of occurrence	Potential significance (risk)
C002	Groundwater beneath Wylfa Newydd Development Area (excluding APC7 and APC9 which are assessed separately)	Elevated metals (various including widespread manganese and iron), inorganics (including widespread nitrate and ammoniacal nitrogen), Biological Oxygen Demand and Chemical Oxygen Demand. Sporadic exceedances of other determinands, including TPHs. Remainder of contaminant concentrations are generally not elevated against WQS.	Groundwater flow into surface water receptors	Surface waters	Medium	Low likelihood	Moderate/ low
C006	Soils and groundwater within APC7 – sump \ valve chamber area	Elevated TCE and associated breakdown products – maximum concentration in groundwater is 1,100µg/l. Maximum concentration in soil is 0.7µg/kg. Elevated PAHs above GAC at OT503A (west face).	Leaching of contaminants into groundwater	Groundwater beneath the site	Medium	Likely	Moderate
C007			Surface runoff and/or transportation via drainage and groundwater	Surface waters	Medium	Likely	Moderate
C011	Soils and groundwater within APC7 – Observation Trench OT613 area	Hydrocarbons (visual and olfactory indicators). Maximum concentration in soil is 1,130mg/kg. Further investigation in the vicinity of OT613 during the DOnGI did not indicate any visual evidence of hydrocarbon contamination.	Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Medium	Likely	Moderate
C012			Surface runoff and/or transportation via drainage and groundwater	Surface waters	Medium	Low likelihood	Moderate/ low

RPL No.	Source	Potential contaminants	Pathway	Receptor	Consequence of occurrence	Likelihood of occurrence	Potential significance (risk)
C013	Soils and groundwater within APC7 (and potentially also APC7a) – Area of waste material containing asbestos and lead	Lead concentrations above the Commercial/ Industrial and Open Space end use GACs in TP700/1 (3,190mg/kg) and above Public Open Space GAC in TP800/26 (1,970mg/kg). Leachable contaminants (copper, zinc, lead, manganese and TPHs) above the screening criteria (EQS/DWS).	Inhalation, ingestion and dermal contact	Current site users	Medium	High likelihood	High
C015			Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Medium	Likely	Moderate
C016			Surface runoff and/or transportation via drainage and groundwater	Surface waters	Medium	Likely	Moderate
C017		Asbestos (chrysotile and amosite fibres) present in the form of loose fibres or contained within cement, board or insulating material. Recorded at BH617R (IOnGI) and TP700/01, TP700/02, TP800/25, TP800/26 and TP800/27 (DOnGI) and PC7TP01, PC7TP03 and PC7TP04 (2015 GI).	Inhalation	Current site users	Medium	High likelihood	High
C022	Soils and groundwater within APC9 – SMBH14 and BH858 area	Free product, elevated hydrocarbons, phthalate and manganese within groundwater	Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Medium	Likely	Moderate
C023			Surface runoff and/or transportation via drainage and groundwater	Surface waters	Medium	Likely	Moderate

RPL No.	Source	Potential contaminants	Pathway	Receptor	Consequence of occurrence	Likelihood of occurrence	Potential significance (risk)
C026	Soils within APCs	Metals and other inorganics Organics (hydrocarbons/PAHs/ (S)VOCs)	Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Mild	Likely	Moderate/low
C027			Surface runoff and/or transportation via drainage	Surface waters	Mild	Likely	Moderate/low
C028		Asbestos - sporadic occurrences of chrysotile asbestos, refer to report (asbestos not detected in APC15 or APC18 to date and no information available on APC20 but has the potential to be present in made ground)	Inhalation	Current site users	Medium	Likely	Moderate
C044	Soils and groundwater within APC16 (off-site)	Metals and other inorganics Organics (hydrocarbons / PAHs/(S)VOCs)	Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Medium	Likely	Moderate
C045			Surface runoff and/or transportation via drainage	Surface waters	Medium	Likely	Moderate

Table 6.19 : Pollutant linkages assessed as moderate/low risk and greater (Relevant pollutant linkages) - Future site use (construction and operation)

RPL No.	Source	Potential contaminants	Pathway	Receptor	Consequence of occurrence	Likelihood of occurrence	Potential significance (risk)
F004	Groundwater beneath Wylfa Newydd Development Area (excluding APC7 and APC9 which are assessed separately)	Elevated metals (various including widespread manganese and iron), inorganics (including widespread nitrate and ammoniacal nitrogen) Biological Oxygen Demand and Chemical Oxygen Demand. Sporadic exceedances of other determinands, including TPHs. Remainder of contaminant concentrations are generally not elevated against WQS.	Groundwater flow into surface water receptors	Surface waters	Medium	Low likelihood	Moderate /low
F006	Soils and groundwater within APC7 – sump\valve chamber area	Elevated TCE and associated breakdown products – maximum concentration in groundwater is 1,100µg/l. Maximum concentration in soil is 0.7µg/kg. Elevated PAHs above GAC at OT503A (west face)	Inhalation, ingestion and dermal contact	Construction workers	Medium	High likelihood	High
F008				Future agricultural workers	Medium	Low likelihood	Moderate/ low
F009			Wind-blown migration of dust	Nearby residents and adjacent land users	Medium	Low likelihood	Moderate/ low
F011			Leaching of contaminants into groundwater	Groundwater beneath the site	Medium	Likely	Moderate
F012			Surface runoff and/or transportation via drainage and groundwater	Surface waters	Medium	Likely	Moderate

RPL No.	Source	Potential contaminants	Pathway	Receptor	Consequence of occurrence	Likelihood of occurrence	Potential significance (risk)
F014	Soils and groundwater within APC7 – observation trench OT613 area	Hydrocarbons (visual and olfactory indicators). Maximum concentration in soil is 1,130mg/kg. Further investigation in the vicinity of OT613 during the DOnGI did not indicate any visual evidence of hydrocarbon contamination.	Inhalation, ingestion and dermal contact	Construction workers	Mild	High likelihood	Moderate
F019			Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Medium	Likely	Moderate
F020			Surface runoff and/or transportation via drainage and groundwater	Surface waters	Medium	Likely	Moderate
F022	Soils and groundwater within APC7 (and potentially also APC7a) – Area of waste material containing asbestos and lead	Lead concentrations above the Commercial/ Industrial and Open Space end use GACs in TP700/1 (3,190mg/kg) and above Public Open Space GAC in TP800/26 (1,970mg/kg). Leachable contaminants (copper, zinc, lead, manganese and TPHs) above the screening criteria (EQS/DWS).	Inhalation, ingestion and dermal contact	Construction workers	Medium	High likelihood	High
F024				Future agricultural workers	Medium	Low likelihood	Moderate/ low
F025			Wind-blown migration of dust	Nearby residents and adjacent land users	Medium	Low likelihood	Moderate/ low
F026			Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Medium	Low likelihood	Moderate/ low
F027			Surface runoff and/or transportation via drainage and groundwater	Surface waters	Medium	Low likelihood	Moderate/ low

RPL No.	Source	Potential contaminants	Pathway	Receptor	Consequence of occurrence	Likelihood of occurrence	Potential significance (risk)
F029	Soils and groundwater within APC7 (and potentially also APC7a) – Area of waste material containing asbestos and lead	Asbestos (chrysotile and amosite fibres) present in the form of loose fibres or contained within cement, board or insulating material. Recorded at BH617R (IOnGI) and TP700/01, TP700/02, TP800/25, TP800/26 and TP800/27 (DOnGI) and PC7TP01, PC7TP03 and PC7TP04 (2015 GI).	Inhalation	Construction workers	Medium	High likelihood	High
F031				Future agricultural workers	Medium	Low likelihood	Moderate/low
F032			Wind-blown migration of dust followed by inhalation	Surrounding land users (residential) – existing and future	Medium	Low likelihood	Moderate/low
F033	Soils and groundwater within APC9 – SMBH14 and BH858 area	Free product, elevated hydrocarbons, phthalate and mercury within groundwater	Inhalation, ingestion and dermal contact	Construction workers	Medium	Likely	Moderate
F037			Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Medium	Likely	Moderate
F038			Surface runoff and/or transportation via drainage and groundwater	Surface waters	Medium	Likely	Moderate
F040	Soils within APCs	Metals and other inorganics Organics (hydrocarbons/PAHs/ (S)VOCs)	Inhalation, ingestion and dermal contact	Construction workers	Mild	Likely	Moderate/ low

RPL No.	Source	Potential contaminants	Pathway	Receptor	Consequence of occurrence	Likelihood of occurrence	Potential significance (risk)
F047		Asbestos - sporadic occurrences of chrysotile asbestos, refer to report (asbestos not detected in APC15 and APC18 to date and no information available on APC20 but has the potential to be present in made ground but has the potential to be present in made ground)	Inhalation	Construction workers	Medium	Likely	Moderate
F049				Future agricultural workers	Medium	Low likelihood	Moderate/ low
F050			Wind-blown migration of dust	Nearby residents and adjacent land users	Medium	Low likelihood	Moderate/ low
F077	Soils and groundwater within APC16 (off-site)	Metals and other inorganics Organics (hydrocarbons/PAHs/ (S)VOCs)	Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Medium	Likely	Moderate

7. Remediation Options Appraisal

7.1 Introduction and Summary of Relevant Pollutant Linkages

As identified within Table 6.18 and Table 6.19, a number of unacceptable (relevant) pollutant linkages, referred to as RPL have been identified which are considered to require further action and/or remediation to break the linkage or modify them to an acceptable (low or very low) level of risk. This remedial options appraisal has been undertaken following the process outlined within CLR11 (Environment Agency and Defra, 2004) and each criterion (e.g. sustainability, cost, effectiveness, duration) has been weighted equally. Reference should be made to Section 8 where differences between the most appropriate remedial options identified by the options appraisal and the final remediation strategy are discussed.

A summary of RPL receptors at risk from each of the identified contaminant source areas is provided below for current site use (Table 7.1) and future site use (Table 7.2).

A number of RPL relate to risks to construction workers, as identified in Appendix C. These primarily relate to the exposure of workers to contaminated soil and groundwater during construction works. Due to the need to undertake significant earthworks and excavations to facilitate the construction of the Power Station, it is not possible to 'design out' potential risks to workers, for example by retaining contaminated material *in situ*. As a result, it would be necessary to reduce or control risks to construction workers on-site. Risks should be assessed by the Contractor undertaking the works and can be mitigated by adoption of appropriate construction techniques to minimise exposure to contamination and use of Personal Protective Equipment suitable for the contamination identified. As it is assumed that the Contractor and Horizon would fulfil all of their obligations under the *Construction (Design and Management) Regulations 2015* during the works, risks to construction workers are not considered further in the remediation options appraisal, although some further information and discussion is provided within Section 8.1.1.

With regards to RPLs identified in APC6, APC7a and APC20, no ground investigation information is available upon which to base a remediation options appraisal. Recommended further actions for these APCs are presented in Section 8.2.7.

7.1.1 Current Site Use

Table 7.1: Summary of RPL - Current site use

RPL No.	Contaminant source/Area	Unacceptable risks to:			
		Human health?	Controlled waters?	Buildings and services?	Crops and livestock
C002	Groundwater beneath Wylfa Newydd Development Area (excluding APC7 and APC9)	No	Yes	No	No
C006, C007	Soils and groundwater within APC7 – sump/valve chamber area –TCE and PAH contamination	No	Yes	No	No
C011, C012	Soils and groundwater within APC7 – observation trench OT613 area – TPH contamination	No	Yes	No	No
C013, C015, C016, C017	Soils and groundwater within APC7 – area of waste material – asbestos and lead contamination and various leachable contaminants above WQS	Yes	Yes	No	No

RPL No.	Contaminant source/Area	Unacceptable risks to:			
		Human health?	Controlled waters?	Buildings and services?	Crops and livestock
C022, C023	Soils and groundwater within APC9 – SMBH14 and BH858 – TPH contamination (and elevated phthalate and manganese within groundwater)	No	Yes	No	No
C026, C027, C028	Soils within remainder of APCs – various isolated exceedances of GAC/WQS including leachable contamination and sporadic asbestos detections	Yes	Yes	No	No
C044, C045	Soils and groundwater within APC16 (off-site) – contaminants associated with fuel station	No	Yes	No	No

As demonstrated above, identified unacceptable risks based on current site use are primarily related to controlled waters receptors – these risks are all classified as moderate or moderate/low (refer to Table 6.18). The only identified high risks are to human health from asbestos within the APC7 area of waste material (including risk from lead also), although sporadic occurrences of asbestos elsewhere on-site represent a moderate risk to receptors.

There are no identified unacceptable risks to buildings and services or to crops and livestock based on current site use.

For the purposes of this RA/RS report, it is assumed that development will take place. Accordingly, RPLs for current site use are not considered further within this report. Should the SPC Proposals and/or Wylfa Newydd Project not receive approval to proceed, these RPLs would require further consideration.

It is considered unlikely that the moderate or moderate/low risks to controlled waters identified would warrant physical remediation works if the site were to remain undeveloped, as the cost/benefit outcome of undertaking these works is unlikely to be favourable. The risks from asbestos, especially within the APC7 area of waste, would likely require some form of intervention – either source removal or pathway modification (e.g. capping or preventing access) to minimise the risks to those using the site. Proposals for remediation (or otherwise) of the above identified RPLs would need to be agreed with the appropriate regulator.

7.1.2 Future Site Use

Table 7.2 : Summary of RPL - Future site use (construction and operation of Power Station Site)

RPL #	Contaminant source/area	Unacceptable risks to:			
		Human health? *	Controlled waters?	Buildings and services?	Crops and livestock
F004	Groundwater beneath Wylfa Newydd Development Area (excluding APC7 and APC9)	No	Yes	No	No
F008, F009, F011, F012	Soils and groundwater within APC7 – sump/valve chamber area – TCE and PAH contamination	Yes	Yes	No	No

RPL #	Contaminant source/area	Unacceptable risks to:			
		Human health? *	Controlled waters?	Buildings and services?	Crops and livestock
F019, F020	Soils and groundwater within APC7 – observation trench OT613 area – TPH contamination	No	Yes	No	No
F024, F025, F026, F027, F031, F032	Soils and groundwater within APC7 - area of waste material – asbestos and lead contamination and various leachable contaminants	Yes	Yes	No	No
F037, F038	Soils and groundwater within APC9 – SMBH14 and BH858 – TPH contamination (and elevated phthalate and manganese within groundwater)	No	Yes	No	No
F049, F050	Soils within remainder of APCs – sporadic asbestos detections	Yes	No	No	No
F077	Soils and groundwater within APC16 (off-site) – contaminants associated with fuel station	No	Yes	No	No

* Excluding risks to construction workers as discussed above.

The majority of RPLs identified for future site use are for controlled waters receptors, although all are of moderate or moderate/low risk (refer to Table 6.19 for details). Risks to human health (excluding construction workers, as discussed above) are also all moderate or moderate/low, and these relate to future agricultural users or nearby residents.

There are no unacceptable risks identified to the site workers of the Power Station (risks would effectively be mitigated by the presence of hardstanding cover and removal of made ground during construction works within this part of the site). There are also no identified unacceptable risks to buildings and services or to crops and livestock.

7.2 Identification of Feasible Remediation Options

7.2.1 Remediation Objectives

In order to determine feasible remediation options, the broad remedial objectives must be set – these are outlined below.

- Soils remaining *in situ* are to be suitable for end-use:
  - Commercial/Industrial end-use in the Power Station Site area; and
  - Public Open Space/Agricultural end-use in the agricultural/landscape mound areas.
- Soils excavated and reused elsewhere on-site are to be suitable for end-use:
  - Commercial/Industrial end-use in the Power Station Site area; and
  - Public Open Space/Agricultural end-use in the agricultural/landscape mound areas.
- Soils beneath the site (either remaining *in situ* or excavated and reused) are to pose no unacceptable risk to identified controlled waters receptors.
- Groundwater beneath the site (and migrating onto site) is to pose no unacceptable risk to identified human health or controlled waters receptors.

Unacceptable risk is determined as any risk greater than 'low risk', as determined within Table 6.17.

7.2.2 Feasible Remediation Options

Feasible remediation options depend upon the state in which the contamination is present (soil bound, free-phase/product and/or dissolved in groundwater) and the type of contaminant (e.g. metals/inorganics and organics).

In general, remediation options can be split into a number of different approaches, as described below.

- Do nothing/do minimum:
  - e.g. accept and manage the identified risks, undertake monitored natural attenuation (MNA) and continue monitoring groundwater/surface water. Should any unexpected contamination be encountered during the development works, the remedial options would need to be reviewed.
- Source removal:
  - e.g. excavation of contaminated soil, skimming/removal of free product, and removal of tanks/source infrastructure and disposal off-site.
- Source modification:
  - e.g. *in situ* treatment of contaminated soil and groundwater (soil vapour extraction, bioventing, air sparging, chemical oxidation/reduction, etc.), and *ex situ* treatment of contaminated soil and groundwater (biopiles, soil washing, pump and treat of groundwater, etc.) followed by reuse *in situ*.
- Pathway modification:
  - e.g. excavation followed by reuse of soils elsewhere (e.g. in landscaped mounds), placement of capping layer (soil) and installation of cut-off barrier (groundwater).
- Receptor modification:
  - e.g. preventing human (or livestock) access to an area.

Based on the RPLs requiring remediation, feasible remediation options are outlined below in Table 7.3.

Table 7.3 : Feasible remediation approaches

RPL No.	Source	Feasible remediation approaches	Comment
F004	Groundwater beneath Wylfa Newydd Development Area (excluding APC7 and APC9) – various widespread exceedances (generally considered background) and sporadic exceedances of other determinands, including TPH/EPH	Do nothing/minimum Source modification	Contamination concentrations, whilst elevated above some WQSs, are generally considered to represent background concentrations, and the presence of free product (beyond those areas identified above in APC7 and APC9) has not been recorded. Accordingly, large-scale source removal/mediation or pathway-modification remediation approaches are not considered feasible or necessary.
F008, F009, F011, F012	Soils and groundwater within APC7 – sump/valve chamber area – TCE and PAH contamination	Do nothing/minimum (groundwater only) Source removal Source modification Pathway modification	The sump/valve chamber area would need to be excavated during construction works, so a do-nothing/minimum approach is not feasible.

RPL No.	Source	Feasible remediation approaches	Comment
F019, F020	Soils and groundwater within APC7 – observation trench OT613 area – TPH contamination	Do nothing/minimum (groundwater only) Source removal Source modification Pathway modification	This area is proposed to be excavated during construction works, so a do-nothing/minimum approach is not feasible.
F024, F025, F026, F027, F031, F032	Soils and groundwater within APC7 – area of waste material – lead and asbestos contamination (and leachable contaminants)	Source removal Source modification	It is understood that this area would need to be excavated during construction works to facilitate construction, so a do-nothing/minimum approach is not feasible.
F037, F038	Soils and groundwater within APC9 – SMBH14 and BH858 area – TPH and benzene, toluene, ethylbenzene and xylenes (BTEX) contamination	Do nothing/minimum Source removal Source modification Pathway modification	The area is above the cooling water outfall tunnels. Construction methodology is not confirmed at the time of writing but would either comprise tunnelling at depth or cut and cover - therefore the degree of ground disturbance during construction is not currently known.
F049, F050	Soils in remainder of Wylfa Newydd Development Area – sporadic asbestos detections	Do nothing/minimum Localised source removal Localised source/pathway modification	In areas where significant excavation is not required as part of the Power Station Site construction, a do-nothing/minimum approach can be considered feasible assuming there is no viable pathway e.g. the asbestos is located at depth, or will be covered by hardstanding. In other areas, localised source removal and modification are considered suitable, but given the size of the Wylfa Newydd Development Area, large-scale source removal/modification are not feasible approaches.
F077	Soils and groundwater within APC16 (off-site) – contaminants associated with fuel station	Do nothing/minimum Pathway modification	Given the source is off-site, source removal/modification approaches are not feasible.

These remediation approaches have been taken forward to identify feasible remediation options, as shown in Table 7.4 below. It should be noted that a great number of remediation technologies and options are currently available. Only industry-proven and widely available options for remediating the identified contaminants of concern have been presented below. These options are evaluated within Section 7.3.

Table 7.4 : Feasible remediation options

No.	Source	Do nothing/minimum	Source removal	Source modification	Pathway modification	Receptor modification
F004	Groundwater under Wylfa Newydd Development Area – various widespread exceedances (generally considered background including ammoniacal nitrogen and nitrate) and sporadic exceedances of other determinands, including TPH	**Groundwater:** Accept and manage risk (including general monitoring during and after construction works) MNA	**Groundwater:** Dewatering during excavation and disposal off-site	**Groundwater:** *In situ* treatment (mixed technologies depending on contaminants) Dewatering during excavation and treat using mixed technologies (depending on contaminants) prior to discharge	N/A	N/A
F008 F009 F011 F012	Soils and groundwater within APC7 – sump/valve chamber area – TCE (groundwater) and PAH (soil) contamination	**Groundwater:** Accept and manage risk (including general monitoring during and after construction works) MNA	**Soil:** Excavation of soils surrounding valve chamber/sump followed by disposal off-site **Groundwater:** Dewatering during excavation and disposal off-site	**Groundwater:** Dewatering during excavation and treat using air stripping (prior to discharge) Dewatering during excavation and treat using granular activated carbon (prior to discharge). Air sparging prior to works	**Soil:** Excavation of soils surrounding valve chamber/sump followed by reuse in landscaped mounds remote from potential receptors	N/A

No.	Source	Do nothing/minimum	Source removal	Source modification	Pathway modification	Receptor modification
F019 F020	Soils and groundwater within APC7 – observation trench OT613 area – TPH contamination	**Groundwater:** Accept and manage risk (including general monitoring during and after construction works) MNA	**Soil:** Excavation of soil followed by disposal off-site **Groundwater:** Dewatering during excavation and disposal off-site	**Groundwater:** Dewatering during excavation and treat using granular activated carbon (prior to discharge)	**Soil:** Excavation of soil followed by reuse in landscaped mounds	N/A
F024 F025 F026 F027 F031 F032	Soils and groundwater within APC7 – area of waste material – lead and asbestos contamination within soil	N/A	**Soil:** Excavation of soil followed by disposal off-site	N/A	**Soil:** Excavation of soil followed by reuse at depth in landscaped mounds	N/A
F037 F038	Groundwater within APC9 – SMBH14 and BH858 area – TPH and BTEX contamination	**Groundwater:** Accept and manage risk (including general monitoring during and after construction works) MNA	**Groundwater:** Dewatering during excavation (if required) and disposal off-site	**Groundwater:** Dewatering during excavation (if required) and treat using granular activated carbon	N/A	N/A

No.	Source	Do nothing/minimum	Source removal	Source modification	Pathway modification	Receptor modification
F049 F050	Soils in remainder of Wylfa Newydd Development Area – sporadic asbestos detections	**Soil:** Accept and manage risk (where no excavation required as part of general earthworks)	**Soil:** Excavation of soil followed by disposal off-site (where asbestos encountered)	N/A	**Soil:** Excavation of affected soil followed by reuse at depth within landscaped mounds	N/A
F077	Soils and groundwater within APC16 (off-site) – contaminants associated with fuel station	**Groundwater:** Accept and manage risk (including general monitoring during and after construction works) Undertake further monitoring (and risk assessment where required)	N/A	N/A	N/A	N/A

7.3 Evaluation of Remediation Options

7.3.1 Introduction

The feasible remediation options identified within Table 7.4 for each of the RPL groups are evaluated within this section to determine the preferred remediation strategy. As defined by CLR11 (Environment Agency and Defra, 2004), the evaluation considers five key aspects related to the proposed remediation option: effectiveness, practicality, cost, sustainability and duration and assigns scores to each aspect based on professional judgement.

The evaluation criteria adopted are outlined below. Each criterion is scored from 1 to 5, with a maximum possible score of 25.

- Effectiveness of remediation option: 1 = ineffective to 5 = very effective
- Practicality: 1 = not easily completed to 5 = easily completed
- Cost: 1 = very costly to 5 = not costly
- Sustainability: 1 = not sustainable/bad for the environment to 5 = very sustainable/environmentally friendly
- Duration: 1 = long duration to 5 = short duration

Remediation options with higher scores are more favourable than those with reduced scores. As mentioned in Section 7.1, an equal weighting has been applied to each of the evaluation criteria, although this does not necessarily reflect project-specific criteria which are beyond the control of Jacobs (e.g. whether duration is considered more important than cost). The assessment also does not consider ongoing liabilities – for example Horizon may wish to remove contaminated soils from site rather than reuse them in order to avoid future liabilities if/when land use is changed again. Reference should be made to Section 8 where differences between the remedial options recommended by Jacobs and the remediation strategy to be adopted by Horizon are discussed.

The preferred remediation strategy may comprise a combination of remediation options and is based on the severity of the contamination and the identified risk.

7.3.2 Groundwater beneath the Wylfa Newydd Development Area (excluding APC7 and APC9)

Groundwater beneath the majority of the study area (i.e. excluding identified contamination areas within APC7 and APC9) has been found to have widespread exceedances of metals (notably manganese) and other inorganics (notably nitrate and ammoniacal nitrogen). Elevated hydrocarbons and other contaminants have also been sporadically detected, although no gross contamination has been recorded.

These exceedances are attributed, partially at least, to naturally high background concentrations and agricultural activities within the area.

RPL F004 (Groundwater under Wylfa Newydd Development Area – various widespread exceedances) has been identified linking the groundwater to surface water receptors and has been risk assessed as moderate/low.

An evaluation of the remediation options for this area is presented below.

Table 7.5 : Evaulation of remediation options for groundwater under remainder of Wylfa Newydd Development Area

Remediation option	Effectiveness	Practicality	Cost	Sustainability	Duration	Total score
Groundwater						
Manage and accept risk (including monitoring during and after construction)	1	5	5	3	1	15
MNA (long-term monitoring)	2	3	4	3	1	13
Dewatering during excavation and disposal off-site	4	1	1	1	4	11
Dewatering during excavation and treat using mixed technologies (depending on contaminants) prior to discharge	3	1	2	4	3	13
In situ treatment (various technologies depending on contaminants)	3	1	2	2	3	11

As outlined above, it is considered that the preferable remediation option for this RPL is to **manage and accept risk**. Given the contamination identified has largely been attributed to background concentrations and agricultural activities (excepting isolated exceedances of hydrocarbons and other contaminants), any 'active' remediation option would not be considered practical, cost-effective or sustainable.

It is recommended that baseline groundwater monitoring should continue and monitoring should also be undertaken during and after the construction phase as appropriate to provide surety that risks to receptors have not increased during works.

Should contamination that may pose a risk to controlled waters be identified during the works, the preferred remediation option should be reconsidered.

7.3.3 Soils and Groundwater within APC7 – Sump/Valve Chamber Area

This area is present within the footprint of the Power Station Site and accordingly would be subject to significant earthworks required to level the site. As part of these works, the sump/valve structure would need to be removed.

Investigation to date has identified only limited contamination within surrounding soils (isolated PAH exceedances of GAC) with TCE concentrations recorded as low and below the GAC. TCE concentrations within groundwater have varied but have generally not been significantly elevated since initial investigation by Enviros (Enviros, 2009).

RPLs F008 and F009 (Soils and groundwater within APC7 – sump/valve chamber area – TCE (groundwater) and PAH (soil) contamination) have been identified linking contamination to future agricultural workers and nearby residents/adjacent land uses. These have been risk assessed as moderate/low. RPLs F011 and F012, linking the contamination to groundwater and surface water receptors, have been assessed as moderate risk.

An evaluation of the remediation options for this area is presented below in Table 7.6 and the subsequent text.

Table 7.6 : Evaulation of remediation options for APC7 sump and valve chamber area

Remediation option	Effectiveness	Practicality	Cost	Sustainability	Duration	Total score
Soil						
Excavation of soils surrounding valve chamber/sump followed by disposal off-site	5	5	2	1	5	18
Excavation of soils surrounding valve chamber/sump followed by reuse in landscaped mounds	5	4	5	4	5	23
Groundwater						
Accept and manage risk (including general monitoring during construction works)	1	5	5	3	1	15
MNA (long-term monitoring)	2	1	4	3	1	11
Dewatering during excavation and disposal off-site	4	3	1	1	4	13
Dewatering during excavation and treatment using air stripping (prior to discharge)	4	3	2	4	3	16
Dewatering during excavation and treatment using granular activated carbon (prior to discharge)	4	3	3	4	3	17
In situ treatment (prior to works)	2	3	2	4	2	13

As outlined above, it is considered that the preferable remediation option for the soil present in this area is **excavation followed by reuse in the landscaped mounds**. Whilst isolated PAH exceedances have been identified within the soils, placement in the landscaped mounds (provided it is not within upper 1.0m – see Section 8.2.2 for explanation) is considered suitable to break the linkage to the identified receptor. All soils to be reused should be proven 'suitable for use', including being protective of controlled waters, although the landscaped mounds would serve to reduce infiltration of contaminants to underlying groundwater. Reference should be made to Section 8 for details of proposed 'suitable for use' criteria.

The preferred remediation option for the TCE contaminated groundwater is **dewatering during excavation and treatment using granular activated carbon** (a widely available remediation technique) followed by discharge to drainage once discharge limits have been met. Reference should be made to Section 8 for details of proposed 'discharge limits'. Wider treatment (i.e. a pump-and-treat scheme) is not considered warranted given the concentrations recorded and the risk identified to receptors, and any MNA scheme would not be possible, given much of the area would be excavated and given the length of time required.

It is recommended that baseline groundwater monitoring should continue and monitoring should also be undertaken during and after the construction phase, where feasible, to provide surety that risks to receptors have not increased during works.

Should additional contamination be identified during the works, the preferred remediation option should be reconsidered.

7.3.4 Soils and Groundwater within APC7 – OT613 Area

This area is present within the footprint of the Power Station Site and, accordingly, would be subject to significant earthworks required to prepare the site for construction. As part of these works, the soil would need to be removed.

Investigation of OT613 identified visual and olfactory evidence of hydrocarbon contamination (oily sheen on groundwater and hydrocarbon odour), although chemical analysis of soils has recorded concentrations below GAC. Investigation undertaken in proximity to OT613 during the DOnGI did not identify contamination. RPLs F019 and F020 (Soils and groundwater within APC7 – observation trench OT613 area – TPH contamination) have been identified linking the contamination to groundwater and surface water receptors. These have been assessed as moderate risk.

An evaluation of the remediation options for this area is presented below in Table 7.7 and the subsequent text.

Table 7.7 : Evaulation of remediation options for APC7 OT613 area

Remediation option	Effectiveness	Practicality	Cost	Sustainability	Duration	Total score
Soil						
Excavation of soils followed by disposal off-site	5	5	2	1	5	18
Excavation of soils followed by reuse in landscaped mounds	5	4	5	4	5	23
Groundwater						
Accept and manage risk (including general monitoring during construction works)	3	5	5	3	1	17
MNA	3	3	3	3	1	13
Dewatering during excavation and disposal off-site	4	3	1	1	4	13
Dewatering during excavation and treat using granular activated carbon (prior to discharge)	4	2	3	4	3	16

As outlined above, it is considered that the preferable remediation option for the non-visually impacted soil present in this area is **excavation followed by reuse in the landscaped mounds**. Whilst isolated visual/olfactory evidence of contamination has been identified within the soils, soils where hydrocarbon concentrations have been recorded below GAC for human health would be suitable for placement in the landscaped mounds with regards to risk to future agricultural workers.

Any material visually impacted by hydrocarbons should be segregated and disposed of off-site, as the GAC are not applicable where free phase hydrocarbons are present, and therefore it is not possible to undertake a robust assessment of suitability for reuse. It is therefore recommended that, in order to meet the requirements of the CL:AIRE Code of Practice (CL:AIRE, 2011) regarding suitability, material that is visually impacted by hydrocarbons should be isolated and sent for disposal off-site, as, while it may not pose a quantifiable risk to receptors, it is likely to be visually unacceptable for reuse in the landscaped areas.

All soils to be reused should be proven 'suitable for use', including being protective of controlled waters, although the landscaped mounds would serve to reduce infiltration of contaminants to underlying groundwater. Reference should be made to Section 8 for details of proposed 'suitable for use' criteria.

Despite the visual indicator of hydrocarbon contamination on perched groundwater, chemical analysis in the area has not indicated gross contamination, and so no specific groundwater remediation is proposed (**manage and accept risk**).

It is recommended that baseline groundwater monitoring should continue, and monitoring should also be undertaken during and after the construction phase, as appropriate, to provide surety that risks to receptors have not increased during works.

Should additional contamination be identified during the works, the preferred remediation option should be reconsidered.

7.3.5 Soils and Groundwater within APC7 – Area of Waste Material

This area is present within the Power Station Site adjacent to the Marine Off-Loading Facility and, accordingly, would be subject to significant earthworks required to prepare the site. As part of these works, some (if not all) of the surrounding soil would be removed.

Investigation to date has identified the presence of waste material (predominantly construction-related waste), including a number of detections of asbestos and ACM. Two samples have been identified which exceed the GAC for lead. Groundwater has not been encountered within the made ground and specific groundwater remediation is not proposed, although leachable concentrations of various contaminants above the WQS have been recorded within the soil.

RPLs F024 and F025 have been identified linking the contamination with future agricultural workers and nearby residents/adjacent land users, and RPLs F026 and F027 have been identified for surface water/groundwater receptors.

An evaluation of the remediation options for this area is presented below in Table 7.8 and the subsequent text.

Table 7.8 : Evaulation of remediation options for APC7 area of waste material

Remediation option	Effectiveness	Practicality	Cost	Sustainability	Duration	Total score
Soil						
Excavation of soils followed by disposal off-site	5	4	1	1	5	16
Excavation of soils followed by reuse in landscaped mounds	4	3	4	4	5	20

As outlined above, it is considered that the preferable remediation option for the soil present in this area is **excavation followed by reuse in the landscaped mounds**. Whilst isolated lead exceedances and asbestos detections have been identified within the soils, placement in the landscaped mounds (provided not within upper 1.0m) is considered suitable to break the linkage to the identified receptor.

As discussed in Section 6.2.3, asbestos air monitoring during intrusive works of the 2015 GI demonstrated that background fibre concentrations remained below detection during the excavation works. The works required to move the soil from its current position to the landscaped mounds would have to be undertaken with similar due consideration to the potential liberation of fibres, but it is considered that with appropriate mitigation measures

the work can be completed safely and with minimal risk. Costs and practicality are reduced for this area in comparison with other areas given these requirements.

All soils to be reused should be proven 'suitable for use', including being protective of controlled waters, although the landscaped mounds would serve to reduce infiltration of contaminants to underlying groundwater. Reference should be made to Section 8 for details of proposed 'suitable for use' criteria.

7.3.6 Groundwater within APC9 – SMBH14 and BH858 Area – TPH and BTEX Contamination

The proposed cooling water outfall tunnels will pass through this area. Investigation to date has identified intermittent hydrocarbon, BTEX and phthalate contamination in SMBH14 and BH858, including occasional presence of free product (LNAPL).

RPLs F037 and F038 have been identified linking contamination with surface water and groundwater receptors. These risks have both been assessed as moderate.

An evaluation of the remediation options for this area is presented below in Table 7.9 and the subsequent text.

Table 7.9 : Evaulation of remediation options for APC9 SMBH14 area

Remediation option	Effectiveness	Practicality	Cost	Sustainability	Duration	Total score
Groundwater						
Accept and manage risk (including general monitoring during construction works)	3	5	5	3	1	17
MNA	3	4	3	3	1	14
Dewatering during excavation (if required) and disposal off-site	4	2	1	1	4	12
Dewatering during excavation (if required) and treat using granular activated carbon	3	2	3	4	3	15

Although there is intermittent presence of free phase hydrocarbons and hydrocarbon exceedances of the WQS, it is considered that the conditions recorded do not warrant physical intervention and the most appropriate remedial option is to **accept and manage risk**, including continued baseline and construction phase monitoring of boreholes within the area to improve the dataset (including monitoring after the construction phase where necessary).

Should additional contamination be identified during the monitoring programme, the preferred remediation option should be reconsidered.

7.3.7 Soils in Remainder of Wylfa Newydd Development Area

Within the remainder of the study area (i.e. excluding the parts of APC7 and APC9 discussed above) identified contamination concentrations are low, with no exceedances of relevant GAC and only sporadic occurrences of asbestos in some APCs.

Whilst exceedances of the (conservative) WQS have been recorded within soil leachate, the samples recording the elevated concentrations have been obtained from both made ground and natural samples indicating, at least partially, naturally high background concentrations of a certain number of contaminants on-site (refer to Section 6.3 for details).

RPLs F047, F049, F050 and F059 have been identified as linking the sporadic asbestos contamination to future agricultural workers and nearby residents/adjacent land users. The risks have been assessed as moderate/low.

An evaluation of the potential remediation options is presented below in Table 7.10 and the subsequent text, separated for areas where excavation is required as part of the currently proposed construction works (i.e. in areas within the proposed Power Station Site) and areas where excavation is not currently proposed.

Table 7.10 : Evaulation of remediation options for soils within remainder of Wylfa Newydd Development Area

Remediation option	Effectiveness	Practicality	Cost	Sustainability	Duration	Total score
Soil in areas of earthworks (e.g. within the Wylfa Newydd Development Area)						
Localised excavation of identified exceedances followed by disposal off-site	5	4	1	1	5	16
Localised excavation of identified exceedances followed by reuse within landscaped mounds	4	4	4	5	3	20
Soil in areas where no earthworks proposed						
Accept and manage risk	3	5	5	5	5	23
Localised excavation of identified exceedances followed by disposal off-site	5	4	1	1	5	16
Localised excavation of identified exceedances followed by reuse within landscaped mounds	4	4	4	5	3	20
Placement of capping layer to prevent exposure to contaminants	3	3	3	4	3	16

As outlined above, it is considered that, where earthworks/excavation works are currently proposed, the preferred remediation option is **reuse of excavated contaminated material within landscaped mounds** following being proven 'suitable for use'. Reference should be made to Section 8 for details of proposed 'suitable for use' criteria. The works required to move the soil from its current position to the landscaped mounds would have to be undertaken with due consideration of it containing asbestos and appropriate construction and environmental management practice should be employed.

Where no significant earthworks are currently proposed, the preferred remediation option is to **accept and manage risk**, i.e. no specific remediation is considered necessary for these RPL given that the soils have been demonstrated to be below GAC.

7.3.8 Soils and Groundwater within APC16 (Off-site Fuel Station) – Hydrocarbon Contamination

An off-site fuel station (APC16) has potential to affect the site if contaminants are migrating onto site. Only limited monitoring has been undertaken to date at RMBH6 (a perimeter monitoring well), which has identified hydrocarbons (178µg/l), although they are not significantly elevated.

RPL F077 has been identified linking contamination with groundwater beneath the site. This has been assessed as moderate risk.

An evaluation of the remediation options for this area is presented below in Table 7.11 and the subsequent text.

Table 7.11 : Evaulation of remediation options for APC16 (Off-site Fuel Station) area

Remediation option	Effectiveness	Practicality	Cost	Sustainability	Duration	Total score
Groundwater						
Accept and manage risk (including general monitoring during construction works)	1	5	5	3	1	15
Undertake further monitoring (and risk assessment where required)	3	4	4	4	1	16

Whilst this RPL is considered unlikely to represent a significant risk, it is considered that the most appropriate remediation option for this off-site source of contamination is continued monitoring of RMBH6 (nearby monitoring borehole), with further investigation and/or risk assessment as appropriate.

Any physical intervention or remediation methodology would not be considered warranted at this stage.

8. Remediation Strategy

8.1 Introduction

With the exception of the strategy provided for soil contaminated with ACM, the remediation strategy for the identified RPL based on the options appraisal undertaken within Section 7 is presented below. The proposals presented for soil contaminated with ACM has been developed by Horizon taking into consideration the findings from the Jacobs assessment discussed within Section 6.2.3, various technical memoranda (Jacobs, 2016a; 2016b; AECOM, 2016) and input from the preferred remediation contractors. It should be noted that Horizon's preferred approach does not correspond fully with the remediation options appraisal set out within Section 7. The deviation is a result of Horizon's preference to undertake some pre-treatment of ACM-contaminated soils to reduce the ACM content prior to placement within the landscaped mounds.

8.1.1 Risks to Construction Workers

As outlined within Section 7, risks to construction workers identified within this report would be assessed and managed by the Contractor prior to undertaking the works.

The potential impacts to construction workers from contaminants in soils and groundwater would be mitigated through the adoption of appropriate health and safety practices. All persons engaged in site construction works should be made aware of the findings of the intrusive investigations and the hazards associated with handling potentially contaminated materials.

8.1.2 Good Construction and Environmental Management Practice

As outlined within the CSM and risk assessment (presented within Appendix C), a number of PPLs have been assessed as 'low' or 'very low' risk. These PPLs do not require specific remediation, but good construction and environmental management practice are recommended to mitigate potential risks.

8.1.3 Soil Handling

Soil handling operations should follow the *Good Practice Guide for Handling Soils* (Ministry of Agriculture, Fisheries and Food, 2000). The aim of this guide is to provide comprehensive advice on soil handling and management to operators, soil moving contractors and others. Each sheet provides detailed information on best practice methods for soil stripping, soil stockpiling, excavation from storage mounds, soil replacement, de-compaction and cultivation using different machinery combinations. The *Construction Code of Practice for the Sustainable Use of Soils on Construction Sites* (Defra, 2009) should also be followed. This guide aims to assist everyone involved in the construction sector with the protection and enhancement of soil resources.

Compliance with this good practice would protect the sustainability of disturbed soils and maximise the potential for their reuse.

8.2 Remediation Actions

The remediation actions set out below are presented per RPL group requiring mitigation.

8.2.1 Groundwater monitoring during and post construction phase

Baseline groundwater monitoring should continue at selected monitoring boreholes during the remediation and (where practicable) at suitable monitoring locations across the site during site-wide construction works to monitor potential impacts of the works on groundwater quality.

8.2.2 Soils and Groundwater within APC7 – Sump/Valve Chamber Area

The recommended remediation for this area is excavation of all sump and valve chamber infrastructure and surrounding soils/made ground/superficial geology within a 5m radius and 1m depth greater than the base of the infrastructure (or to bedrock). Prior to excavation, remnant water/silt within the sump structure should be pumped out and, in accordance with NRW's stated preference, removed from site for disposal. Any groundwater ingress during the excavation works should be pumped and treated/disposed of off-site as appropriate.

Appropriate protocols should be in place to ensure that any excavated material not removed from site is appropriately managed between excavation and placement within the landscape mounds. It is recommended that the material be stored separately from natural soils to reduce the potential for cross-contamination of 'clean' material. The sump and valve chamber infrastructure, and any impacted materials surrounding the structure, should be disposed of off-site as appropriate. Any adjoining pipework (leading to the Existing Power Station) should be removed within the extents of the Wylfa Newydd Development Area and stopped off – this would require co-ordination with the operators of the Existing Power Station.

Soils, made ground and superficial geology excavated from the area immediately around the sump should be suitable for reuse within the landscaped mounds, provided it is determined to be 'suitable for use' in accordance with the CL:AIRE Code of Practice (CL:AIRE, 2011). It is recommended that, as a precaution, this material should be placed at a depth greater than 1m below finished ground levels. According to the report *Cover Systems for Land Regeneration* (Building Research Establishment, 2004), placement of potentially contaminated material at a depth greater than 1.0m beneath finished ground levels should provide suitable protection from mixing that may occur via natural action or as a result of burrowing animals, which (except in extreme circumstances) is limited to the top 600mm of soil.[2]

Reference should be made to Section 4 and Figures 11 to 15 for details of the anticipated ground conditions and made ground types in the area, based on spatial interpolation of ground investigation results. If, during remediation works, material is encountered that does not conform to anticipated conditions, then it may be necessary to undertake additional testing to confirm its suitability for reuse.

8.2.3 Soils and Groundwater within APC7 – OT613

The preferred remediation for the area of hydrocarbon contamination identified at OT613 is a combination of excavation and disposal or excavation and reuse. Any material visually impacted by hydrocarbons should be segregated and disposed of off-site, as the GAC are not applicable where free phase hydrocarbons are present, and therefore it is not possible to undertake a robust assessment of suitability for reuse. According to available laboratory analysis, material excavated from the area that is not visually impacted by hydrocarbons should be suitable for reuse within the landscaped mounds.

It is recommended that the excavation be undertaken within a 5m radius around the area where hydrocarbons were observed (the southwestern part of the trench) and extended to bedrock, with all overlying made ground/soil/superficial geology removed for either disposal or reuse as appropriate.

If olfactory evidence of hydrocarbon contamination is encountered during remediation works, it is recommended that further testing and assessment of the soils take place to ensure that the material is suitable for use. Protocols for dealing with unexpected contamination should be established by the Contractor - refer to Section 8.4 for further details.

Appropriate protocols should be in place to ensure that the excavated material is appropriately managed between excavation and disposal or placement within the landscape mounds. It is recommended that the material be stored separately from natural soils to reduce the potential for cross-contamination of 'clean'

[2] It is noted that the Building Research Establishment report states that cover systems may not be suitable on slopes greater than 1:12 due to a risk of slipping. However, for the purposes of this report, it is assumed that, if the landscape mounds are constructed at a greater steepness, then appropriate measures would be employed within their construction to prevent the slip of surface soils over time.

material. If groundwater ingress occurs during the excavation works, the water should be observed for visual and olfactory indicators of contamination. If hydrocarbon contamination is recorded, the groundwater should be pumped and treated to achieve discharge criteria, or otherwise disposed of off-site.

Reference should be made to Section 4 and Figures 11 to 15 for details of the anticipated ground conditions and made ground types in the area. If, during remediation works, material is encountered that does not conform to anticipated conditions, then it may be necessary to undertake additional testing to confirm its suitability for reuse.

8.2.4 Soils and Groundwater within APC7 – Area of Waste Material and Other Areas of Identified ACM-contaminated Made Ground

The proposed remediation strategy for asbestos-contaminated soils proposed by Horizon is set out below.

Known asbestos hotspots would be excavated under the direct supervision of an Asbestos Specialist. Excavations will continue until all visible asbestos is removed, and appropriate verification testing would be undertaken to confirm remediation has been successful. The excavated material would be transported to a remediation compound established on-site where the material would be handpicked over a conveyor belt for visible asbestos fragments. The purpose of hand picking is to reduce the asbestos within the soils to a level less than 0.1% asbestos (hazardous waste threshold) on a weight for weight (w/w) basis. Once processed, the material would be tested to confirm that it is below the 0.1% threshold. Once confirmed, the material would be removed to a stockpile (located within the remediation compound) where it will be placed on a geomembrane and capped with a membrane and covered with inert material, where it would be stored prior to reuse within the core of the landscaped mounds.

Refer to Figure 20 for known asbestos hotspots that would be subject to the above remediation.

Shallow groundwater is not anticipated within this area; however, if groundwater ingress occurs during the excavation works, the water should be observed for visual and olfactory indicators of contamination. If contamination is observed, the groundwater should be pumped and treated to achieve discharge criteria, or otherwise disposed of off-site.

8.2.5 Groundwater within APC9 – SMBH14 and BH858 Area

Although there is an intermittent presence of free phase hydrocarbons and hydrocarbon exceedances in this area, it is considered that the conditions recorded do not warrant physical intervention, and the most appropriate remedial option is to accept and manage risk, including baseline and construction phase monitoring.

Should additional contamination be identified during the works, the preferred remediation option should be reconsidered.

8.2.6 Soils beneath the Remainder of the Wylfa Newydd Development Area

Based upon the risk assessments completed above, excavated materials from the remainder of the Wylfa Newydd Development Area are generally considered to be suitable for reuse within landscaped mounds.

Given the potential for unexpected or as-yet unidentified contamination, e.g. lead shot and clays containing PAH within the clay pigeon shooting range in APC19 (refer to Figure 5 for location), or additional areas of ACM, the works should be undertaken using good construction and environmental management practice; site operatives should remain vigilant for the potential for unexpected contamination to be encountered.

Reference should be made to Section 4 and Figures 11 to 15 for details of the anticipated ground conditions and made ground types in the area being excavated. If material is encountered that does not conform to anticipated conditions, then it may be necessary to undertake additional testing and assessment to confirm its suitability for reuse.

8.2.7 APC6, APC7a and APC20

No ground investigation information is available to determine whether remedial actions are required in these areas. It is recommended that, prior to any activities which would cause significant ground disturbance taking place, a suitable ground investigation is undertaken. This investigation should be designed to provide information on the nature and extent of any contamination present so that appropriate risk assessments can be undertaken and remediation actions (where required) identified.

8.2.8 Groundwater Entering Site from Nearby APC16 (Off-site Fuel Station)

No remediation of groundwater in this area is proposed at this stage. It is recommended that monitoring continues at nearby perimeter monitoring borehole RMBH6, and at any new monitoring boreholes installed during the upcoming ground investigation to determine baseline conditions (only one sampling event has taken place at this borehole) and risk assessment should be undertaken to determine the actions (if any are required) to be taken.

8.3 Reuse of Excavated Materials – CL:AIRE Code of Practice

It is proposed to reuse as much of the material excavated as part of the earthworks as possible, with the majority of excavated material being placed in the landscaped mounds. Deposition of material would be undertaken in accordance with the protocols established within the CL:AIRE Code of Practice (CL:AIRE, 2011). This would prevent the necessity of disposing materials off-site or having to undertake the works under the *Environmental Permitting (England and Wales) (Amendment) Regulations 2014*.

Use of the CL:AIRE Code of Practice would require the following four factors to be confirmed:

- Factor 1: Protection of human health and protection of the environment.
  - To ensure that the aim of the Waste Framework Directive is not undermined.
- Factor 2: Suitability for use, without further treatment.
  - Material must be suitable for its intended purpose both chemically and geotechnically.
- Factor 3: Certainty of use.
  - The reuse of the material must not just be a probability, but a certainty.
- Factor 4: Quantity of material.
  - Material should only be used in the quantity necessary, no more.

8.4 Unexpected Contamination

In order to address any areas of unexpected contamination encountered either during the remediation works specified above, or as part of the earthworks to be undertaken on-site, processes and procedures should be established that clearly sets out the method for dealing with material that is visually/olfactorily impacted by contamination. There should be specific guidance on addressing areas of potential asbestos or ACMs.

As a minimum, the processes and procedures should include specific methodologies that provide a means of safely managing the unexpected contamination and minimising potential environmental impacts and should cover the following:

- stopping work and notifying the Environmental Supervisor or Environmental Clerk of Works (or similar) when unexpected contamination is encountered;
- isolating the affected area or segregating the affected material (if already excavated), with specific guidance to be provided on the management of any potential ACMs;
- undertaking sampling and assessment of the affected area/material;

- recording of assessment findings and subsequent management of the material within the verification report; and
- liaison with regulators, if necessary.

8.5 Implementation of Remediation

As specified by CLR11 (Environment Agency and Defra, 2004), it would be necessary to prepare a detailed methodology for the design, preparation, implementation, verification, and monitoring and maintenance of the remediation. The methodology should include procedures for verifying the remediation works which includes specifying what information should be obtained and when, during the development of the site, so that a permanent record exists of the remediation actions completed to address the identified RPLs (refer to Section 8.6 for further details).

8.6 Verification

The Contractor should undertake verification of remediation, including obtaining information that provides confirmation the works have been completed in accordance with the agreed Remediation Strategy (this report).

Verification of remediation should be in accordance with the recommendations set out within CLR11 (Environment Agency and Defra, 2004).

9. References

AECOM (2016). *Site Preparation and Clearance Task A: Technical Memorandum – Management of Asbestos Impacted Soils*.

Allott and Lomax (1988). *Wylfa 'B' Power Station Pre-Application Studies – Report on Civil Engineering Aspects*. Three Volumes (Introduction; Geotechnical Report; Civil Engineering Appraisal). Report Ref: VGRA/AEJ/DSK8/286.

Arup (2008). *Nuclear Decommissioning Agency – Wylfa – Preliminary Geotechnical Study*. Report Ref: GeoRepWylfa001.

Atkins (2017). *Wylfa Newydd Nuclear Power Station – Detailed Onshore Ground Investigation. Final Interpretative Ground Investigation Report*. Report Ref: WN02.03.01-ATK-SDT-REP-00001.

Aubert, H and Pinta, M. (1977). *Developments in Soil Science 7: Trace Elements in Soils*. Oxford: Elsevier Science.

British Geological Survey (BGS) (1974). 1:50,000 scale '*Solid and Drift Geology'* Geological Map of Anglesey (Special Sheet 092).

Building Research Establishment (BRE) (2004). *Cover Systems for Land Regeneration. Thickness of Cover Systems for Contaminated Land.* BRE Report 456.

British Nuclear Fuels Limited (BNFL) (2005). *Wylfa Power Station, Preliminary Investigation (Desk Study) of Land Potentially Affected by Contamination*. Report Ref: E&T/REP/WYA/1605/05 Issue A1.

CH2MHill (2014). *Environmental Baseline Conditions Report –Wylfa Newydd Ground Conditions, Hydrology and Hydrogeology*. Report Ref: WYl-HAL-SDT-REP-00013.

Contaminated Land: Applications in Real Environments (CL:AIRE) (2011). *The Definition of Waste: Development Industry Code of Practice*. London: CL:AIRE.

Countryside Council for Wales (1987). *Site of Special Scientific Interest Citation, Anglesey, Tre'r Gof*. [Online] Available at: http://www.ccw.gov.uk/interactive-maps/official-maps-search/official-maps.aspx?sitetype=SSSI&sitecode=0015 [Accessed: 09/09/2015].

Department for Environment, Food and Rural Affairs (Defra) (2009). *Construction Code of Practice for the Sustainable Use of Soils on Construction Sites*. London: Defra.

Department for Environment, Food and Rural Affairs (Defra) (2014). *Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination*. London: Defra.

Department of Energy and Climate Change (2011). *National Policy Statement for Nuclear Power Generation (EN-6)*. London: The Stationery Office.

Department of the Environment (2006). *Code of Practice for the Agricultural Use of Sewage Sludge*. 2nd edition. London: Department for the Environment.

Environment Agency (2006). *Remedial Targets Methodology Hydrogeological Risk Assessment for Land Contamination*. Bristol: Environment Agency.

Environment Agency (2009a). *Updated Technical Background to the CLEA Model*. *Science Report: SC050021/SR3.* Bristol: Environment Agency.

Environment Agency (2009b). *Petroleum Hydrocarbons in Groundwater: Supplementary Guidance for Hydrogeological Risk Assessment*. Bristol: Environment Agency.

Environment Agency (2015a). *What's In Your Backyard?* [Online] Available at: http://apps.environment-agency.gov.uk/wiyby/ [Accessed: 09/09/2015].

Environment Agency (2015b). *Contaminated Land Exposure Assessment Tool* (v1.071). [Online] Available at: https://www.gov.uk/government/publications/contaminated-land-exposure-assessment-clea-tool [Accessed: 22/10/2015].

Environment Agency (2016). *Aquifers*. [Online] Available at: http://apps.environment-agency.gov.uk/wiyby/117020.aspx [Accessed: 13/04/2016].

Environment Agency and Department for Environment, Food and Rural Affairs (Defra) (2004). *Contaminated Land Report 11: Model Procedures for the Management of Land Contamination* (CLR11). Bristol: Environment Agency.

Enviros (2008). *NDA Phase 1 Land Quality Assessment: Non-Operational Landholding at Wylfa Power Station*. Report Ref: NU0160012.

Enviros (2009). *Investigation of Chlorinated Solvent Contamination of Water in Sump Adjacent to Wylfa Site*. Report Ref: WAY/REP/9143.

GeoMôn (2017). *Geology of Anglesey*. [Online] Available at: http://www.geomon.co.uk/01-geology-of-anglesey/4537845817 [Accessed: 18/04/2017].

Groundsure (2015). *Insights Report*, Ordnance Survey Historical Mapping, Report Ref GS-20484891_LS/SS_1.

Halcrow (2009). *Explosive Ordnance Desk Top Study: Wylfa 'B' Power Station, Isle of Anglesey.* ECL/09/10435/DTS/Wylfa B/Rev1.

Halcrow (2010). *Wylfa New Build Power Station – Interpretative Report on 2009 Preliminary Site Investigation*. Report Ref: D005 Rev2.

Halcrow (2012a). *Wylfa New Build Power Station – Contaminated Land Desk Study and Initial Risk Assessment*. Version 1.2. Report Ref: D002.

Halcrow (2012b). *Wylfa New Build – Intermediate Onshore Ground Investigation (IOnGI) Geotechnical Interpretative Report. Report* Ref: TQHOWA007 Version 1.

Halcrow (2012c). *Wylfa New Build – Aerial Photograph Study.* Report Ref: TQHOWA008 Version 1B.

Harris, C. (1991). Glacially Deformed Bedrock at Wylfa Head, Anglesey, North Wales. *Engineering Geology Special Publications*. Vol.7, pp.135-152.

Health Protection Agency (HPA) (2015). *HPA UK Radon Site* [Online] Available at: www.ukradon.org [Accessed: 22/10/2015].

Hooda, P.S. (2010). *Trace Elements in Soils*. London: Wiley.

Horizon Nuclear Power Limited (Horizon) (Undated). *Land Quality Strategy – Areas of Potential Concern (APC) - Draft.*

Horizon Nuclear Power Limited (Horizon) (2015). *Radiological Reference State of Wylfa Newydd Site – Radiological Baseline Report.* Report Ref: WN01.03.03-S3-EWM-REP-00001.

Isle of Anglesey County Council (IACC) (2015). Environmental Search Enquiry: Wylfa Newydd HORIZON4004R (Soils and Geology).

Interdepartmental Committee on the Redevelopment of Contaminated Land (ICRCL) (1987). *Guidance on the assessment and redevelopment of contaminated land*. 2nd ed.

Jacobs (2014a). *Wylfa Newydd – Gap Analysis of Intrusive Ground Investigation Works*. Report Ref: W301.02-S4-OS-Jacobs/8004/CL/R/002.

Jacobs (2014b). *Watercourse Realignment: Constraints and Recommendations*. *Horizon Commercial:* 60PO8004-GEOM001.

Jacobs (2016a). *Technical Memorandum – Asbestos Containing Material: Summary of Available Data and Overview of Remedial Options*. Reference: WN02.04.01-JAC-OS-REP-00042.

Jacobs (2016b). Technical Memorandum – *Asbestos Containing Material in Soils Outside APC7 Zone of Interest: Summary of Available Data and Volume Calculatio*n. Reference: WN02-JAC-OS-REP-00014.

Landmark (2012). *Envirocheck Report* Order no. 39081180_1_1.

Land Quality Management Limited (LQM) and the Chartered Institute of Environmental Health (CIEH) (2015). *The LQM/CIEH S4ULs for Human Health Risk Assessment*. Nottingham: Land Quality Press.

Ministry of Agriculture, Fisheries and Food (2000). *Good Practice Guide for Handling Soils*. Cambridge: Farming and Rural Conservation Agency.

Natural Resources Wales (NRW) (2015). Information Request ATI-06244a.

Rudland, D.J, Lancefield, R.M. and Mayell, P.N. (2001). *Contaminated land risk assessment: A guide to good practice* (C552). London: CIRIA.

Soil Mechanics (1998). *Ground Investigations for Porth yr Ogof CCGT* (BL/E/57431). Report no. 8143.

Structural Soils Limited (2011). *Factual Report on Wylfa new build Intermediate On-Shore Ground Investigation.* Report no. 725061.

Structural Soils Limited (2015). *Factual Report on Wylfa Newydd Detailed Onshore Ground Investigation.* Report Ref: 728599.

UKTAG (2014). *Rivers & Lakes - Metal Bioavailability Assessment Tool (M-BAT)*. [Online] Available at: https://www.wfduk.org/resources/rivers-lakes-metal-bioavailability-assessment-tool-m-bat [Accessed: 23/03/2017].

Welsh Government (2012). *Contaminated Land Statutory Guidance – 2012*. [Online] Available at: http://gov.wales/docs/desh/publications/130712contaminated-land-statutory-guidance-2012-en.pdf [Accessed: 23/10/2015].

Wilson, S. Oliver, S. Mallet, H, Hutchings, H and Card, G. (2007). *Assessing risks posed by hazardous ground gases to buildings* (C665). London: CIRIA.

Wimpey (1987). Wylfa Site Investigation *Wylfa Site Investigation*. Report Ref: S/24272.

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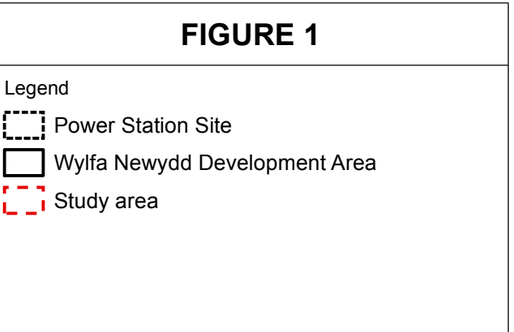
Figure 19 – Soil Leachate and Groundwater Samples Exceeding Chromium Water Quality Standards

Figure 20 – Proposed Areas for Excavation of Potential Asbestos Containing Material

FIGURE 1

Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area



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Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

Drawing Title

STUDY AREA LOCATION

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0 125 250 500 750 1,000 1,250 metres

FIGURE 2

Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area
- Contours
- Watercourse
- Surface waterbody
- Site of Special Scientific Interest
- Geological Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- Wildlife Site
- Afon Cafnan catchment
- Cemaes catchment
- Cemlyn catchment
- Power Station catchment
- Tre'r Gof catchment

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LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

Drawing Title

TOPOGRAPHY AND SURFACE WATER FEATURES

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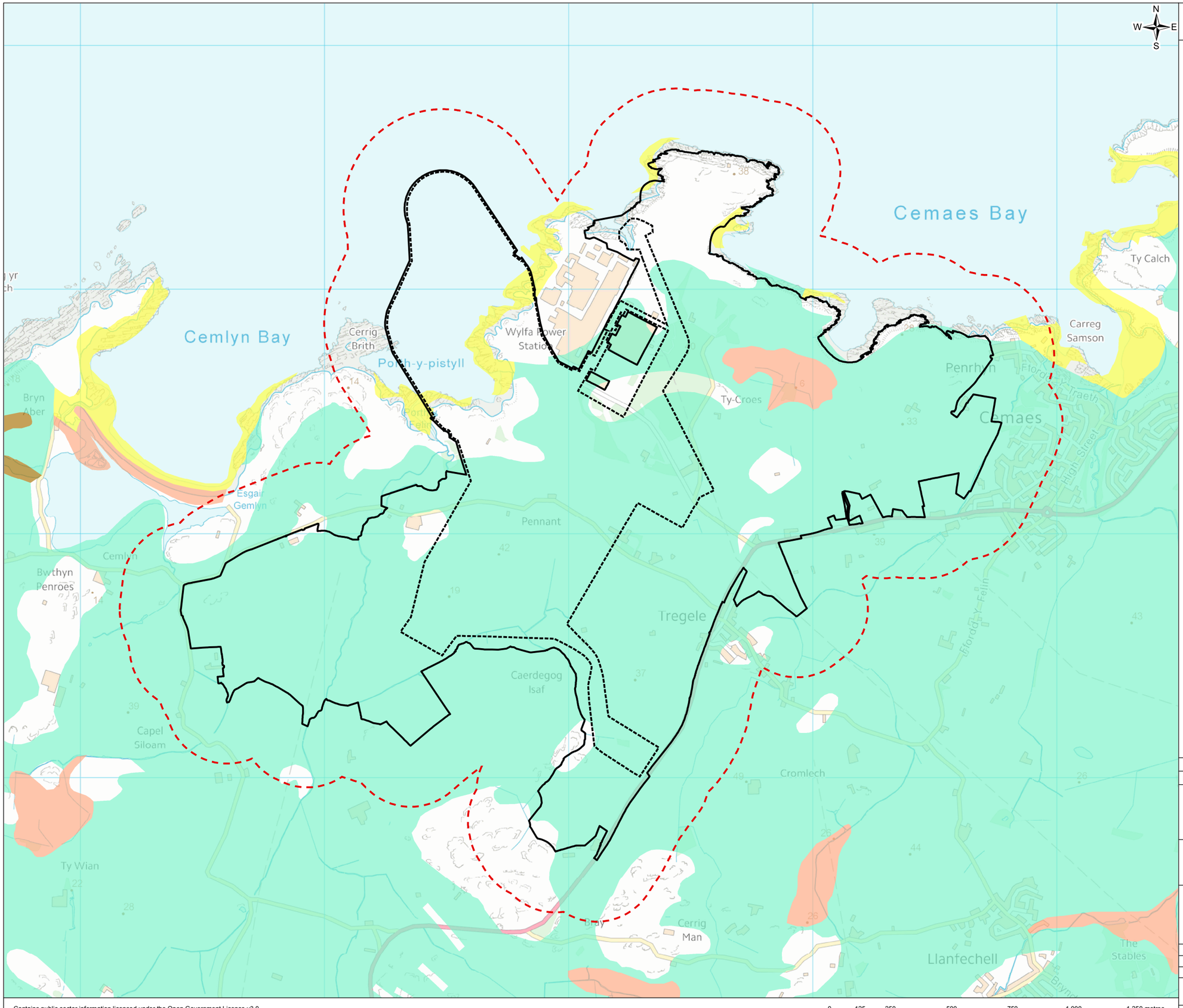
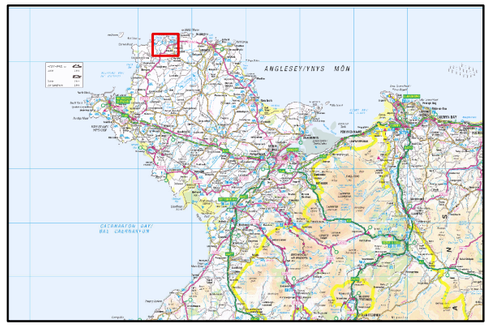
FIGURE 3



Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area
- Alluvium - clay, silt, sand and gravel
- Coastal zone deposit (undifferentiated) - sand, silt and clay
- Tidal flat deposit - clay and silt
- Till, Devensian - diamicton



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LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

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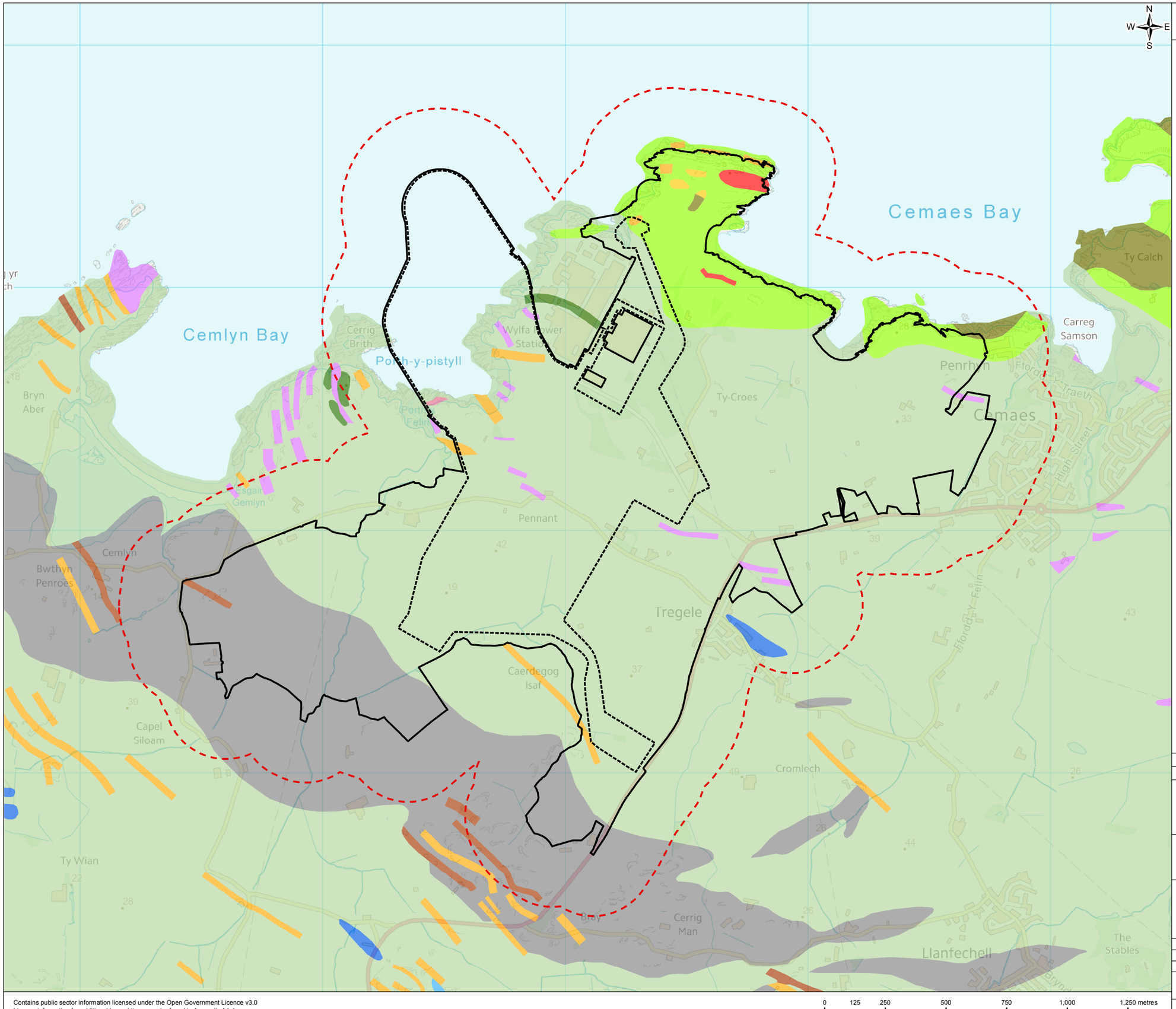
0 125 250 500 750 1,000 1,250 metres

FIGURE 4



Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area
- Old Red Sandstone Supergroup - sandstone
- Central Anglesey shearzone and Berw shearzone (undifferentiated) - schist, glaucophane
- Church Bay tuffs and Skerries grits (undifferentiated) - tuff and sandstone
- Gwna Group - metabasaltic-rock
- Gwna Group - quartzite
- Gwna Group - schist
- New Habour Group - calc-silicate rock
- New Habour Group - jasper
- New Habour Group - lava
- New Habour Group - mica schist and psammite
- Unnamed igneous intrusion of unknown age - felsite
- Unnamed igneous intrusion of uknown age - gabbro, microgabbro and dorite
- Unnamed igneous intrusion of unknown age - serpentinite

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0 125 250 500 750 1,000 1,250 metres

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LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

Drawing Title: PUBLISHED BEDROCK GEOLOGY

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FIGURE 5

Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area
- Exploratory hole showing evidence of contamination
- Potential source of contamination

N W E S

Sewage works 1975
Tanks 1975
TP579
TP315
TP576
TP800/17
Tank 1975
TP800/18
Energy production (nuclear power)
Transformer oil spill 2002
Underground storage tanks
Quarry 1891
Filled ground 1963
TP800/26
TP700/01
TP800/27
TP800/25
BH617R
TP700/02
OT613
Quarry 1891
TCE sump and valve chamber
BH970R
Brick chamber (drainage)
Brick chamber (drainage)
Ceramics industry 1890
Known void
BH306R
Filled stream
TP700/22
TP700/23
TP700/23A
Septic tank
Septic tank
TP700/27
Unknown structure
Quarry 1891
Quarry 1891
Sheep dip
Septic tank x2
Well
Known void
Quarry 1978
Transport and haulage 1978
Known Void
Waste disposal 1978

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LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

Drawing Title: POTENTIAL SOURCES OF CONTAMINATION

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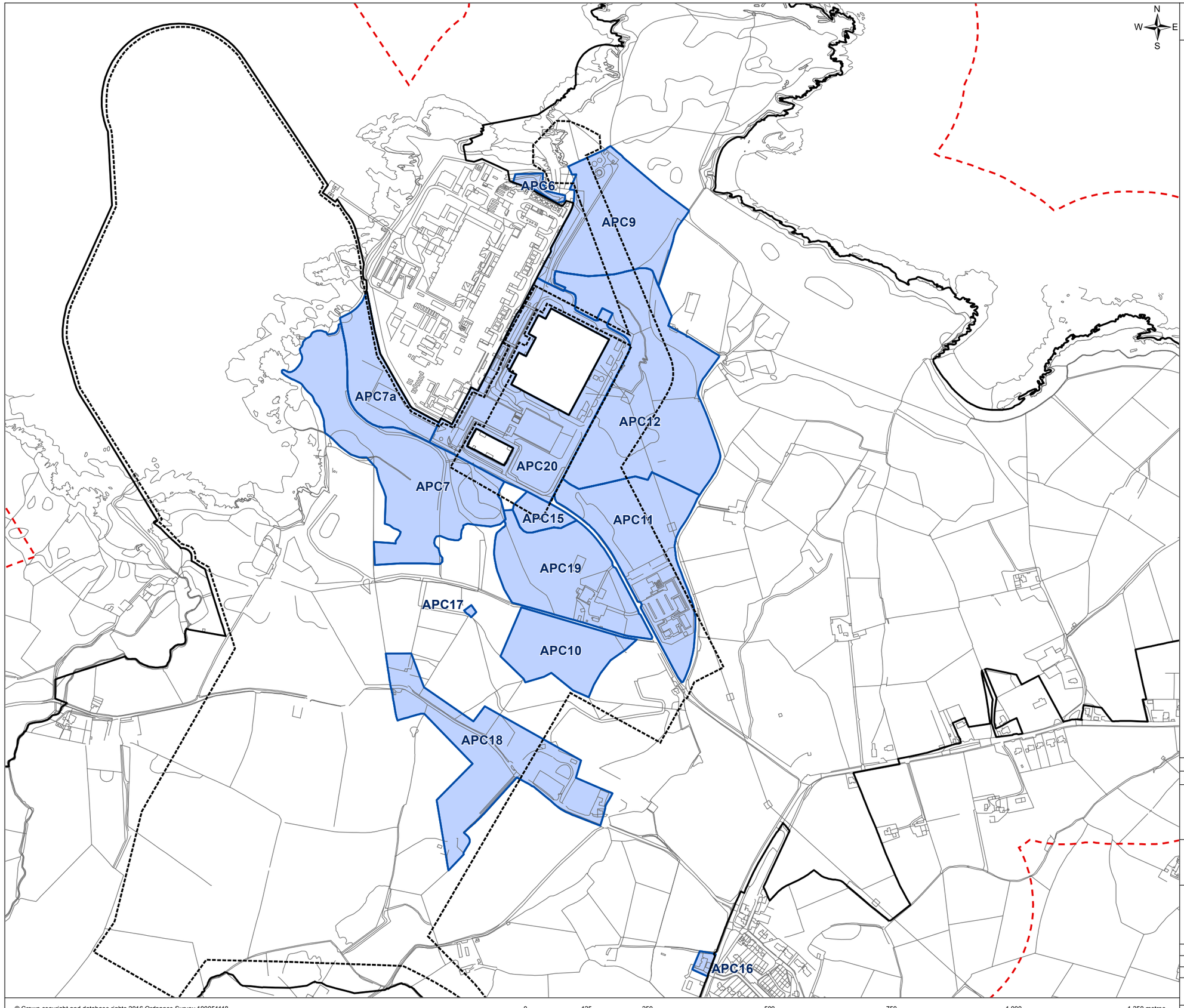
0 50 100 200 300 400 500 metres

FIGURE 6



Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area
- Areas of Potential Concern

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Project: WYLFA NEWYDD PROJECT
LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

Drawing Title: AREAS OF POTENTIAL CONCERN

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0 125 250 500 750 1,000 1,250 metres

FIGURE 7

Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area
- Wimpey Laboratories' (1987) exploratory hole
- Soil Mechanics' (1998) onshore exploratory hole

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Project

WYLFA NEWYDD PROJECT
LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

Drawing Title

EXPLORATORY HOLE LOCATION PLAN: WIMPEY AND SOIL MECHANICS

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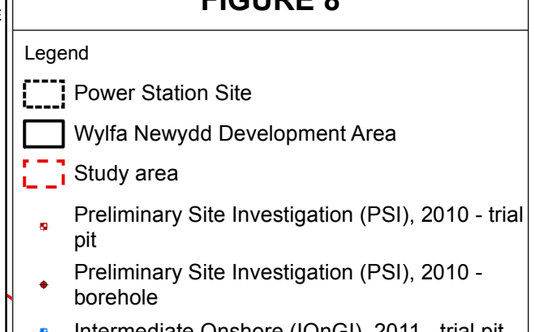
0 50 100 200 300 400 500 metres

FIGURE 8

Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area
- Preliminary Site Investigation (PSI), 2010 - trial pit
- Preliminary Site Investigation (PSI), 2010 - borehole
- Intermediate Onshore (IOnGI), 2011 - trial pit
- Intermediate Onshore (IOnGI), 2011 - borehole



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Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

APPENDIX D07-02
MAIN SITE POWER STATION
EXPLORATORY HOLE LOCATION PLAN: PSI AND IONGI

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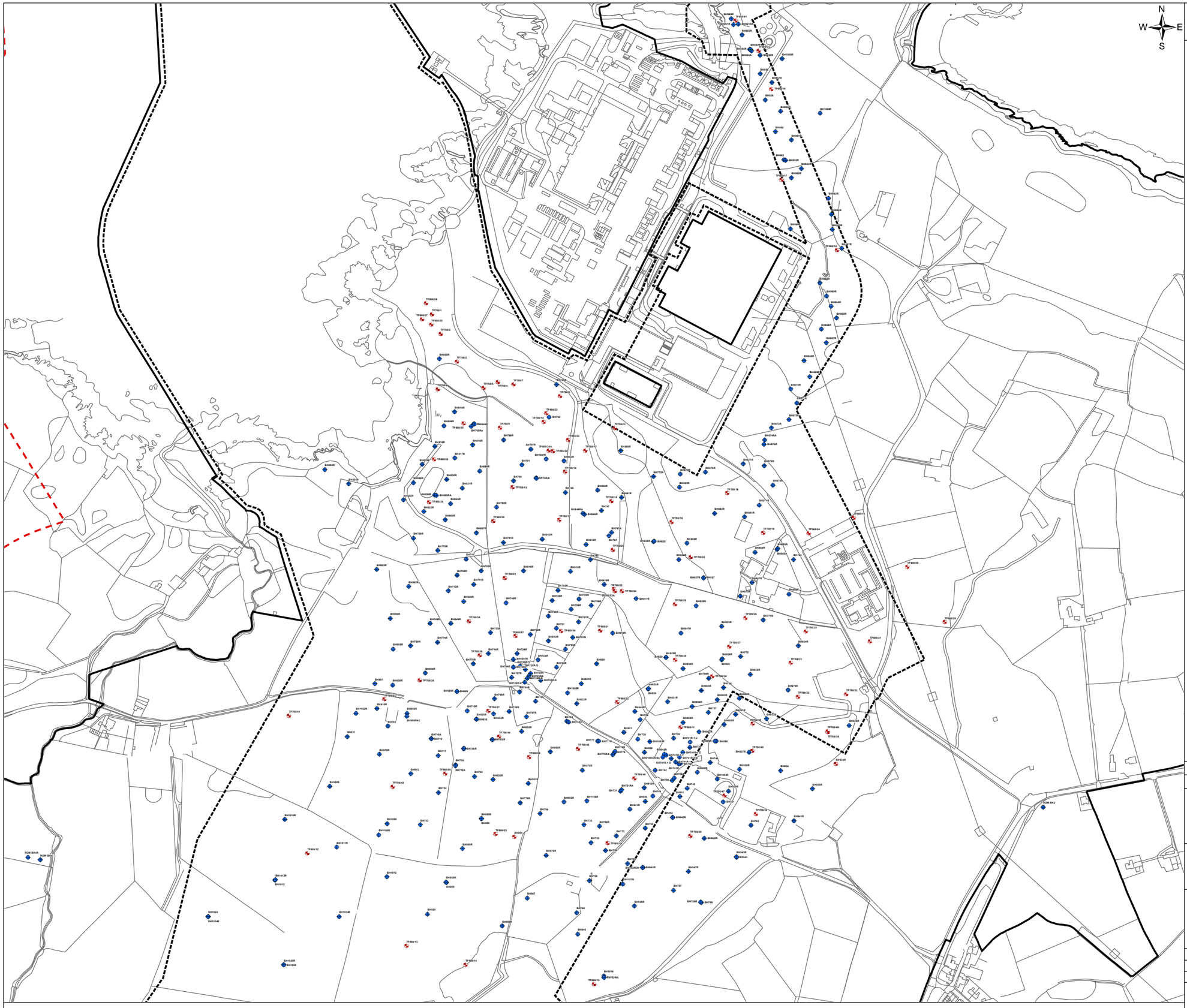
0 50 100 200 300 400 500 metres

FIGURE 9



Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area
- Detailed Onshore Ground Investigation (DOnGI), 2014 - borehole
- Detailed Onshore Ground Investigation (DOnGI), 2014 - trial pit

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0 50 100 200 300 400 500 metres

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Project

WYLFA NEWYDD PROJECT
LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

Drawing Title

EXPLORATORY HOLE LOCATION PLAN: DONGI

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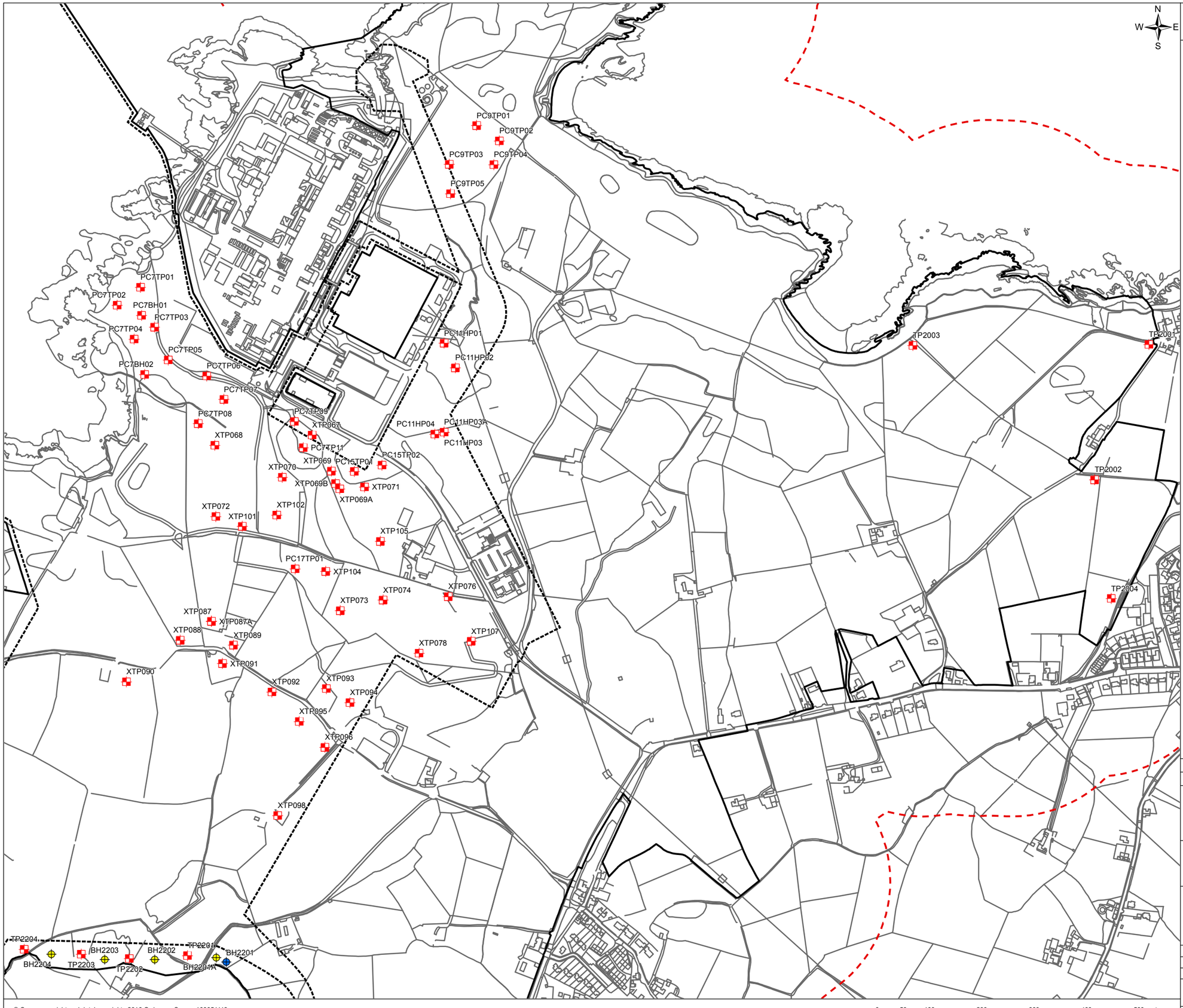
FIGURE 10



Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area
- 2015 Ground Investigation (GI) - borehole (cable percussive)
- 2015 GI - borehole (rotary core)
- 2015 GI - trial pit

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Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

Drawing Title: EXPLORATORY HOLE LOCATION PLAN: 2015 GI

Scale @ A3	1:7,000	DO NOT SCALE
Jacobs No.	60PO8077	
Client No.		

Drawing No. 60PO8077_DCO_VOL_D_APP_07_02_10

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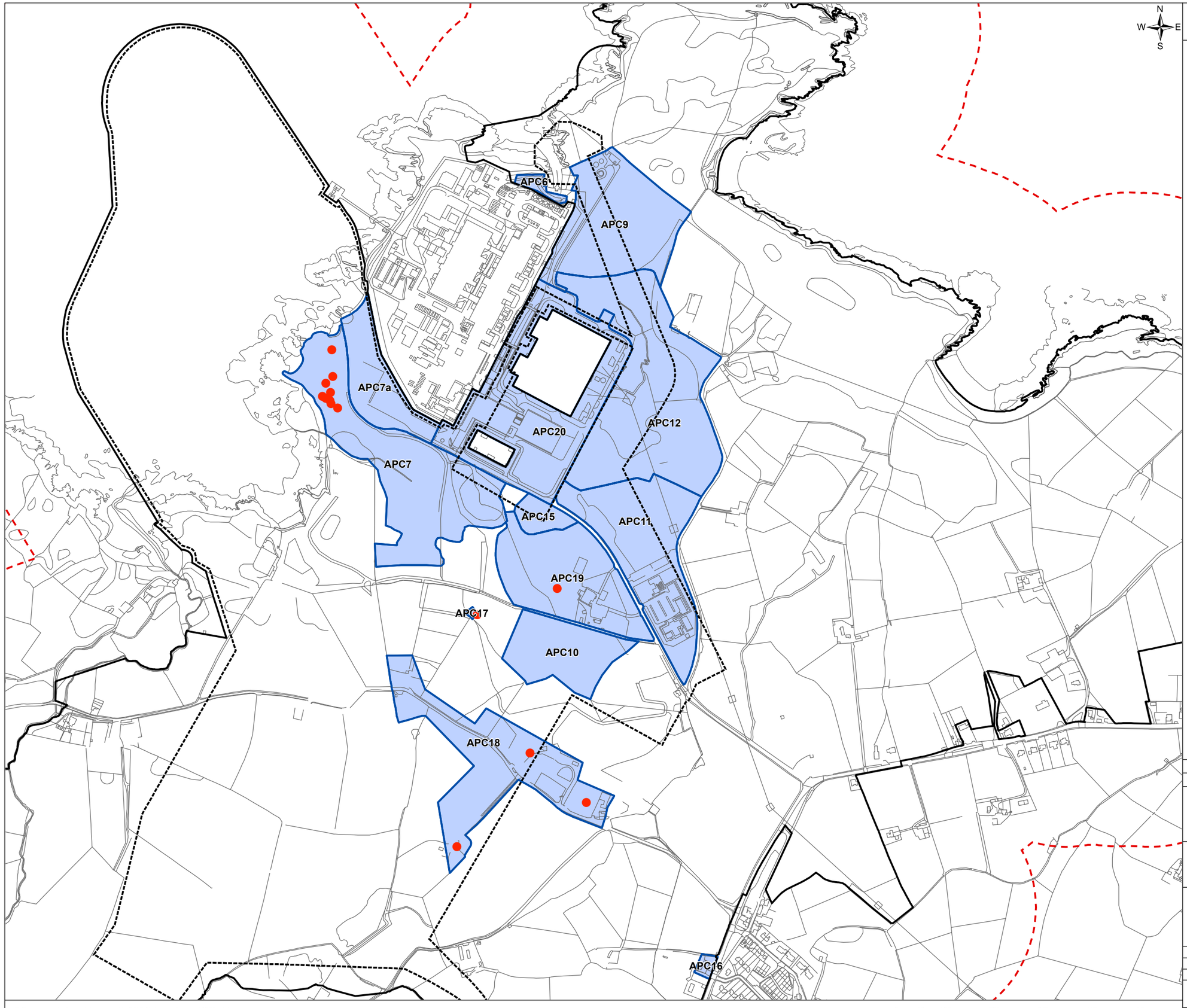
0 50 100 200 300 400 500 metres

FIGURE 11



Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area
- Areas of Potential Concern
- Type 1 made ground

Notes:
Made ground identified as interpreted by DOnGI (Atkins, 2016). Ground investigation data from PSI (2010), IOnGI (2011), DOnGI (2014) and 2015 GI.

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Project: WYLFA NEWYDD PROJECT
LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

Drawing Title: MADE GROUND LOCATIONS: TYPE 1

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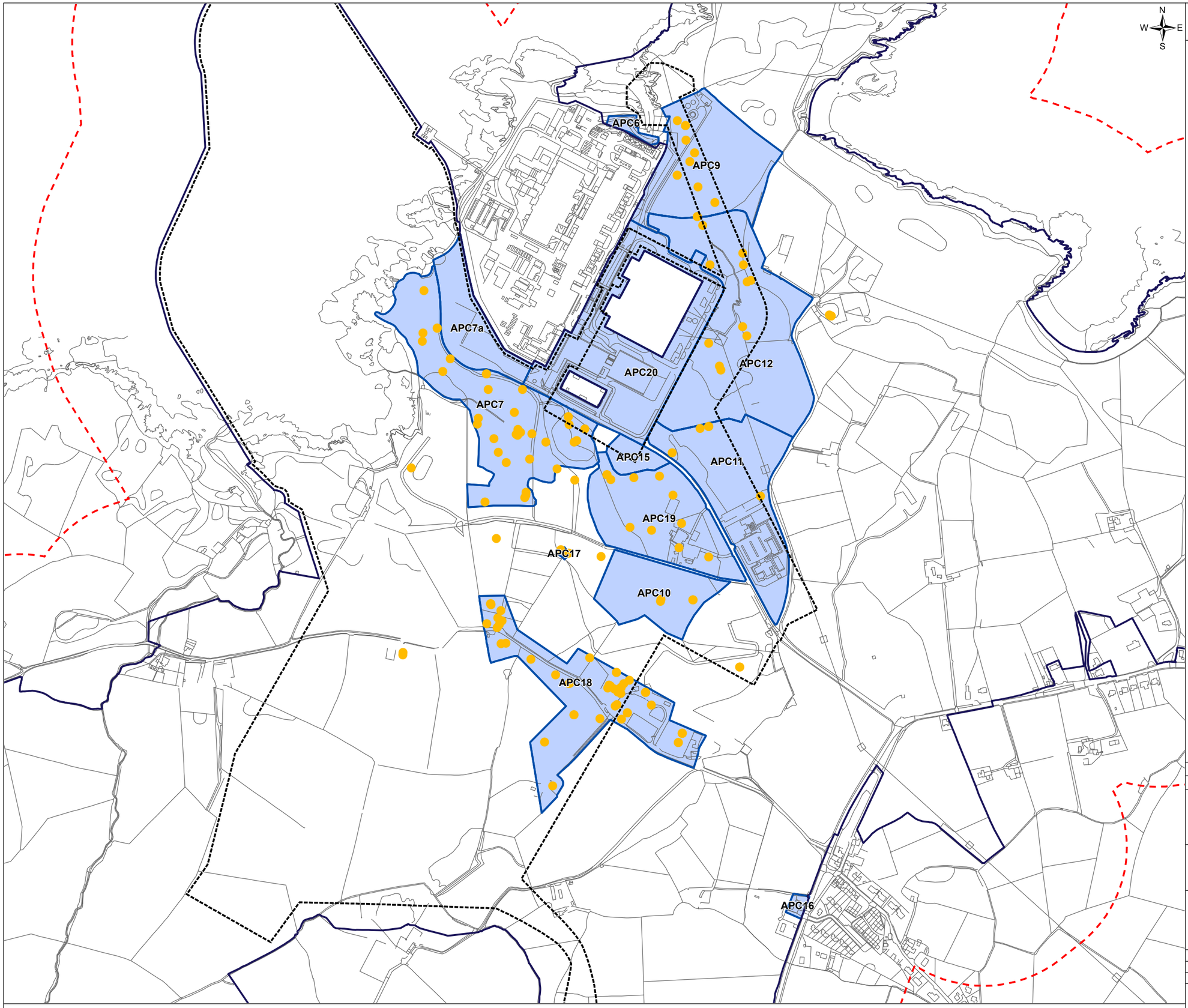
0 50 100 200 300 400 500 metres

FIGURE 12



Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area
- Area of Potential Concern
- Type 2 made ground

Notes:
Made ground identified as interpreted by DOnGI (Atkins, 2016). Ground investigation data from PSI (2010), IOnGI (2011), DOnGI (2014) and 2015 GI.

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0 50 100 200 300 400 500 metres

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0	AUG 17	Initial Issue	AD	CC	KY	RB

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

Drawing Title: MADE GROUND LOCATIONS: TYPE 2

Scale @ A3	1:7,500	DO NOT SCALE
Jacobs No.	60PO8058	
Client No.		

Drawing No.: 60PO8077_DCO_VOL_D_APP_07_02_12

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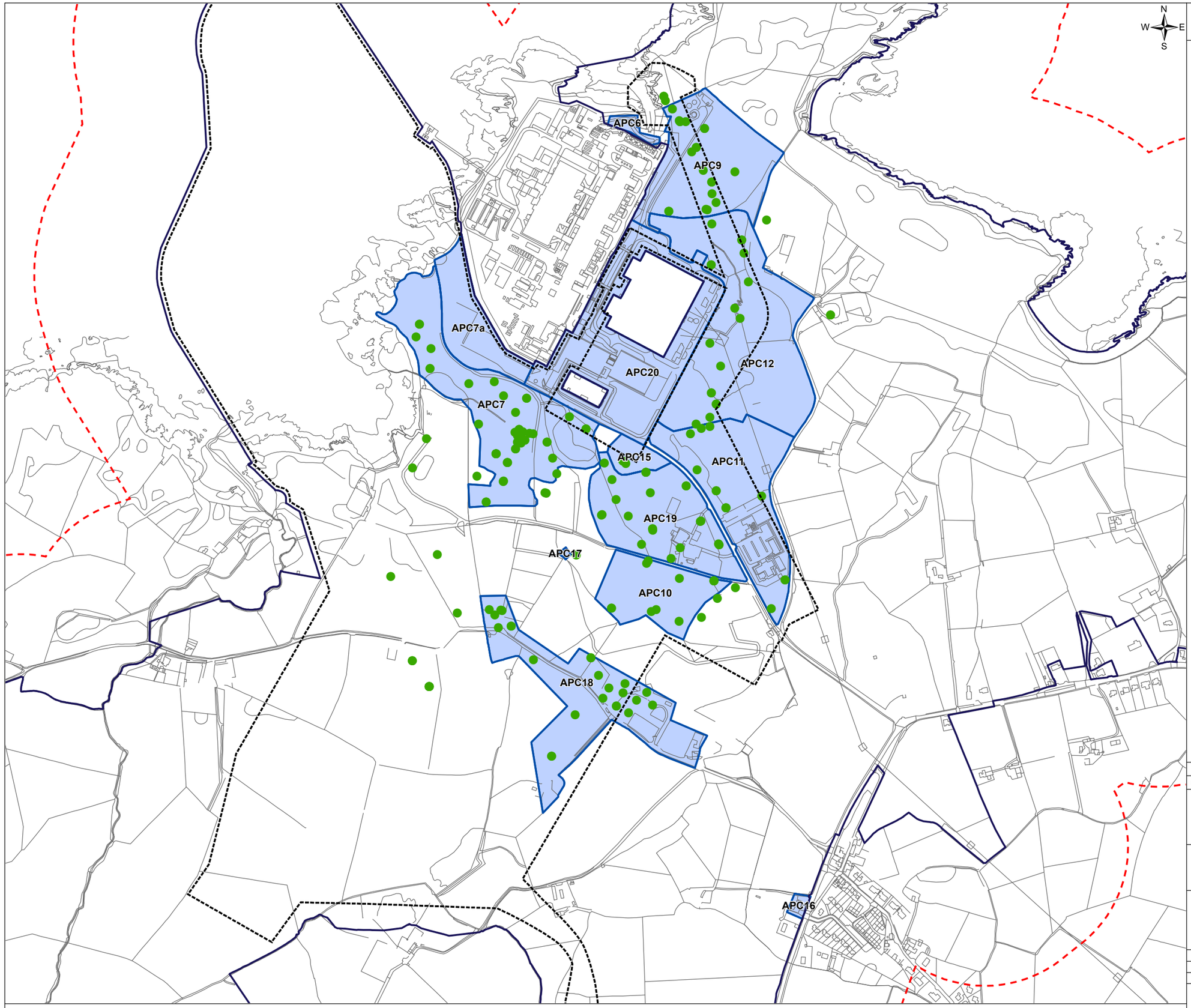
FIGURE 13



Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area
- Area of Potential Concern
- Type 3 made ground

Notes:
Made ground identified as interpreted by DOnGI (Atkins, 2016). Ground investigation data from PSI (2010), IOnGI (2011), DOnGI (2014) and 2015 GI.

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0	AUG 17	Initial Issue	AD	CC	KY	RB

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

Drawing Title: MADE GROUND LOCATIONS: TYPE 3

Scale @ A3	1:7,500	DO NOT SCALE
Jacobs No.	60PO8077	
Client No.		

Drawing No.: 60PO8077_DCO_VOL_D_APP_07_02_13

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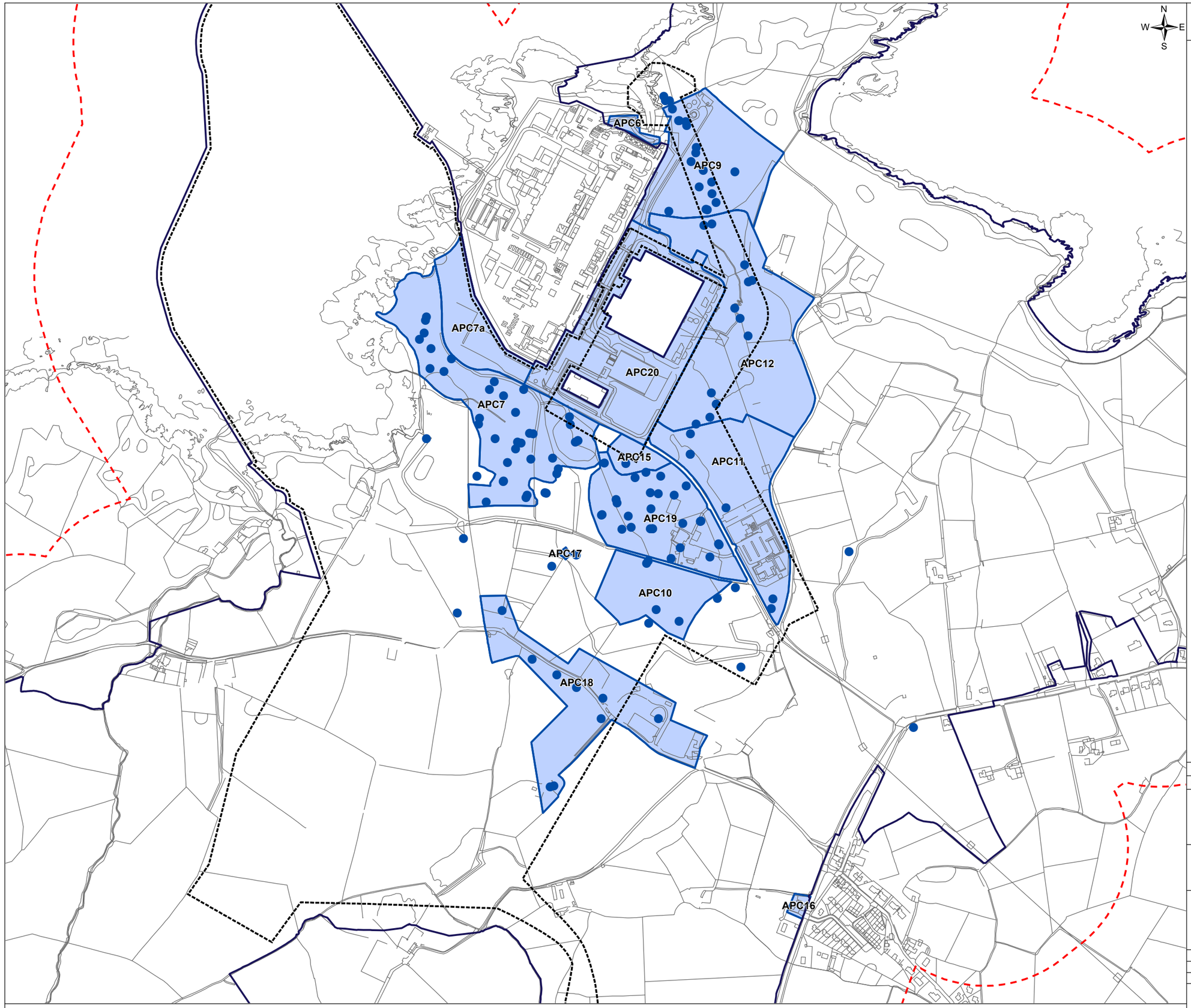
0 50 100 200 300 400 500 metres

FIGURE 14



Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area
- Area of Potential Concern
- Type 4 made ground

Notes:
Made ground identified as interpreted by DOnGI (Atkins, 2016). Ground investigation data from PSI (2010), IOnGI (2011), DOnGI (2014) and 2015 GI.

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	AUG 17	Initial Issue	AD	CC	KY	RB

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

Drawing Title: MADE GROUND LOCATIONS: TYPE 4

Scale @ A3	1:7,500	DO NOT SCALE
Jacobs No.	60PO8077	
Client No.		

Drawing No.: 60PO8077_DCO_VOL_D_APP_07_02_14

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0 50 100 200 300 400 500 metres

FIGURE 15

N
W E
S

Legend

- Wylfa Newydd Development Area
- Study area

Made ground interpolation

- Made ground not anticipated
- Type 4 made ground
- Type 3 made ground
- Type 2 made ground
- Type 1 made ground

Notes:
Made ground types identified as interpreted by DOnGI (Atkins, 2015). Ground investigation data from PSI (2010), IOnGI (2011), DOnGI (2014) and 2015 GI. Display shows all made ground types (1-4) encountered at all depths. Where multiple types occur at the same location, the lowest type has been displayed, to provide a worst case assumption of made ground present.

Type 1 made ground typically waste materials.

Type 2 made ground typically re-worked ground with anthropogenic / waste inclusions.

Type 3 made ground typically re-worked natural material with occasional anthropogenic material.

Type 4 made ground typically topsoil with occasional anthropogenic material.

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	AUG 17	Initial Issue	AD	CC	KY	RB

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

Drawing Title

MADE GROUND COMPOSITE PLAN

Scale @ A3	1:7,500	DO NOT SCALE
Jacobs No.	60PO8077	
Client No.		

Drawing No.

60PO8077_DCO_VOL_D_APP_07_02_15

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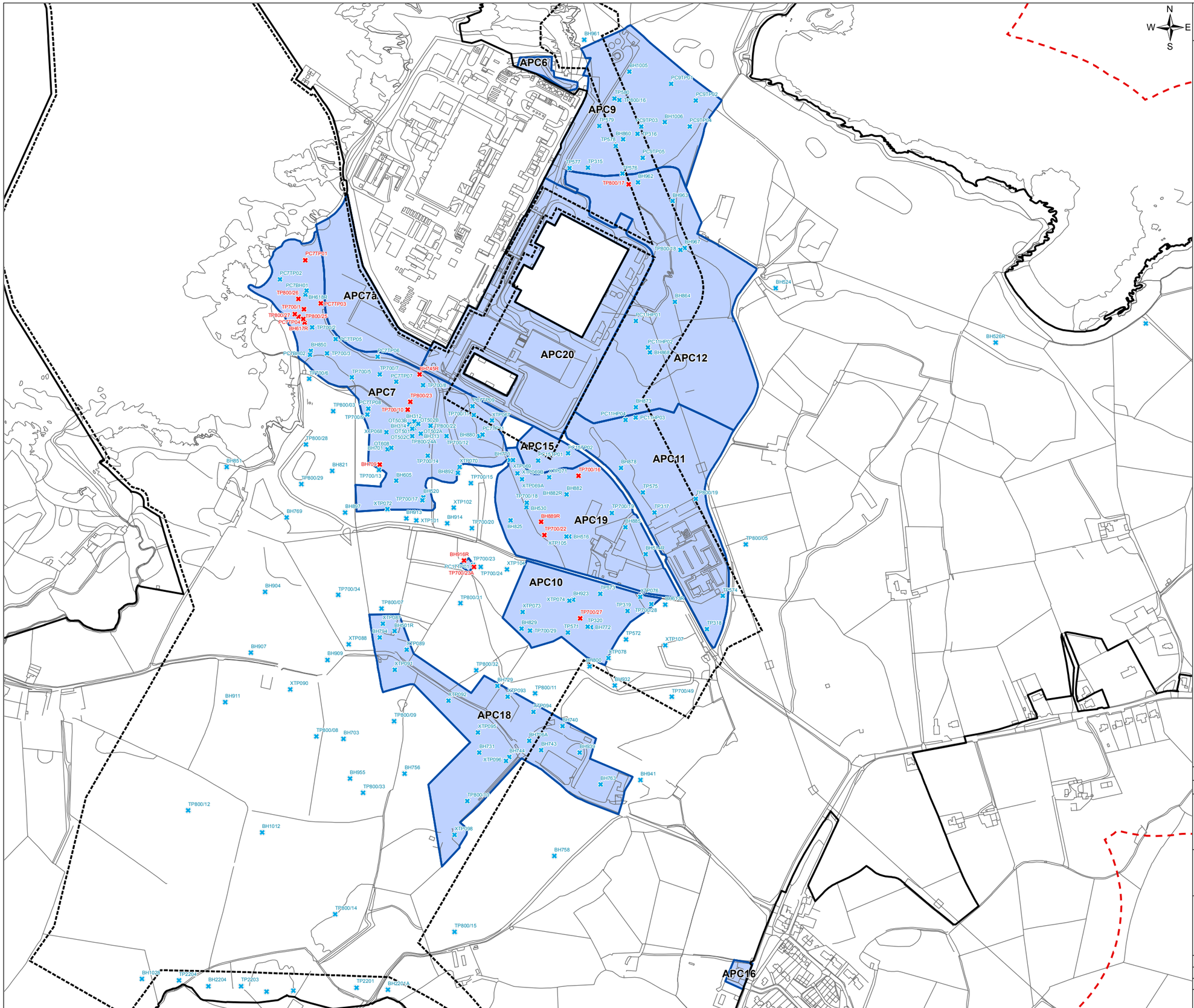
0 50 100 200 300 400 500 metres

FIGURE 16



Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area
- Areas of Potential Concern
- Asbestos detected
- Asbestos not detected

Note:
Refer to report for further details of the asbestos analysis results

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	AUG 17	Initial Issue	AD	CC	KY	RB

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

Drawing Title

LOCATIONS AND RESULTS OF ASBESTOS ANALYSIS

Scale @ A3	1:6,500	DO NOT SCALE
Jacobs No.	60PO8077	
Client No.		

Drawing No.

60PO8077_DCO_VOL_D_APP_07_02_16

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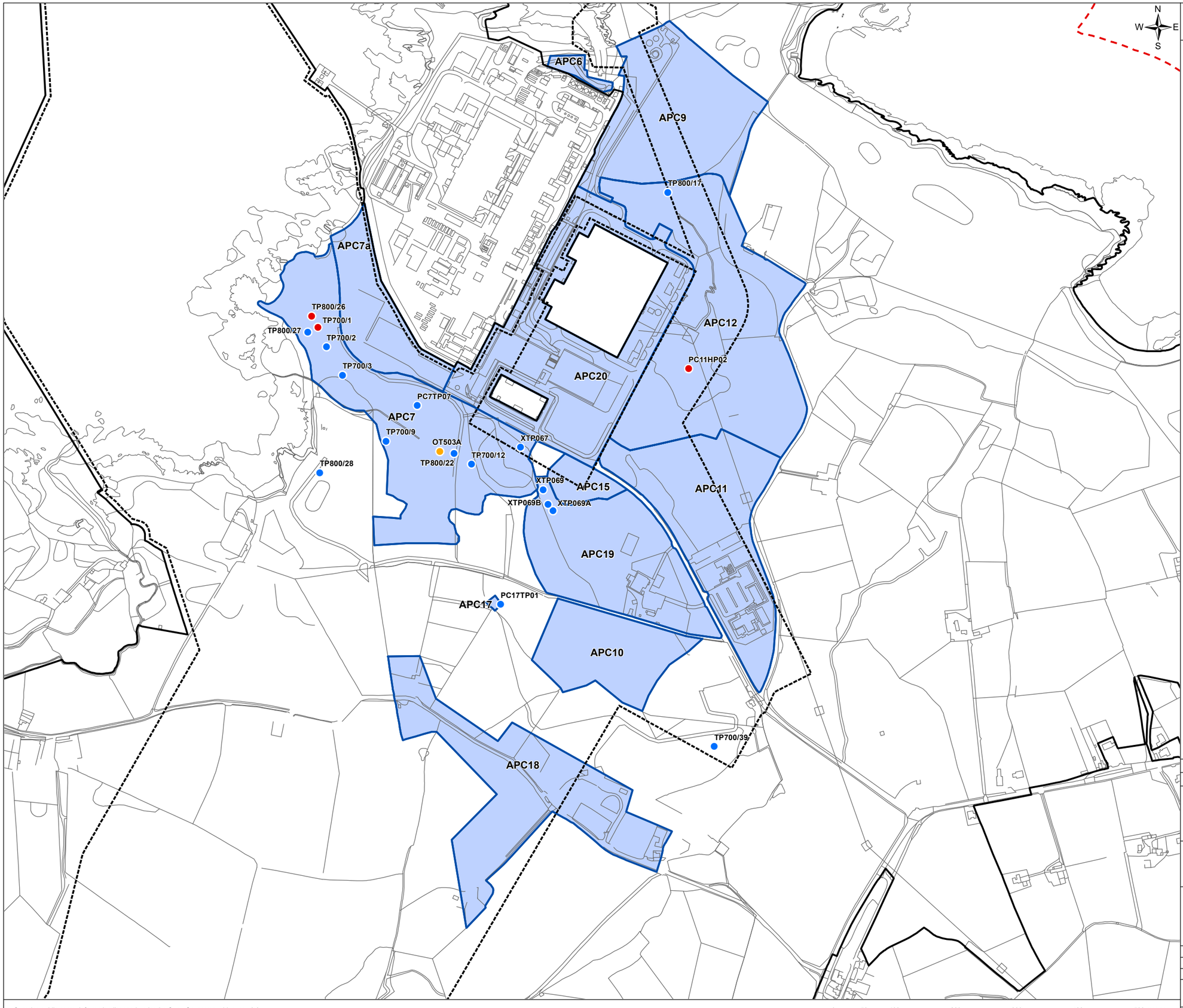
0 50 100 200 300 400 500 metres

FIGURE 17



Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area
- Areas of Potential Concern

Locations failing screening criteria

- Exceedance of human health generic assessment criteria (GAC)
- Exceedance of controlled waters water quality standard (WQS)
- Exceedance of human health GAC and controlled waters WQS

Notes:
Copper, lead, zinc and chromium soil leachate exceedances are not shown due to the high number of exceedances - reference should be made to Figure 18 (copper, lead and zinc) and Figure 19 (chromium) for further information regarding these determinands.
Lead leachate exceedances are not shown because of the high number of locations at which WQS exceedances were recorded.

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Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

Drawing Title: SOIL SAMPLES EXCEEDING GUIDELINE CRITERIA

Scale @ A3	1:6,000	DO NOT SCALE
Jacobs No.	60PO8077	
Client No.		

Drawing No.: 60PO8077_DCO_VOL_D_APP_07_02_17

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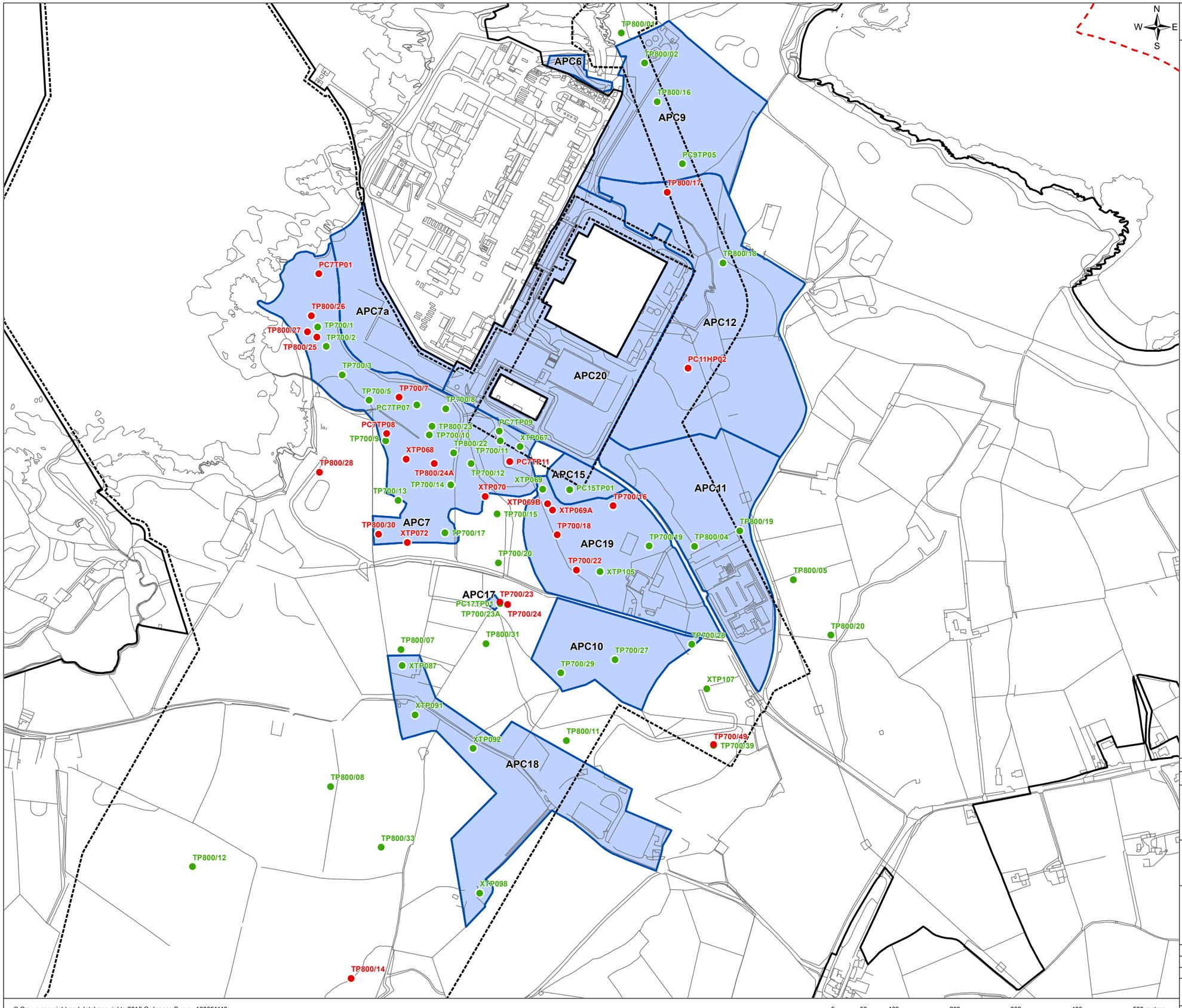
0 50 100 200 300 400 500 metres

FIGURE 18



Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area
- Areas of Potential Concern

Locations failing screening criteria

- Exceeds water quality standard (WQS)
- Does not exceed WQS

Note:
This figure shows soil leachate samples exceeding copper, lead and/or zinc WQSs. Reference should be made to the report text for further details of the results and the WQSs used.

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Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

Drawing Title: SOIL LEACHATE SAMPLES EXCEEDING COPPER, LEAD AND/OR ZINC WATER QUALITY STANDARDS

Scale @ A3	1:6,000	DO NOT SCALE
Jacobs No.	60PO8077	
Client No.		

Drawing No. 60PO8077_DCO_VOL_D_APP_07_02_18

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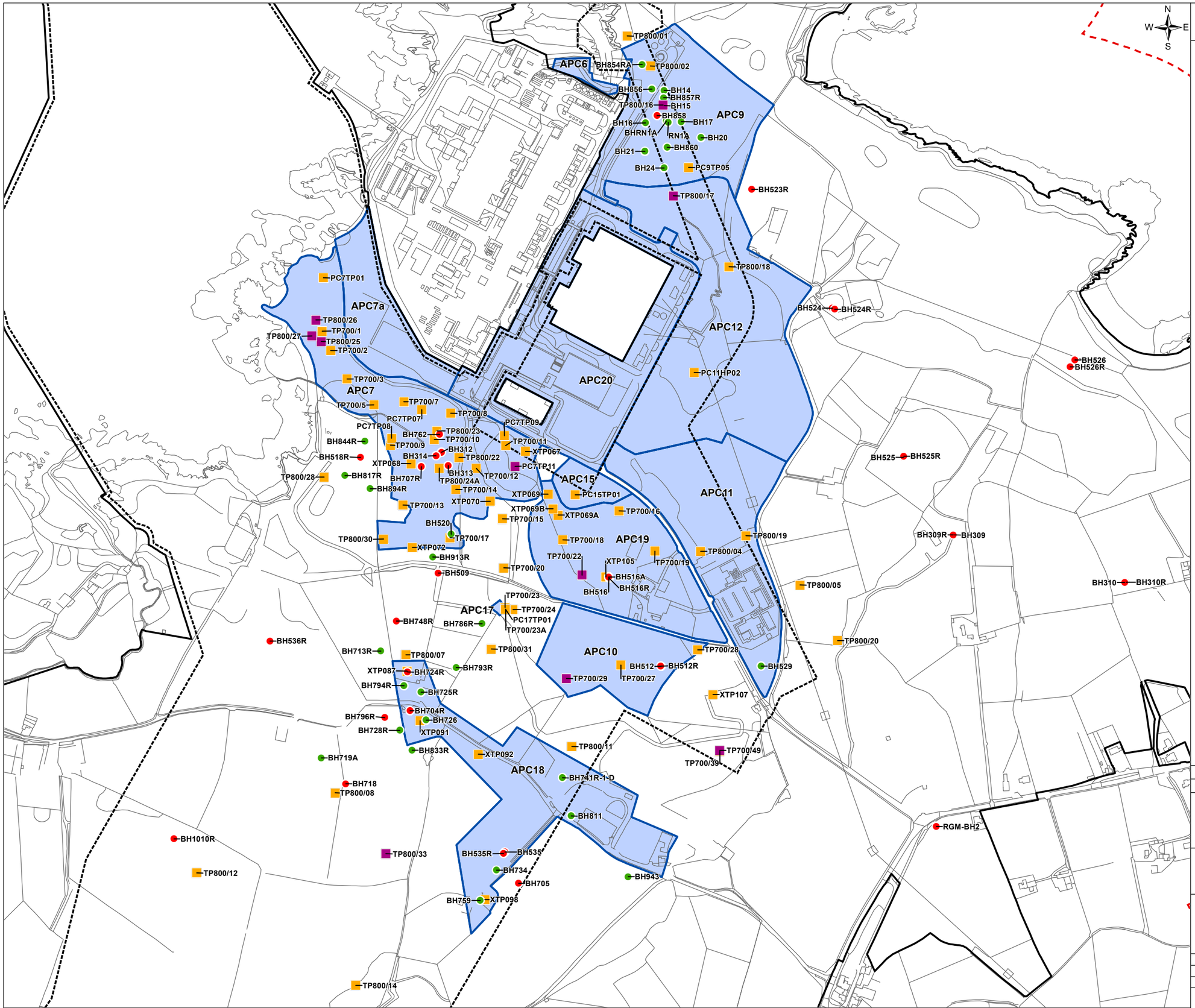
0 50 100 200 300 400 500 metres

FIGURE 19



Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area
- Areas of Potential Concern

Groundwater chromium concentrations

- Exceeds chromium water quality standard (WQS)
- Does not exceed chromium WQS

Soil leachate chromium concentrations

- Exceeds chromium WQS
- Does not exceed chromium WQS

Note:
Reference should be made to the report text for details of the sampling undertaken and the WQSs used

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Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

Drawing Title

SOIL LEACHATE AND GROUNDWATER SAMPLES EXCEEDING CHROMIUM WATER QUALITY STANDARDS

Scale @ A3	1:6,000	DO NOT SCALE
Jacobs No.	60PO8077	
Client No.		

Drawing No.

60PO8077_DCO_VOL_D_APP_07_02_19

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0 50 100 200 300 400 500 metres

FIGURE 20

Legend

- Power Station Site
- Wylfa Newydd Development Area
- Study area
- Proposed areas for excavation of potential asbestos-containing material (ACM)
- Asbestos detected
- Asbestos not detected
- Preliminary Site Investigation (PSI), 2010 - trial pit
- Preliminary Site Investigation (PSI), 2010 - borehole
- Intermediate Onshore Ground Investigation, 2011 - trial pit
- Intermediate Onshore Ground Investigation, 2011 - borehole
- Detailed Onshore Ground Investigation, 2014 - borehole
- Detailed Onshore Ground Investigation, 2014 - trial pit
- 2015 GI - trial pit

Note:
Reference should be made to the report for further details

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	AUG 17	Initial Issue	AD	CC	KY	RB

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
LAND CONTAMINATION RISK ASSESSMENT AND REMEDIATION STRATEGY

Drawing Title: PROPOSED AREAS FOR EXCAVATION OF POTENTIAL ASBESTOS CONTAINING MATERIAL (ACM)

Scale @ A3	1:3,000	DO NOT SCALE
Jacobs No.	60PO8077	
Client No.		

Drawing No.: 60PO8077_DCO_VOL_D_APP_07_02_20

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0 25 50 100 150 200 250 metres

Appendix A. Development of Areas of Potential Concern

A.1 British Nuclear Fuels Limited (BNFL) (2005)

In 2005, BNFL identified nine APCs relating to potential sources of non-radiological land contamination on and in the immediate vicinity of the Existing Power Station site (BNFL, 2005).

The nature of the contaminant source for each APC is summarised in Table B.1.

Table B.1 British Nuclear Fuels Limited identified APCs (2005)

Ref.	Name	Description
APC1	Carbon dioxide plant fuel lines	Diesel release from underground pipeline in vicinity of carbon dioxide compound
APC2	Active incinerator fuel lines	Degraded oil observed in excavation in vicinity of active oil incinerator pipelines
APC3	Water treatment plant drains	Release of acid from drain in water treatment plant
APC4	400kV switch house transformer compound	Oil observed on roadway thought to have originated from waste oil trailer
APC5	Turbine hall transformers	Leaks of transformer oil along cable ducts
APC6	Valley railhead ballast	Non-radiological contaminants may be present within fill material used to landscape area to the north of the gas turbine fuel oil tanks. Ballast may contain some hydrocarbon contamination relating to leaks of fuel and hydraulic liquid from rolling stock
APC7	Skerries View	Contractors laydown area during site construction. (TCE) observed within water samples obtained from a sump and surface water course
APC8	Northwest headland	Area used as a car park for large plant during site construction. Workshops and a fuel depot may have been stored in this area
APC9	Area north of 400kV switch house	Area utilised as a general area for administration, staff parking, site plant, stores, workshops and a cement mixing plant during the construction of the station

A.2 Enviros (2009)

A further five APCs were identified by Enviros in 2008 and 2009 (acting on behalf of Magnox North Limited – the Site Licence Company for the Existing Power Station at the time), bringing the total number of APCs to 14 (Enviros, 2008; Enviros, 2009). The reference, name, location, and extent of APC1 to APC9 (inclusive) were not altered from the BNFL report.

The nature of the contaminant source for each APC is summarised in Table B.2.

Table B.2 Enviros identified APCs (2009)

Ref.	Name	Description
APC1	Carbon dioxide plant fuel lines	Diesel release from underground pipeline in vicinity of carbon dioxide compound
APC2	Active incinerator fuel lines	Degraded oil observed in excavation in vicinity of active oil incinerator pipelines
APC3	Water treatment plant drains	Release of acid from drain in water treatment plant
APC4	400kV switch house transformer compound	Oil observed on roadway thought to have originated from waste oil trailer
APC5	Turbine hall transformers	Leaks of transformer oil along cable ducts
APC6	Valley railhead ballast	Non-radiological contaminants may be present within fill material used to landscape area to the north of the gas turbine fuel oil tanks. Ballast may contain some hydrocarbon contamination relating to leaks of fuel and hydraulic liquid from rolling stock.
APC7	Skerries View	Contractors laydown area during site construction. TCE observed within water samples obtained from a sump and surface water course
APC8	Northwest headland	Area used as a car park for large plant during site construction. Workshops and a fuel depot may have been stored in this area.
APC9	Area north of 400kV switch house	Area utilised as a general area for administration, staff parking, site plant, stores, workshops and a cement mixing plant during the construction of the station
APC10	Area south of Simdda-wen	Topsoil storage area
APC11	Area of former visitor centre	Construction works spoil heap (later removed to area north of 400kV switch house). Contractors site disposal area.
APC12	Area north of 400kV switch house	Construction site disposal area
APC13	Site entrance	Two 1,000 gallon USTs
APC14	Gas turbine fuel oil tanks	An underground ring main was used to supply fuel to the gas turbines. This has now been replaced by an above-ground pipeline.

It should be noted that the position of APC7 provided by Enviros is approximately 90m east of that provided by BNFL. It was also noted that the name given to APC12 (“Area North of 400kV switch house”) was identical to that of the existing APC9

A.3 Halcrow (2012a)

In 2011/2012, Halcrow (acting on behalf of Horizon) reviewed historical aerial photography and identified more extensive areas of land adjacent to the Existing Power Station which had been disturbed by the development of the site.

In the first revision of their Contaminated Land Desk Study and Initial Risk Assessment (Halcrow, 2012a), Halcrow did not present APCs; rather, they introduced the concept of Historical Construction Areas (HCAs), summarised as follows.

- HCA1 – Located to the north of the 400kV switch house and, as such, extends across the majority of APC9 and a small portion of APC12; however, HCA1 covers a considerably larger area than both APC9 and APC12 combined.
- HCA2 – Located effectively coincident with previous APC11; however, this HCA extends to also cover an area to the northwest of the original APC.
- HCA3 – Effectively a redefinition of the previously identified APC10, based on a review of historical aerial photographs, covering the majority of APC10 but extending to the west and northwest such that it occupies approximately double the area of the previous APC.
- HCA4 – Area not previously identified as an APC.
- HCA5 – Located to the south of the Existing Power Station Site and extends to include the previously identified APC7. HCA5 is, however, considerably larger in area than APC7.

Halcrow's original Contaminated Land Desk Study and Initial Risk Assessment (Halcrow, 2012a) also identifies the area of the spoil heap from construction of the Existing Power Station's development platform. This area overlaps with HCA1, covers the remainder of APC12 (i.e. that not occupied by HCA1), but also extends southwards to include land to the immediate southeast of the Existing Power Station site.

In the July 2012 revision to the Contaminated Land Desk Study and Initial Risk Assessment report (Halcrow, 2012a), the APCs are reintroduced. Each HCA is retitled with reference to the numbering system introduced by BNFL and continued by Enviros, as follows:

- HCA1 is retitled APC9;
- HCA2 is retitled APC11;
- HCA3 is retitled APC10;
- HCA4 (not previously identified as an APC) is given the reference APC15 (in acknowledgement of the 14 APCs identified by Enviros in 2008/2009);
- HCA5 is retitled APC7; and
- The "spoil heap area" (which partially covers the previous APC12) is given the reference APC12.

A.4 Horizon (Undated)

Two additional APCs are identified in the Horizon document Land Quality Strategy – Areas of Potential Concern (APC) (Horizon, Undated).

These additional APCs are the following:

- APC16: Petrol Station at Tregele – a former Esso petroleum retail site located outwith the Power Station Site boundary but within the Option land to the south; and
- APC17: Tai Hirion – A localised area of made ground containing buried general waste (plastic, rubber, etc.) visually identified to the east of the Tai Hirion farmstead.

A.5 Atkins (2015)

Three areas of concern were recommended for further investigation during the DOnGI, as well as extending the current understanding of contamination across the site by installing further boreholes and trial pits. The three key areas of concern recommended for further investigation within the IOnGI Interpretative Report (Halcrow, 2012b) were the following:

- APC7 – Asbestos and hydrocarbon contamination in made ground to the south of the Existing Power Station, around BH617;

- APC7 – TCE contamination associated with a sump feature located to the south of the Existing Power Station; and
- APC9 – Contamination encountered at the pre-PSI borehole installation SMBH14 to the northeast of the Existing Power Station.

Appendix B. Factual Reports

ON CD

2015 GI (Structural Soils Limited, 2015);

DOnGI (Structural Soils Limited, 2014-2015);

IOnGI (Structural Soils Limited, 2010-2011);

IOffGI (Fugro Seacore Limited, 2011);

PSI (Structural Soils Limited; 2009-2010);

Porth Yr Ogof CCGT On-shore and Off-shore Ground Investigations (Soil Mechanics, 1997-1998); and

Wylfa 'B' Ground Investigation (Wimpey, 1987).

Appendix C. Conceptual site model and risk assessment

PPL #*	Source	Potential contaminants	Pathway	Receptor	Consequence of occurrence	Likelihood of occurrence	Potential significance (risk)	Comments	Further action / remediation required?
C001	Groundwater beneath Wylfa Newydd Development Area (excluding APC7 and APC9 which are assessed separately).	Elevated metals (various including widespread manganese and iron), inorganics (including widespread nitrate and ammoniacal nitrogen) Biological Oxygen Demand and Chemical Oxygen Demand. Sporadic exceedances of other determinands, including TPHs. Remainder of contaminant concentrations are generally not elevated against WQS.	Inhalation, ingestion and dermal contact	Current site users	Medium	Unlikely	Low	Current site users are unlikely to come into contact with underlying groundwater.	No
C002			Groundwater flow into surface water receptors	Surface waters	Medium	Low likelihood	Moderate/low	Elevated concentrations of these contaminants have been identified and it is considered likely that a linkage may exist although these contaminants are generally considered to represent background concentrations or isolated exceedances.	Yes
C003	Soils and groundwater within APC7 - sump \ valve chamber area	Elevated TCE and associated breakdown products - maximum concentration in groundwater is 1,100µg/l. Maximum concentration in soil is 0.7µg/kg. Elevated PAHs above GAC at OT503A (west face).	Inhalation, ingestion and dermal contact	Current site users	Medium	Unlikely	Low	Whilst elevated TCE and PAH concentrations have been identified, it is considered unlikely that a linkage exists to current site receptors given the contamination has predominantly been identified within the sump / culvert / groundwater and deeper soils (0.9m bgl) rather than shallow soils.	No
C004			Wind-blown migration of dust	Nearby residents and adjacent land users	Medium	Unlikely	Low	Given the contamination is predominantly within the sump / culvert / groundwater, rather than shallow soils and given the distance to the off-site receptors, it is considered unlikely that this linkage would occur.	No
C005			Migration of ground gases and vapours followed by build-up within voids of buildings and services	Buildings / services	Medium	Unlikely	Low	It is unlikely this linkage could occur given the distance to the nearest current buildings / structures.	No
C006			Leaching of contaminants into groundwater	Groundwater beneath the site	Medium	Likely	Moderate	It is reasonably likely that the contaminant source will continue to mobilise into groundwater.	Yes
C007			Surface run-off and/or transportation via drainage and groundwater	Surface waters	Medium	Likely	Moderate	It is reasonably likely that the contaminant source will continue to mobilise into groundwater.	Yes
C008	Soils and groundwater within APC7 - observation trench OT613 area	OT613 Hydrocarbons (visual and olfactory indicators). Maximum concentration in soil is 1,130mg/kg. Further investigation in the vicinity of OT613 during the DOnGI did not indicate any visual evidence of hydrocarbon contamination.	Inhalation, ingestion and dermal contact	Current site users	Mild	Low likelihood	Low	Whilst hydrocarbons have been identified within the soils at these locations the concentrations are below relevant generic acceptance criteria, therefore it is considered there is only a low-likelihood of this linkage occurring.	No
C009			Wind-blown migration of dust	Nearby residents and adjacent land users - existing and future	Mild	Unlikely	Very low	Given the depth of the contamination (~1.0m bgl) and the distance to the off-site receptors it is considered unlikely that this linkage would occur.	No
C010			Migration of ground gases and vapours followed by build-up within voids of buildings and structures	Buildings / services	Mild	Unlikely	Very low	It is unlikely this linkage could occur given the distance to the nearest current buildings / structures.	No
C011			Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Medium	Likely	Moderate	An oily sheen has been observed on the perched groundwater at OT613 and it is considered likely that leaching of contaminants from the soils could occur in this location.	Yes
C012			Surface run-off and/or transportation via drainage and groundwater	Surface waters	Medium	Low likelihood	Moderate/low	Surface run-off of contaminants is unlikely to occur given the contamination has been identified at ~1.0m bgl, however it is possible that contamination could enter poorly sealed drainage or culverts if present.	Yes

PPL #*	Source	Potential contaminants	Pathway	Receptor	Consequence of occurrence	Likelihood of occurrence	Potential significance (risk)	Comments	Further action / remediation required?
C013	Soils and groundwater within APC7 and potentially also APC7a Area of waste material containing asbestos	Lead concentrations above the Commercial / Industrial and Open Space end use GACs in TP700/1 (3,190mg/kg) and above Public Open Space GAC in TP800/26 (1,970mg/kg). Leachable contaminants (copper, zinc, lead, manganese and TPHs) above the screening criteria (EQS/DWS).	Inhalation, ingestion and dermal contact	Current site users	Medium	High likelihood	High	Given that contamination above generic acceptance criteria has been identified in shallow soils (within the top 0.5m) it is considered high likelihood that this linkage could occur.	Yes
C014			Wind-blown migration of dust	Nearby residents and adjacent land users - existing and future	Medium	Unlikely	Low	Given the distance to the nearest off-site residential receptor it is considered unlikely that this linkage could occur.	No
C015			Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Medium	Likely	Moderate	Contamination has been identified which is likely to leach and mobilise to groundwater.	Yes
C016			Surface run-off and/or transportation via drainage and groundwater	Surface waters	Medium	Likely	Moderate	Given contamination is present within shallow soils it is likely that this contamination may mobilise via surface run-off and/or groundwater/drainage and discharge to surface waters.	Yes
C017		Asbestos (chrysotile and amosite fibres) present in the form of loose fibres or contained within cement, board or insulating material. Recorded at BH617R (IOnGI) and TP700/01, TP700/02, TP800/25, TP800/26 and TP800/27 (DOnGI) and PC7TP01, PC7TP03 and PC7TP04 (2015 GI).	Inhalation	Current site users	Medium	High likelihood	High	Given contamination is present within shallow soils it is likely that this linkage could occur.	Yes
C018			Wind-blown migration of dust followed by inhalation	Surrounding land users (residential) - existing and future	Medium	Unlikely	Low	Given the distance to the nearest off-site residential receptor it is considered unlikely that this linkage could occur.	No
C019	Soils and groundwater within APC9 - SMBH14 and BH858 area	Free product, elevated hydrocarbons, phthalate and manganese within groundwater	Inhalation, ingestion and dermal contact	Current site users	Medium	Unlikely	Low	Whilst elevated concentrations of these contaminants have been identified it is considered unlikely that a linkage exists to current site receptors given the contamination has predominantly been identified within the groundwater / borehole rather than shallow soils.	No
C020			Wind-blown migration of dust	Nearby residents and adjacent land users - existing and future	Medium	Unlikely	Low	Given the contamination is predominantly within groundwater rather than shallow soils and given the distance to the off-site receptors, it is considered unlikely that this linkage would occur.	No
C021			Migration of ground gases and vapours followed by build-up within voids of buildings and structures	Buildings / services	Medium	Unlikely	Low	It is considered likely that the contaminant source could give rise to explosive vapours although given the distance to the Wylfa Newydd Generating Station it is considered unlikely that this linkage could occur. Given the concentrations recorded (and results of limited ground gas monitoring at BH858) it is considered that the consequence of occurrence may be medium.	No
C022			Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Medium	Likely	Moderate	It is considered likely that the contaminant source will continue to mobilise into groundwater.	Yes
C023			Surface run-off and/or transportation via drainage and groundwater	Surface waters	Medium	Likely	Moderate	It is considered likely that the contamination identified could discharge to drainage and/or the Irish Sea.	Yes
C024	Soils within APCs	Metals and other inorganics Organics (hydrocarbons / PAHs / (S)VOCs)	Inhalation, ingestion and dermal contact	Current site users	Mild	Unlikely	Very low	Investigation to date has not identified significant concentrations of these contaminants within the area and it is considered unlikely that this linkage would occur.	No
C025			Wind-blown migration of dust	Nearby residents and adjacent land users - existing and future	Mild	Unlikely	Very low	Given that investigation to date has not identified significant concentrations of these contaminants within the area and the distance to the nearest identified off-site residential receptor, it is considered unlikely that this linkage could occur.	No
C026			Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Mild	Likely	Moderate/low	Investigation to date has not identified significant concentrations of these contaminants however it is considered likely that soils may continue to leach contaminants to groundwater receptors.	Yes
C027			Surface run-off and/or transportation via drainage	Surface waters	Mild	Likely	Moderate/low	Investigation to date has not identified significant concentrations of these contaminants however it is considered likely that this linkage would continue to occur.	Yes
C028		Asbestos - sporadic occurrences of chrysotile asbestos, refer to report (asbestos not detected in APC15 or APC18 to date but has the potential to be present in made ground)	Inhalation	Current site users	Medium	Likely	Moderate	Investigation to date has identified sporadic occurrences of asbestos across the area therefore it is considered possible that this contamination may be present.	Yes
C029			Wind-blown migration of dust	Nearby residents and adjacent land users - existing and future	Medium	Unlikely	Low	Investigation to date has identified sporadic occurrences of asbestos across the area however given the distance to the nearest identified off-site residential receptor it is considered unlikely this linkage could occur.	No
C030		Ground gases and vapours	Migration of ground gases and vapours followed by build-up within voids of buildings and structures	Buildings / services	Medium	Unlikely	Low	Significantly elevated ground gases have been not been identified and in the current site use it is unlikely that any buildings / structures would be impacted.	No
C038			Inhalation, ingestion and dermal contact	Current site users	Minor	Low likelihood	Very low	Whilst there is the potential for isolated point sources of contamination (e.g. unrecorded sheep dips, cess pits) to be present contaminant concentrations have generally found to be limited although there is a low likelihood that the receptors will come into contact with the soils.	No

PPL #*	Source	Potential contaminants	Pathway	Receptor	Consequence of occurrence	Likelihood of occurrence	Potential significance (risk)	Comments	Further action / remediation required?
C039	Soils outside identified APC	Metals and other inorganics Organics (hydrocarbons / PAHs / (S)VOCs)	Wind-blown migration of dust	Nearby residents and adjacent land users - existing and future	Minor	Unlikely	Very low	Whilst there is potential for isolated point sources of contamination (e.g. unrecorded sheep dips, cess pits) to be present they are likely to be limited in number and extent given the agricultural nature of this area it is unlikely a linkage will occur. The presence of theWylfa Newydd Generating Station / landscape mounds will effectively break any pathways in future.	No
C040			Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Minor	Low likelihood	Very low	Whilst there is the potential for isolated point sources of contamination (e.g. unrecorded sheep dips, cess pits) to be present they are likely to be limited in number and extent given the agricultural nature of this area and therefore the likelihood of a pollutant linkage occurring is low.	No
C041			Surface run-off and/or transportation via drainage	Surface waters	Minor	Low likelihood	Very low		No
C042		Ground gases and vapours	Migration of ground gases and vapours followed by build-up within voids of buildings and structures	Buildings / services	Mild	Unlikely	Very low	Whilst there is the potential for isolated point sources of contamination to be present they are likely to be limited in number and extent and therefore it is considered unlikely that this linkage could occur.	No
C043	Soils and groundwater within APC16 (Off-site)	Metals and other inorganics Organics (hydrocarbons / PAHs / (S)VOCs)	Wind-blown migration of dust	Current site users	Medium	Unlikely	Low	It is considered unlikely that if even if contamination is present at this location this linkage could occur as it is assumed that the petrol station has hardstanding cover.	No
C044			Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Medium	Likely	Moderate	It is considered likely that if contamination is present at the petrol station site it may be migrating onto the site in groundwater	Yes
C045			Surface run-off and/or transportation via drainage	Surface waters	Medium	Likely	Moderate	It is considered unlikely that if contamination is present at the petrol station site it is (or could in future) be migrating onto the site via drainage and/or surface run-off.	Yes
C046	Soil and groundwater on Existing Power Station site (Off-site)	Metals and other inorganics Organics (hydrocarbons / PAHs / (S)VOCs)	Wind-blown migration of dust	Current site users	Medium	Unlikely	Low	Given the majority of the Existing Power Station site has hardstanding cover this linkage is considered unlikely.	No
C047			Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Mild	Low likelihood	Low	It is considered likely that if contamination is present at the Existing Power Station site it may be migrating onto the Power Station Site in groundwater however given that no significant contamination has been recorded to date across the wider Wylfa Newydd Development Area this is considered unlikely to be significant.	No

* PPL numbering is not sequential as following redesign a number of PPL identified in earlier reports have been combined, however the original numbering system has been retained.

PPL #	Source	Potential contaminants	Pathway	Receptor	Consequence of occurrence	Likelihood of occurrence	Potential significance (risk)	Comments	Further action / remediation required?
F001	Groundwater beneath Wylfa Newydd Development Area (excluding APC7 and APC9 which are assessed separately)	Elevated metals (various including widespread manganese and iron), inorganics (including widespread nitrate and ammoniacal nitrogen) Biological Oxygen Demand and Chemical Oxygen Demand. Sporadic exceedances of other determinands, including TPHs. Remainder of contaminant concentrations are generally not elevated against WQS.	Inhalation, ingestion and dermal contact	Construction workers	Mild	Low likelihood	Low	Construction workers may come into contact with groundwater, although there is a low likelihood of significant contact and contaminant concentrations are not likely to cause significant harm.	No
F002				Future site workers	Medium	Unlikely	Low	These receptors are unlikely to come into contact with underlying groundwater.	No
F003				Future agricultural workers	Medium	Unlikely	Low	These receptors are unlikely to come into contact with underlying groundwater.	No
F004			Groundwater flow into surface water receptors	Surface waters	Medium	Low likelihood	Moderate/low	Elevated concentrations of these contaminants have been identified and it is considered likely that a linkage may exist although these contaminants are generally considered to represent background concentrations or isolated exceedances.	Yes
F005			Ingestion / dermal contact (livestock)	Crops and livestock	Mild	Unlikely	Very low	It is considered unlikely that this linkage would occur.	No
F006	Soils and groundwater within APC7 - sump \ valve chamber area	Elevated TCE and associated breakdown products - maximum concentration in groundwater is 1,100µg/l. Maximum concentration in soil is 0.7µg/kg. Elevated PAHs above GAC at OT503A (west face).	Inhalation, ingestion and dermal contact	Construction workers	Medium	High likelihood	High	Elevated TCE and PAHs have been identified and construction workers in this area are likely to come into contact with site soils / impacted groundwater.	Yes
F007				Future site workers	Medium	Unlikely	Low	The sump area will need to be excavated during construction works. If the excavated material is transferred to the landscaped agricultural area no pollutant linkage will exist for future site workers.	No
F008				Future agricultural workers	Medium	Low likelihood	Moderate/low	The sump area will need to be excavated during construction works. If the excavated material is transferred to the landscaped mounds as part of the works it is possible that a linkage could occur.	Yes
F009			Wind-blown migration of dust	Nearby residents and adjacent land users	Medium	Low likelihood	Moderate/low	The sump area will need to be excavated during construction works. If the excavated material is transferred to the landscaped mounds as part of the works it is possible that a linkage could occur.	Yes
F010			Migration of ground gases and vapours followed by build-up within voids of buildings and services	Buildings / services	Medium	Unlikely	Low	The sump area will need to be excavated during construction works. If the excavated material is transferred to the landscaped agricultural area as part of the works it is considered unlikely that any vapours could affect buildings / services as they will be able to vent via soft surface cover (soil/grass on the mounds) to atmosphere.	No
F011			Leaching of contaminants into groundwater	Groundwater beneath the site	Medium	Likely	Moderate	Contamination has been identified which has the potential to leach and mobilise to groundwater once the material is placed within the mounds.	Yes
F012			Surface run-off and/or transportation via drainage and groundwater	Surface waters	Medium	Likely	Moderate	Surface run-off of contaminants is unlikely to occur once the material is placed within the landscaped mounds. However, it is possible that contamination could enter the drainage channels around the mounds.	Yes
F013			Ingestion / dermal contact (livestock)	Crops and livestock	Mild	Low likelihood	Low	If the excavated material is transferred to the landscaped agricultural area as part of the works it is possible that this linkage would occur.	No
F014	Soils and groundwater within APC7 - observation trench OT613 area	OT613 Hydrocarbons (visual and olfactory indicators). Maximum concentration in soil is 1,130mg/kg. Further investigation in the vicinity of OT613 during the DOnGI did not indicate any visual evidence of hydrocarbon contamination.	Inhalation, ingestion and dermal contact	Construction workers	Mild	High likelihood	Moderate	Free phase hydrocarbons identified, construction workers involved in the removal / remediation of this area are likely to come into contact with site soils / affected groundwater.	Yes
F015				Future site workers	Mild	Unlikely	Very low	This material is likely to be excavated during construction and used within the landscaped mounds. If it remained in-situ, the Wylfa Newydd Generating Station or surrounding hardstanding / gravel cover would break the pollutant pathway as insufficient contaminant concentrations have been identified to pose a risk via the inhalation of vapours.	No
F016				Future agricultural workers	Mild	Low likelihood	Low	If the excavated material is transferred to the landscaped agricultural area as part of the works, it is possible that this linkage would occur.	No
F017			Wind-blown migration of dust	Nearby residents and adjacent land users	Mild	Low likelihood	Low	If the excavated material is transferred to the landscaped agricultural area as part of the works it is possible that this linkage would occur although it is considered a low likelihood.	No
F018			Migration of ground gases and vapours followed by build-up within voids of buildings and structures	Buildings / services	Mild	Low likelihood	Low	If the excavated material is transferred to the landscaped agricultural area as part of the works it is considered unlikely that any vapours could affect buildings / services as they will be able to vent via soft surface cover (soil/grass on the mounds) to atmosphere.	No
F019			Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Medium	Likely	Moderate	This area is underneath the Power Staton Site and will need to be excavated during construction works. An oily sheen has been observed on the perched groundwater at OT613 and it is considered likely that leaching of contaminants from the soils would continue to occur if the material were placed into the landscaped mounds.	Yes
F020			Surface run-off and/or transportation via drainage and groundwater	Surface waters	Medium	Likely	Moderate	This area is underneath the Power Station Site and will need to be excavated during the construction works. Surface run-off of contaminants is unlikely to occur once the material is placed within the landscaped mounds. However, it is considered reasonably likely that contamination from material derived from the OT613 area could enter the drainage channels around the mounds over the longer term.	Yes
F021			Ingestion / dermal contact (livestock)	Crops and livestock	Mild	Low likelihood	Low	If the excavated material is transferred to the landscaped agricultural area as part of the works it is possible that this linkage would occur.	No

PPL #	Source	Potential contaminants	Pathway	Receptor	Consequence of occurrence	Likelihood of occurrence	Potential significance (risk)	Comments	Further action / remediation required?
F022	Soils and groundwater within APC7 and potentially also APC7a - Area of waste material containing asbestos and lead	Lead concentrations above the Commercial / Industrial and Open Space end use GACs in TP700/1 (3,190mg/kg) and above Public Open Space GAC in TP800/26 (1,970mg/kg). Leachable contaminants (copper, zinc, lead, manganese and TPHs) above the screening criteria (EQS/DWS).	Inhalation, ingestion and dermal contact	Construction workers	Medium	High likelihood	High	Metal contamination identified, construction workers involved in the removal / remediation of this area are likely to come into contact with site soils / affected groundwater.	Yes
F023				Future site workers	Medium	Unlikely	Low	This material is likely to be excavated during construction and used within the landscaped mounds. If it remained in-situ, the Wylfa Newydd Generating Station or surrounding hardstanding / gravel cover would break the pollutant pathway.	No
F024				Future agricultural workers	Medium	Low likelihood	Moderate/low	If the excavated material is transferred to the landscaped agricultural area as part of the works it is possible that this linkage would occur.	Yes
F025			Wind-blown migration of dust	Nearby residents and adjacent land users	Medium	Low likelihood	Moderate/low	If the excavated material is transferred to the landscaped agricultural area as part of the works it is possible that this linkage could occur.	Yes
F026			Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Medium	Low likelihood	Moderate/low	Contamination has been identified which is has the potential to leach and mobilise to groundwater once the material is placed within the landscaped mounds.	Yes
F027			Surface run-off and/or transportation via drainage and groundwater	Surface waters	Medium	Low likelihood	Moderate/low	Surface run-off of contaminants is unlikely to occur once the material is placed within the landscaped mounds. However, it is possible that contamination could enter the drainage channels around the mounds.	Yes
F028			Ingestion / dermal contact (livestock)	Crops and livestock	Mild	Low likelihood	Low	If the excavated material is transferred to the landscaped agricultural area as part of the works it is possible that this linkage could occur.	No
F029		Asbestos (chrysotile and amosite fibres) present in the form of loose fibres or contained within cement, board or insulating material. Recorded at BH617R (IOnGI) and TP700/01, TP700/02, TP800/25, TP800/26 and TP800/27 (DOnGI) and PC7TP01, PC7TP03 and PC7TP04 (2015 GI).	Inhalation	Construction workers	Medium	High likelihood	High	Asbestos contamination identified, construction workers involved in the removal / remediation of this area are likely to come into contact with site soils / affected groundwater.	Yes
F030				Future site workers	Medium	Unlikely	Low	This material is likely to be excavated during construction and used within the landscaped mounds. If it remained in-situ, the Wylfa Newydd Generating Station or surrounding hardstanding / gravel cover would break the pollutant pathway.	No
F031				Future agricultural workers	Medium	Low likelihood	Moderate/low	If the excavated material is transferred to the landscaped agricultural area as part of the works it is possible that this linkage would occur.	Yes
F032			Wind-blown migration of dust followed by inhalation	Surrounding land users (residential) existing and future	Medium	Low likelihood	Moderate/low	If the excavated material is transferred to the landscaped agricultural area as part of the works it is possible that this linkage could occur.	Yes
F033	Soils and groundwater within APC9 - SMBH14 and BH858 area	Free product, elevated hydrocarbons, phthalate and mercury within groundwater	Inhalation, ingestion and dermal contact	Construction workers	Medium	Likely	Moderate	Elevated concentrations of these contaminants have been identified, and it is considered likely that a linkage may exist. The cooling water outfall tunnels have been proposed for this area and therefore exposure to contaminated groundwater is considered reasonably likely.	Yes
F034			Inhalation, ingestion and dermal contact	Future agricultural workers	Medium	Unlikely	Low	Whilst elevated concentrations of these contaminants have been identified it is considered unlikely that a linkage would exist to future site users given the proposed use (managed grasslands) and depth to groundwater in this area	No
F035			Wind-blown migration of dust	Nearby residents and adjacent land users	Medium	Unlikely	Low	Given the contamination is predominantly within groundwater it is considered unlikely that this linkage would occur.	No
F036			Migration of ground gases and vapours followed by build-up within voids of buildings and structures	Buildings / services	Medium	Unlikely	Low	Given the concentraitons recorded, it is considered unlikely that the contaminant source could give rise to explosive vapours either within temporary buildings on site or within the Wylfa Newydd Generating Station or associated buildings following development.	No
F037			Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Medium	Likely	Moderate	It is considered likely that the contaminant source would continue to mobilise into groundwater.	Yes
F038			Surface run-off and/or transportation via drainage and groundwater	Surface waters	Medium	Likely	Moderate	It is considered likely that the contamination identified could discharge to drainage and/or the Irish Sea.	Yes
F039			Plant uptake (crops) and ingestion / dermal contact (livestock)	Crops and livestock	Mild	Unlikely	Very low	No farming activities occur in this area at present. The area is proposed to be managed grassland on completion of development works, however given the depth to groundwater in this area it is considered unlikely that a pollutant linkage will occur.	No

PPL #	Source	Potential contaminants	Pathway	Receptor	Consequence of occurrence	Likelihood of occurrence	Potential significance (risk)	Comments	Further action / remediation required?
F040	Soils within APCs	Metals and other inorganics Organics (hydrocarbons / PAHs / (S)VOCs)	Inhalation, ingestion and dermal contact	Construction workers	Mild	Likely	Moderate/low	Whilst only limited concentrations of these contaminants have been identified construction workers are likely to come into contact with underlying soils.	Yes
F041				Future site workers	Mild	Unlikely	Very low	This material is likely to be excavated during construction and used within the landscaped mounds. If it remained in-situ, the Power Station Site or surrounding hardstanding / gravel cover would break the pollutant pathway.	No
F042				Future agricultural workers	Mild	Low likelihood	Low	If the excavated material is transferred to the landscaped agricultural area as part of the works it is possible that this linkage could occur.	No
F043			Wind-blown migration of dust	Nearby residents and adjacent land users	Mild	Unlikely	Very low	Given that investigation to date has not identified significant concentrations of these contaminants it is considered unlikely that this linkage could occur when the material is re-used within the landscaped mounds.	No
F044			Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Mild	Low likelihood	Low	Investigation to date has not identified significant concentrations of these contaminants however it is possible that some leachable contamination exists within these areas and this material may continue to leach contaminants to groundwater after placement in the landscaped mounds.	No
F045			Surface run-off and/or transportation via drainage	Surface waters	Mild	Low likelihood	Low	Investigation to date has not identified significant concentrations of these contaminants and therefore surface run-off of contaminants is unlikely to occur once the material is placed within the landscaped mounds. It is possible that some leachable contamination exisits within these areas that has the potential to enter the drainage channels around the mounds.	No
F046			Ingestion / dermal contact (livestock)	Livestock	Mild	Low likelihood	Low	If the excavated material is transferred to the landscaped agricultural area as part of the works it is possible that this linkage could occur.	No
F047		Asbestos - sporadic occurrences of chrysotile asbestos, refer to report (asbestos not detected in APC15 or APC18 to date and no information available on APC20 but has the potential to be present in made ground)	Inhalation	Construction workers	Medium	Likely	Moderate	Investigation to date has identified sporadic occurrences of asbestos across the area: therefore, it is considered possible that this contamination may be present.	Yes
F048				Future site workers	Medium	Unlikely	Low	This material is likely to be excavated during construction and used within the landscaped mounds. If it remained in-situ, the Wylfa Newydd Generating Station or surrounding hardstanding / gravel cover would break the pollutant pathway.	No
F049				Future agricultural workers	Medium	Low likelihood	Moderate/low	If the excavated material is transferred to the landscaped agricultural area as part of the works it is possible that this linkage could occur.	Yes
F050			Wind-blown migration of dust	Nearby residents and adjacent land users	Medium	Low likelihood	Moderate/low	If the excavated material is transferred to the landscaped agricultural area as part of the works, it is possible that this linkage could occur.	Yes
F051		Ground gases and vapours	Migration of ground gases and vapours followed by build-up within voids of buildings and structures	Buildings / services	Medium	Unlikely	Low	Significant contamination likely to give rise to explosive ground gases and/or vapours has not identified and therefore the likelihood of a linkage existing is low.	No

PPL #	Source	Potential contaminants	Pathway	Receptor	Consequence of occurrence	Likelihood of occurrence	Potential significance (risk)	Comments	Further action / remediation required?
F064	Soils outside identified APC, including isolated point sources of contamination (e.g. sheep dips, cess pits etc.)	Metals and other inorganics Organics (hydrocarbons / PAHs / (S)VOCs)	Inhalation, ingestion and dermal contact	Construction workers	Minor	Low likelihood	Very low	Whilst there is the potential for isolated point sources of contamination (e.g. unrecorded sheep dips, cess pits) to be present contaminant concentrations have generally found to be limited although there is a low likelihood that the receptors will come into contact with affected soils.	No
F065				Future site workers	Minor	Unlikely	Very low	Whilst there is the potential for isolated point sources of contamination (e.g. unrecorded sheep dips, cess pits) to be present contaminant concentrations have generally found to be limited and future site users will be isolated from underlying soils by theWylfa Newydd Generating Station, associated hardstanding or gravel cover.	No
F066				Future agricultural workers	Minor	Low likelihood	Very low	Whilst there is the potential for isolated point sources of contamination (e.g. unrecorded sheep dips, cess pits) to be present contaminant concentrations have generally found to be limited and there is a low likelihood that the receptor will come into contact with the affected material.	No
F067			Wind-blown migration of dust	Nearby residents and adjacent land users	Minor	Unlikely	Very low	Whilst there is potential for isolated point sources of contamination (e.g. unrecorded sheep dips, cess pits) to be present they are likely to be limited in number and extent and it is unlikely a linkage will occur.	No
F068			Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Minor	Low likelihood	Very low	Whilst there is potential for isolated point sources of contamination (e.g. unrecorded sheep dips, cess pits) to be present they are likely to be limited in number and extent and it is unlikely a linkage will occur.	No
F069			Surface run-off and/or transportation via drainage	Surface waters	Minor	Low likelihood	Very low	Whilst there is potential for isolated point sources of contamination (e.g. unrecorded sheep dips, cess pits) to be present they are likely to be limited in number and extent and it is unlikely a linkage will occur.	No
F070			Ingestion / dermal contact (livestock)	Crops and livestock	Minor	Low likelihood	Very low	Whilst there is potential for isolated point sources of contamination (e.g. unrecorded sheep dips, cess pits) to be present they are likely to be limited in number and extent and it is unlikely a linkage will occur.	No
F071		Ground gases and vapours	Migration of ground gases and vapours followed by build-up within voids of buildings and structures	Buildings / services	Mild	Unlikely	Very low	Significant contamination likely to give rise to explosive ground gases and/or vapours has not identified and therefore the likelihood of a linkage existing is low.	No
F072	Soils and groundwater within APC16 (Off-site)	Metals and other inorganics Organics (hydrocarbons / PAHs / (S)VOCs)	Inhalation, ingestion and dermal contact	Construction workers	Medium	Unlikely	Low	Construction workers may come into contact with impacted groundwater that has migrated on-site from the petrol station, although there is a low likelihood of significant contact and contaminant concentrations are not likely to cause significant harm.	No
F073				Future site workers	Medium	Unlikely	Low	Receptors are unlikely to come into contact with impacted groundwater and therefore a linkage is unlikely to exist. The petrol station is located off-site and therefore no direct linkages will exist.	No
F074				Future agricultural workers	Medium	Unlikely	Low	Receptors are unlikely to come into contact with impacted groundwater and therefore a linkage is unlikely to exist. The petrol station is located off-site and therefore no direct linkages will exist.	No
F075			Wind-blown migration of dust	Construction workers	Medium	Unlikely	Low	It is considered unlikely that if even if contamination is present at this location this linkage could occur as it is assumed that the petrol station has hardstanding cover.	No
F076				Future site workers	Medium	Unlikely	Low	It is considered unlikely that if even if contamination is present at this location this linkage could occur as it is assumed that the petrol station has hardstanding cover.	No
F077			Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Medium	Likely	Moderate	It is considered likely that if contamination is present at the petrol station site it may be migrating onto the site via groundwater.	Yes
F078			Surface run-off and/or transportation via drainage	Surface waters	Medium	Unlikely	Low	It is considered unlikely that contamination from the petrol station would affect surface waters or drainage on the Wylfa Newydd Development Area.	No
F079	Soil and groundwater on Existing Power Station Site (Off-site)	Metals and other inorganics Organics (hydrocarbons / PAHs / (S)VOCs)	Wind-blown migration of dust	Construction workers	Medium	Unlikely	Low	Given the majority of the Existing Power Station site has hardstanding cover this linkage is considered unlikely.	No
F080				Future site workers	Medium	Unlikely	Low	Given the majority of the Existing Power Station site has hardstanding cover this linkage is considered unlikely.	No
F081			Leaching of contaminants and mobilisation into groundwater	Groundwater beneath the site	Mild	Low likelihood	Low	It is possible that contamination from the Existing Power Station site is migrating onto the Wylfa site in groundwater, however given that no significant contamination has been recorded to date across the wider Wylfa Newydd Development Area it is not considered significant.	No

* PPL numbering is not sequential as following redesign a number of PPL identified in earlier reports have been combined, however the original numbering system has been retained.

Appendix D. Human health risk assessment

													Borehole ID	TP315	TP315	TP316	TP316	TP317	TP317	TP318	TP319	TP320	BH312	BH312	BH313	BH313	BH314	BH314	BH312	BH313	BH313	BH313	BH313
													Depth	0.50	2.80	0.40	0.70	0.50	2.90	0.50	0.50	0.50	0.50	1.50	0.50	2.50	0.50	1.00	1.00	1.00	1.20	2.00	3.00
													Phase	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI
AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial / Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	Min. Value	Max. Value	Total no. of results	No. of results <LOD																					
AS	Arsenic	SOLID_ACID	mg/kg	1	640	170	640	170	1.0	14.0	20	9		*1.0*	3.0	2.0	5.0	3.0	2.0	*1.0*	10.0	6.0	*1.0*	*1.0*	*1.0*	14.0	*1.0*	*1.0*	*1.0*	*1.0*	8.0	12.0	3.0
CD	Cadmium	SOLID_ACID	mg/kg	0.5	410	880	190	532	0.5	0.5	20	20		*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*
CO	Cobalt	SOLID_ACID	mg/kg	1	-	-	-	-	5.0	14.0	15	0		10.0	7.0	7.0	5.0	7.0	14.0	5.0	9.0	10.0	10.0	11.0	11.0	11.0	6.0	12.0					
CR	Chromium	SOLID_ACID	mg/kg	1	-	-	8600	33000	6.0	31.0	20	0		9.0	15.0	12.0	19.0	16.0	10.0	6.0	31.0	22.0	13.0	12.0	18.0	28.0	10.0	11.0	12.0	13.0	23.0	21.0	16.0
CU	Copper	SOLID_ACID	mg/kg	1	-	-	68000	44000	7.0	84.0	20	0		31.0	9.0	84.0	32.0	7.0	15.0	12.0	10.0	17.0	25.0	51.0	26.0	41.0	19.0	16.0	36.0	29.0	18.0	44.0	14.0
HG	Mercury	SOLID_ACID	mg/kg	0.17	-	-	1100	240	0.2	0.2	20	19		*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*
MN	Manganese	SOLID_ACID	mg/kg	1	-	-	-	-	382.0	1050.0	15	0		795.0	382.0	626.0	810.0	466.0	876.0	420.0	687.0	1050.0	801.0	950.0	787.0	669.0	458.0	766.0					
MO	Molybdenum	SOLID_ACID	mg/kg	1	-	-	-	-	1.0	1.0	15	15		*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*					
NI	Nickel	SOLID_ACID	mg/kg	1	-	-	980	3400	7.0	21.0	20	0		13.0	8.0	16.0	11.0	12.0	19.0	7.0	16.0	15.0	15.0	17.0	16.0	17.0	9.0	15.0	15.0	17.0	21.0	18.0	17.0
PB	Lead	SOLID_ACID	mg/kg	1	2300	1300	-	-	3.0	39.0	20	0		3.0	13.0	39.0	26.0	6.0	5.0	6.0	14.0	14.0	8.0	17.0	7.0	21.0	4.0	4.0	14.0	4.0	13.0	21.0	6.0
SE	Selenium	SOLID_ACID	mg/kg	1	-	-	12000	1800	1.0	2.0	20	18		*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	2.0	*1.0*	*1.0*	*1.0*	*1.0*	2.0	*1.0*	*1.0*
ZN	Zinc	SOLID_ACID	mg/kg	5	-	-	730000	170000	30.0	413.0	20	0		65.0	30.0	413.0	112.0	46.0	67.0	36.0	55.0	58.0	78.0	244.0	72.0	92.0	47.0	76.0	136.0	80.0	77.0	95.0	62.0
B	Boron	-	mg/kg	1	-	-	240000	46000	1.0	1.6	15	14		*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	1.6	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*					

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

												Borehole ID	BH312	BH312	BH313	BH313	BH314	BH314
												Depth	0.50	1.50	0.50	2.50	0.50	1.00
												Phase	PSI	PSI	PSI	PSI	PSI	PSI
AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	Min. Value	Max. Value	Total no. of results	No. of results <LOD							
ACNAP	Acenaphthylene	SOLID	mg/kg	0.1	-	-	83000	29000	0.1	0.1	6	6		*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
ACNEN	Acenaphthene	SOLID	mg/kg	0.1	-	-	84000	29000	0.1	0.1	6	6		*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
ANTHN	Anthracene	SOLID	mg/kg	0.1	-	-	520000	150000	0.1	0.1	6	6		*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
BENA	Benzo(a)anthracene	SOLID	mg/kg	0.1	-	-	170	49	0.1	0.1	6	6		*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
BENAP	Benzo(a)pyrene	SOLID	mg/kg	0.1	77	21	35	11	0.1	0.1	6	6		*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
BENB	Benzo(b)fluoranthene	SOLID	mg/kg	0.1	-	-	44	13	0.1	0.1	6	6		*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
BENGI	Benzo(ghi)perylene	SOLID	mg/kg	0.1	-	-	3900	1400	0.1	0.1	6	6		*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
BENK	Benzo(k)fluoranthene	SOLID	mg/kg	0.1	-	-	1200	370	0.1	0.1	6	6		*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
CRYN	Chrysene	SOLID	mg/kg	0.1	-	-	350	93	0.1	0.1	6	6		*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
DIABN	Dibenzo(ah)anthracene	SOLID	mg/kg	0.1	-	-	3.5	1.1	0.1	0.1	6	6		*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
FLN	Fluorene	SOLID	mg/kg	0.1	-	-	63000	20000	0.1	0.1	6	6		*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
FLNN	Fluoranthene	SOLID	mg/kg	0.1	-	-	23000	6300	0.1	0.1	6	6		*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
INDP	Indeno(123-cd)pyrene	SOLID	mg/kg	0.1	-	-	500	150	0.1	0.1	6	6		*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
NAPTHH	Naphthalene	SOLID	mg/kg	0.1	-	-	190	1200	0.1	0.1	6	6		*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
PPENN	Phenanthrene	SOLID	mg/kg	0.1	-	-	22000	6200	0.1	0.1	6	6		*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
PYRN	Pyrene	SOLID	mg/kg	0.1	-	-	54000	15000	0.1	0.1	6	6		*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

													Borehole ID	TP315	TP315	TP316	TP316	TP317	TP317	TP318	TP319	TP320	BH312	BH312	BH313	BH313	BH314	BH314	BH312	BH313	BH313	BH313	BH313
													Depth	0.50	2.80	0.40	0.70	0.50	2.90	0.50	0.50	0.50	0.50	1.50	0.50	2.50	0.50	1.00	1.00	1.00	1.20	2.00	3.00
													Phase	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI
AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	Min. Value	Max. Value	Total no. of results	No. of results <LOD																						
BENZ	BTEX - Benzene	SOLID	mg/kg	0.01	98	230	27	90	0.01	0.01	20	20		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C06GAL	Ali >C5-C6	SOLID	mg/kg	0.01	-	-	3200	95000	0.01	0.01	20	20		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C07GAR	Aro >C5-C7	SOLID	mg/kg	0.01	-	-	26000	76000	0.01	0.01	20	20		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C35ALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	0.1	0.1	20	20		*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*
C05C35GAL	Total Aliphatics	SOLID	mg/kg	0.1	-	-	-	-	0.1	0.1	20	20		*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*
C05C35GAR	Total Aromatics	SOLID	mg/kg	0.1	-	-	-	-	0.1	0.1	20	20		*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*
C06C08GAL	Ali >C6-C8	SOLID	mg/kg	0.01	-	-	7800	150000	0.01	0.01	20	20		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C07C08GAR	Aro >C7-C8	SOLID	mg/kg	0.01	-	-	-	-	0.01	0.01	20	20		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C08C09GAR	Aro >C8-C9	SOLID	mg/kg	0.01	-	-	3500	7200	0.01	0.02	20	19		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*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*
C08C10GAL	Ali >C8-C10	SOLID	mg/kg	0.01	-	-	2000	14000	0.01	0.07	20	19		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*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*
C09C10GAR	Aro >C9-C10	SOLID	mg/kg	0.01	-	-	-	-	0.01	0.01	20	20		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C10C12GAL	Ali >C10-C12	SOLID	mg/kg	0.1	-	-	9700	21000	0.1	0.1	20	20		*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*
C10C12GAR	Aro >C10-C12	SOLID	mg/kg	0.1	-	-	16000	9200	0.1	0.1	20	20		*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*
C12C16GAL	Ali >C12-C16	SOLID	mg/kg	0.1	-	-	59000	25000	0.1	0.1	20	20		*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*
C12C16GAR	Aro >C12-C16	SOLID	mg/kg	0.1	-	-	36000	10000	0.1	0.1	20	20		*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*
C16C21GAL	Ali >C16-C21	SOLID	mg/kg	0.1	-	-	1600000	450000	0.1	0.1	20	20		*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*
C16C21GAR	Aro >C16-C21	SOLID	mg/kg	0.1	-	-	28000	7600	0.1	0.1	20	20		*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*
C21C35GAL	Ali >C21-C35	SOLID	mg/kg	0.1	-	-	-	-	0.1	0.1	20	20		*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*
C21C35GAR	Aro >C21-C35	SOLID	mg/kg	0.1	-	-	28000	7800	0.1	0.1	20	20		*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*
ETHYL	BTEX - Ethyl Benzene	SOLID	mg/kg	0.01	-	-	5700	17000	0.01	0.01	20	20		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID	mg/kg	0.01	-	-	-	-	0.01	0.01	20	20		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MXYL	BTEX - m & p Xylene	SOLID	mg/kg	0.01	-	-	6200	17000	0.01	0.01	20	20		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
OXYL	BTEX - o Xylene	SOLID	mg/kg	0.01	-	-	6600	17000	0.01	0.01	20	20		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
TOL	BTEX - Toluene	SOLID	mg/kg	0.01	-	-	56000	87000	0.01	0.01	20	20		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

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Reference should be made to the report for further information on the generic assessment criteria used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	Min. Value	Max. Value	Total no. of results	No. of results <LOD	Borehole ID	BH312	BH312	BH313	BH313	BH314	BH314
													Depth	0.50	1.50	0.50	2.50	0.50	1.00
													Phase	PSI	PSI	PSI	PSI	PSI	PSI
1112TCE	1,1,1,2-Tetrachloroethane	SOLID	ug/kg	11	-	-	110000	1500000	11	11	6	6		*11*	*11*	*11*	*11*	*11*	*11*
111TCE	1,1,1-Trichloroethane	SOLID	ug/kg	12	-	-	660000	57000000	12	12	6	6		*12*	*12*	*12*	*12*	*12*	*12*
1122TCE	1,1,2,2-Tetrachloroethane	SOLID	ug/kg	15	-	-	270000	1800000	15	15	6	6		*15*	*15*	*15*	*15*	*15*	*15*
112TCE	1,1,2-Trichloroethane	SOLID	ug/kg	9	-	-	-	-	9	9	6	6		*9*	*9*	*9*	*9*	*9*	*9*
11DCP	1,1-Dichloropropene	SOLID	ug/kg	13	-	-	-	-	13	13	6	6		*13*	*13*	*13*	*13*	*13*	*13*
11DEA	1,1-Dichloroethane	SOLID	ug/kg	8	-	-	-	-	8	8	6	6		*8*	*8*	*8*	*8*	*8*	*8*
11DEE	1,1-Dichloroethene	SOLID	ug/kg	9	-	-	-	-	9	9	6	6		*9*	*9*	*9*	*9*	*9*	*9*
123TCB	1,2,3-Trichlorobenzene	SOLID	ug/kg	12	-	-	102000	770000	12	12	6	6		*12*	*12*	*12*	*12*	*12*	*12*
123TCP	1,2,3-Trichloropropane	SOLID	ug/kg	13	-	-	-	-	13	13	6	6		*13*	*13*	*13*	*13*	*13*	*13*
124TCB	1,2,4-Trichlorobenzene	SOLID	ug/kg	9	-	-	220000	1700000	9	9	6	6		*9*	*9*	*9*	*9*	*9*	*9*
124TMB	1,2,4-Trimethylbenzene	SOLID	ug/kg	10	-	-	-	-	10	10	6	6		*10*	*10*	*10*	*10*	*10*	*10*
12D3C	1,2-Dibromo-3-chloropropane	SOLID	ug/kg	11	-	-	-	-	11	11	6	6		*11*	*11*	*11*	*11*	*11*	*11*
12DB	1,2-Dichlorobenzene	SOLID	ug/kg	8	-	-	2000000	24000000	8	8	6	6		*8*	*8*	*8*	*8*	*8*	*8*
12DEA	1,2-Dichloroethane	SOLID	ug/kg	10	-	-	670	21000	10	10	6	6		*10*	*10*	*10*	*10*	*10*	*10*
12DEE	cis 1,2-Dichloroethene	SOLID	ug/kg	9	-	-	-	-	9	9	6	6		*9*	*9*	*9*	*9*	*9*	*9*
12DIB	1,2-Dibromoethane	SOLID	ug/kg	14	-	-	-	-	14	14	6	6		*14*	*14*	*14*	*14*	*14*	*14*
12DP	1,2-Dichloropropane	SOLID	ug/kg	10	-	-	-	-	10	10	6	6		*10*	*10*	*10*	*10*	*10*	*10*
135TMB	1,3,5-Trimethylbenzene	SOLID	ug/kg	8	-	-	-	-	8	8	6	6		*8*	*8*	*8*	*8*	*8*	*8*
13DB	1,3-Dichlorobenzene	SOLID	ug/kg	8	-	-	30000	390000	8	8	6	6		*8*	*8*	*8*	*8*	*8*	*8*
13DCPE	cis 1,3-Dichloropropene	SOLID	ug/kg	25	-	-	-	-	25	25	6	6		*25*	*25*	*25*	*25*	*25*	*25*
13DP	1,3-Dichloropropane	SOLID	ug/kg	7	-	-	-	-	7	7	6	6		*7*	*7*	*7*	*7*	*7*	*7*
14DB	1,4-Dichlorobenzene	SOLID	ug/kg	11	-	-	4400000	36000000	11	11	6	6		*11*	*11*	*11*	*11*	*11*	*11*
22DP	2,2-Dichloropropane	SOLID	ug/kg	10	-	-	-	-	10	10	6	6		*10*	*10*	*10*	*10*	*10*	*10*
2CT	2-Chlorotoluene	SOLID	ug/kg	14	-	-	-	-	14	14	6	6		*14*	*14*	*14*	*14*	*14*	*14*
4CT	4-Chlorotoluene	SOLID	ug/kg	9	-	-	-	-	9	9	6	6		*9*	*9*	*9*	*9*	*9*	*9*
4IPT	4-Isopropyltoluene	SOLID	ug/kg	8	-	-	-	-	8	8	6	6		*8*	*8*	*8*	*8*	*8*	*8*
BENZ	BTEX - Benzene	SOLID_DRY	ug/kg	9	-	-	27	90	9	9	6	-		*9*	*9*	*9*	*9*	*9*	*9*
BROMBE	Bromobenzene	SOLID	ug/kg	14	-	-	-	-	14	14	6	6		*14*	*14*	*14*	*14*	*14*	*14*
BROMCM	Bromochloromethane	SOLID	ug/kg	10	-	-	-	-	10	10	6	6		*10*	*10*	*10*	*10*	*10*	*10*
BROMF	Bromoform	SOLID	ug/kg	12	-	-	-	-	12	12	6	6		*12*	*12*	*12*	*12*	*12*	*12*
BROMM	Bromomethane	SOLID	ug/kg	9	-	-	-	-	9	9	6	6		*9*	*9*	*9*	*9*	*9*	*9*
BROMO	Bromodichloromethane	SOLID	ug/kg	11	-	-	-	-	11	11	6	6		*11*	*11*	*11*	*11*	*11*	*11*
CBENZ	Chlorobenzene	SOLID	ug/kg	7	-	-	56000	1300000	7	7	6	6		*7*	*7*	*7*	*7*	*7*	*7*
CDS	Carbon Disulphide	SOLID	ug/kg	9	-	-	11000	1300000	9	9	6	6		*9*	*9*	*9*	*9*	*9*	*9*
CETH	Chloroethane	SOLID	ug/kg	12	-	-	-	-	12	12	6	6		*12*	*12*	*12*	*12*	*12*	*12*
CFM	Chloroform	SOLID	ug/kg	10	-	-	99000	2600000	10	10	6	6		*10*	*10*	*10*	*10*	*10*	*10*
CMN	Chloromethane	SOLID	ug/kg	12	-	-	-	-	12	12	6	6		*12*	*12*	*12*	*12*	*12*	*12*
CTET	Carbon Tetrachloride	SOLID	ug/kg	11	-	-	2900	190000	11	11	6	6		*11*	*11*	*11*	*11*	*11*	*11*
DCFM	Dichlorodifluoromethane	SOLID	ug/kg	13	-	-	-	-	13	13	6	6		*13*	*13*	*13*	*13*	*13*	*13*
DIBM	Dibromochloromethane	SOLID	ug/kg	9	-	-	-	-	9	9	6	6		*9*	*9*	*9*	*9*	*9*	*9*
DIBROM	Dibromomethane	SOLID	ug/kg	12	-	-	-	-	12	12	6	6		*12*	*12*	*12*	*12*	*12*	*12*
DICM	Dichloromethane VOC	SOLID	ug/kg	10	-	-	-	-	10	10	6	6		*10*	*10*	*10*	*10*	*10*	*10*
ETHYL	BTEX - Ethyl Benzene	SOLID_DRY	ug/kg	9	-	-	5700	17000	9	9	6	-		*9*	*9*	*9*	*9*	*9*	*9*
HEXBUT	Hexachlorobutadiene	SOLID	ug/kg	15	-	-	-	-	15	15	6	6		*15*	*15*	*15*	*15*	*15*	*15*
IPB	Isopropylbenzene	SOLID	ug/kg	9	-	-	-	-	9	9	6	6		*9*	*9*	*9*	*9*	*9*	*9*
MXYL	BTEX - m & p Xylene	SOLID_DRY	ug/kg	13	-	-	6200	17000	13	13	6	-		*13*	*13*	*13*	*13*	*13*	*13*
NBUT	n-Butylbenzene	SOLID	ug/kg	7	-	-	-	-	7	7	6	6		*7*	*7*	*7*	*7*	*7*	*7*
NPB	n-Propylbenzene	SOLID	ug/kg	6	-	-	-	-	6	6	6	6		*6*	*6*	*6*	*6*	*6*	*6*
OXYL	BTEX - o Xylene	SOLID_DRY	ug/kg	11	-	-	6600	17000	11	11	6	-		*11*	*11*	*11*	*11*	*11*	*11*
SECB	sec-Butylbenzene	SOLID	ug/kg	8	-	-	-	-	8	8	6	6		*8*	*8*	*8*	*8*	*8*	*8*
STY	Styrene	SOLID	ug/kg	11	-	-	-	-	11	11	6	6		*11*	*11*	*11*	*11*	*11*	*11*
T12DE	trans 1,2-Dichloroethene	SOLID	ug/kg	12	-	-	-	-	12	12	6	6		*12*	*12*	*12*	*12*	*12*	*12*
T13DP	trans 1,3-Dichloropropene	SOLID	ug/kg	27	-	-	-	-	27	27	6	6		*27*	*27*	*27*	*27*	*27*	*27*
TCFE	Trichlorofluoromethane	SOLID	ug/kg	7	-	-	-	-	7	7	6	6		*7*	*7*	*7*	*7*	*7*	*7*
TERTB	tert-Butylbenzene	SOLID	ug/kg	12	-	-	-	-	12	12	6	6		*12*	*12*	*12*	*12*	*12*	*12*
TETC	Tetrachloroethene	SOLID	ug/kg	9	-	-	19000	810000	9	9	6	6		*9*	*9*	*9*	*9*	*9*	*9*
TOL	BTEX - Toluene	SOLID_DRY	ug/kg	6	-	-	56000	87000	6	6	6	-		*6*	*6*	*6*	*6*	*6*	*6*
TRCE	Trichloroethene	SOLID	ug/kg	9	-	-	1200	70000	9	9	6	6		*9*	*9*	*9*	*9*	*9*	*9*
VCHL	Vinyl Chloride	SOLID	ug/kg	10	-	-	59	4800	10	10	6	6		*10*	*10*	*10*	*10*	*10*	*10*
-	Methyl Tertiary Butyl Ether	-	µg/kg	9	-	-	-	-	9	9	6	6		*9*	*9*	*9*	*9*	*9*	*9*
-	Naphthalene	-	µg/kg	7	-	-	-	-	7	7	6	6		*7*	*7*	*7*	*7*	*7*	*7*
-	Tert-amyl methyl ether	-	µg/kg	7	-	-	-	-	7	7	6	6		*7*	*7*	*7*	*7*	*7*	*7*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

													Borehole ID	BH312	BH312	BH313	BH313	BH314	BH314
													Depth	0.50	1.50	0.50	2.50	0.50	1.00
													Phase	PSI	PSI	PSI	PSI	PSI	PSI
AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial / Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial / Industrial (1970s office)	S4UL Public Space (park)	Min. Value	Max. Value	Total no. of results	No. of results <LOD							
124TCB	1,2,4-Trichlorobenzene	SOLID_SVOC	ug/kg	100	-	-	220000	1700000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
12DB	1,2-Dichlorobenzene	SOLID_SVOC	ug/kg	100	-	-	2000000	24000000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
13DB	1,3-Dichlorobenzene	SOLID_SVOC	ug/kg	100	-	-	30000	390000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
14DB	1,4-Dichlorobenzene	SOLID_SVOC	ug/kg	100	-	-	4400000	36000000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
245TCP	2,4,5-Trichlorophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
246TCP	2,4,6-Trichlorophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
24DCP	2,4-Dichlorophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
24DMP	2,4-Dimethylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
24DNT	2,4-Dinitrotoluene	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
26DNT	2,6-Dinitrotoluene	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
2CNAP	2-Chloronaphthalene	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
2CP	2-Chlorophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
2MNAP	2-Methylnaphthalene	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
2MP	2-Methylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
2NP	2-Nitrophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
4C3MP	4-Chloro-3-methylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
4MP	4-Methylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
4NP	4-Nitrophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
ACNAP	Acenaphthylene	SOLID_DRY	ug/kg	100	-	-	83000000	29000000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
ACNEN	Acenaphthene	SOLID_DRY	ug/kg	100	-	-	84000000	29000000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
ANTHN	Anthracene	SOLID_DRY	ug/kg	100	-	-	520000000	150000000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
B2CEM	Bis(2-chloroethoxy)methane	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
B2CIPE	Bis(2-chloroisopropyl)ether	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
B2EHP	Bis(2-ethylhexyl)phthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
BENA	Benzo(a)anthracene	SOLID_DRY	ug/kg	100	-	-	170000	49000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
BENAP	Benzo(a)pyrene	SOLID_DRY	ug/kg	100	77000	21000	35000	11000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
BENB	Benzo(b)fluoranthene	SOLID_DRY	ug/kg	100	-	-	44000	13000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
BENGI	Benzo(ghi)perylene	SOLID_DRY	ug/kg	100	-	-	3900000	1400000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
BENK	Benzo(k)fluoranthene	SOLID_DRY	ug/kg	100	-	-	1200000	370000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
CBZ	Carbazole	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
CRYN	Chrysene	SOLID_DRY	ug/kg	100	-	-	350000	93000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
DBF	Dibenzofuran	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
DEP	Diethyl phthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
DIABN	Dibenzo(ah)anthracene	SOLID_DRY	ug/kg	100	-	-	3500	1100	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
DIMP	Dimethyl phthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
DNBP	n-Dibutylphthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
FLN	Fluorene	SOLID_SVOC	ug/kg	100	-	-	63000000	20000000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
FLNN	Fluoranthene	SOLID_SVOC	ug/kg	100	-	-	23000000	6300000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
HCCP	Hexachlorocyclopentadiene	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
HCE	Hexachloroethane	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
HCHLB	Hexachlorobenzene	SOLID_SVOC	ug/kg	100	-	-	110000	30000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
HEXBUT	Hexachlorobutadiene	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
INDP	Indeno(123-cd)pyrene	SOLID_SVOC	ug/kg	100	-	-	500000	150000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
ISOP	Isophorone	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
NAPTHH	Naphthalene	SOLID_DRY	ug/kg	100	-	-	190000	1200000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
NITB	Nitrobenzene	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
NNNP	n-Nitroso-n-dipropylamine	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
PHE	Phenol SVOC	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
PNCP	Pentachlorophenol	SOLID_SVOC	ug/kg	100	-	-	400000	110000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
PPENN	Phenanthrene	SOLID_DRY	ug/kg	100	-	-	22000000	6200000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
PYRN	Pyrene	SOLID_DRY	ug/kg	100	-	-	54000000	15000000	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
-	2-Nitroaniline (S)	-	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
-	3-Nitroaniline	-	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
-	4-Bromophenylphenylether	-	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
-	4-Chloroaniline	-	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
-	4-Chlorophenylphenylether	-	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
-	4-Nitroaniline	-	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
-	Azobenzene (S)	-	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
-	Butylbenzyl phthalate	-	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*
-	Din-Octyl phthalate	-	ug/kg	100	-	-	-	-	100	100	6	6		*100*	*100*	*100*	*100*	*100*	*100*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

| | | |

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	OT501 11/01219 /10	OT501 11/01219 /11	OT501 11/01219 /12	OT501 11/01219 /9	OT502A 11/01219 /1	OT502A 11/01219 /2	OT502B 11/01219 /3	OT502B 11/01219 /4	OT502B 11/01219 /5	OT502C 11/01219 /6	OT502C 11/01219 /7	OT502C 11/01219 /8	OT503B 11/01219 /13	OT503B 11/01219 /14	OT503B 11/01219 /15	TP571 11/01099 /2	TP571 11/01099 /3	TP571 11/01099 /4	TP572 11/01099 /6	TP572 11/01099 /7	TP573 11/01099 /10	TP573 11/01099 /9	TP574 11/01099 /12	TP574 11/01099 /13	TP574 11/01099 /14	TP575 11/01099 /16	TP575 11/01099 /17	TP576 11/01095 /2	TP576 11/01095 /3	TP577 11/01095 /5	TP577 11/01095 /6	TP578 11/01095 /8
									0.9	1.8	3.3	0.3	0.5	0.8	0.5	0.9	1.3	0.5	0.9	1.4	0.6	1.9	3	0.3	1	2.7	0.3	1.2	0.9	0.2	0.2	0.5	1.9	0.3	0.6	0.4	1.3	0.3	0.7	0.4
									IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI
AS	Arsenic	SOLID_ACID	mg/kg	1	640	170	640	170	4	5	2	2	10	5	*1*	2	3	*1*	*1*	5	4	3	3	8	7	7	6	7	5	6	4	4	2	7	5	3	*1*	5	*1*	4
CD	Cadmium	SOLID_ACID	mg/kg	0.5	410	880	190	532	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*
CO	Cobalt	SOLID_ACID	mg/kg	1	-	-	-	-	6	6	12	12	14	12	12	13	13	12	13	9	6	11	7	12	11	12	6	9	9	6	10	10	13	7	6	11	14	9	11	5
CR	Chromium	SOLID_ACID	mg/kg	1	-	-	8600	33000	17	18	16	30	19	17	13	16	16	14	18	20	15	18	12	23	23	21	19	22	28	21	20	17	12	20	18	12	14	8	12	16
CU	Copper	SOLID_ACID	mg/kg	1	-	-	68000	44000	21	15	36	47	62	47	30	28	21	11	30	25	12	27	17	30	28	39	12	17	23	14	23	29	18	20	11	57	36	28	27	15
HG	Mercury	SOLID_ACID	mg/kg	0.17	-	-	1100	240	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*
MN	Manganese	SOLID_ACID	mg/kg	1	-	-	-	-	597	602	1030	836	1210	1060	927	1180	1190	1080	1290	505	893	924	892	1150	950	964	571	864	704	786	989	670	1000	971	400	823	944	907	898	566
MO	Molybdenum	SOLID_ACID	mg/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	3	*1*	*1*
NI	Nickel	SOLID_ACID	mg/kg	1	-	-	980	3400	11	11	17	18	21	18	16	18	18	17	20	14	10	18	13	26	24	22	10	12	17	10	15	15	15	10	10	15	16	11	13	9
PB	Lead	SOLID_ACID	mg/kg	1	2300	1300	-	-	21	17	13	19	28	24	7	11	12	5	13	15	14	11	9	8	7	8	16	16	9	19	12	11	4	22	12	22	3	14	3	15
SE	Selenium	SOLID_ACID	mg/kg	1	-	-	12000	1800	*1*	2	2	*1*	2	*1*	*1*	*1*	*1*	*1*	2	2	2	2	*1*	2	*1*	*1*	*1*	*1*	*1*	2	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
ZN	Zinc	SOLID_ACID	mg/kg	5	-	-	730000	170000	57	120	229	88	141	115	86	137	107	85	136	114	43	118	109	48	51	58	38	54	48	44	70	156	59	63	31	169	81	47	72	32

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

									TP578	TP579	TP579	TP580	TP580	TP700/1	TP700/1	TP700/1	TP700/10	TP700/10	TP700/11	TP700/11	TP700/11	TP700/12	TP700/12	TP700/12	TP700/13	TP700/13	TP700/14	TP700/14	TP700/15	TP700/15	TP700/16	TP700/17	TP700/17	TP700/17	TP700/18	TP700/18	TP700/19	TP700/19	TP700/2	TP700/2
									11/01095/9	11/01095/11	11/01095/12	11/01095/14	11/01095/15	14/02933/5	14/02933/6	14/02933/8	14/02933/22	14/02933/24	14/02948/1	14/02948/2	14/02948/3	14/02933/25	14/02933/26	14/02933/27	14/02933/30	14/02933/31	14/02933/28	14/02933/29	14/03132/12	14/03132/13	14/03039/1	14/02933/32	14/02933/33	14/02933/34	14/02948/4	14/02948/5	14/03039/3	14/03039/4	14/02933/10	14/02933/9
									1.5	0.8	2.1	1.1	2.2	0.3	0.95	2	0.4	1.4	0.5	1	2	0.4	1	1.3	0.5	1	0.3	0.75	0.5	1	0.3	0.5	1	1.3	0.4	1	0.5	1	1.3	0.85
									IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**	**C4SL Commercial/ Industrial (1970s office)**	**C4SL Public Space 2**	**S4UL Commercial/ Industrial (1970s office)**	**S4UL Public Space (park)**																																
AS	Arsenic	SOLID_ACID	mg/kg	1	640	170	640	170	5	2	5	*1*	3	*1*	17	23	*1*	*1*	*1*	4	*1*	*1*	4	2	*1*	*1*	*1*	*1*	3	3	3	*1*	3	5	6	2	2	*1*	*1*	*1*
CD	Cadmium	SOLID_ACID	mg/kg	0.5	410	880	190	532	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	0.9	4.5	5.1	*0.5*	*0.5*	0.7	0.8	0.7	0.6	0.8	*0.5*	0.8	0.7	0.6	0.8	*0.5*	*0.5*	1.1	0.7	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7
CO	Cobalt	SOLID_ACID	mg/kg	1	-	-	-	-	6	12	10	11	10	13	17	13	5	6	9	8	10	7	10	4	11	12	9	11	5	2	13	10	8	8	7	9	14	15	9	9
CR	Chromium	SOLID_ACID	mg/kg	1	-	-	8600	33000	15	12	12	10	15	11	32	87	5	16	11	14	10	8	12	8	11	10	19	21	9	8	24	13	10	14	14	12	15	18	8	10
CU	Copper	SOLID_ACID	mg/kg	1	-	-	68000	44000	12	28	28	19	21	604	753	1730	14	27	29	21	10	26	33	10	23	23	24	33	7	10	911	111	18	22	21	24	32	41	9	23
HG	Mercury	SOLID_ACID	mg/kg	0.17	-	-	1100	240	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	0.51	0.32	*0.17*	*0.17*	0.18	*0.17*	*0.17*	*0.17*	0.25	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*
MN	Manganese	SOLID_ACID	mg/kg	1	-	-	-	-	504	918	961	999	1100	785	773	696	425	233	640	650	654	499	765	474	699	716	566	706	969	211	684	642	570	575	748	759	1040	804	549	583
MO	Molybdenum	SOLID_ACID	mg/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	3	11	9	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	3	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
NI	Nickel	SOLID_ACID	mg/kg	1	-	-	980	3400	11	14	14	12	16	66	84	63	6	11	12	14	14	10	13	5	14	13	13	15	6	5	48	12	13	15	13	14	16	20	11	12
PB	Lead	SOLID_ACID	mg/kg	1	2300	1300	-	-	14	6	19	2	10	206	742	3190	4	16	8	25	3	12	70	12	6	6	6	8	6	5	525	85	8	6	23	14	9	10	2	9
SE	Selenium	SOLID_ACID	mg/kg	1	-	-	12000	1800	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
ZN	Zinc	SOLID_ACID	mg/kg	5	-	-	730000	170000	32	79	142	71	43	3120	4170	3990	37	95	78	82	65	67	72	41	59	76	47	56	24	17	1190	65	39	42	44	62	69	75	52	73

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

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Reference should be made to the report for further information on the generic assessment criteria used.

									TP700/20	TP700/22	TP700/22	TP700/23	TP700/23	A	A	TP700/24	TP700/24	TP700/27	TP700/27	TP700/28	TP700/28	TP700/29	TP700/3	TP700/3	TP700/39	TP700/49	TP700/5	TP700/5	TP700/6	TP700/6	TP700/7	TP700/7	TP700/8	TP700/9	TP700/9	TP700/9	TP800/01	TP800/01	TP800/02	TP800/02
									14/02933 /35	14/02948 /6	14/02948 /7	14/03132 /10	14/03132 /9	14/03132 /7	14/03132 /8	14/03132 /3	14/03132 /4	14/03039 /5	14/03039 /6	14/03039 /8	14/03039 /9	14/03132 /1	14/02933 /11	14/02933 /12	14/02933 /1	14/02894 /1	14/02933 /17	14/02933 /18	14/02933 /36	14/02933 /37	14/02933 /14	14/02933 /15	14/02933 /16	14/02933 /19	14/02933 /20	14/02933 /21	14/05824 /1	14/05824 /2	14/05824 /3	14/05824 /4
									0.5	0.4	0.7	0.5	0.3	0.5	1	0.1	0.5	0.3	0.8	0.5	1	0.5	0.4	0.95	0.5	0.5	0.2	0.8	0.3	0.8	0.4	0.9	0.4	0.4	0.8	1.5	0.5	1.5	0.5	1
									DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**	**C4SL Commercial/ Industrial (1970s office)**	**C4SL Public Space 2**	**S4UL Commercial/ Industrial (1970s office)**	**S4UL Public Space (park)**																																
AS	Arsenic	SOLID_ACID	mg/kg	1	640	170	640	170	3	3	*1*	6	8	6	5	13	4	5	2	6	3	5	*1*	*1*	2	4	*1*	*1*	9	6	*1*	2	*1*	10	10	5	*1*	2	5	*1*
CD	Cadmium	SOLID_ACID	mg/kg	0.5	410	880	190	532	*0.5*	0.6	0.7	*0.5*	0.6	*0.5*	0.8	0.8	*0.5*	0.6	*0.5*	*0.5*	*0.5*	*0.5*	0.6	0.9	*0.5*	0.7	*0.5*	0.6	0.7	*0.5*	0.6	0.7	*0.5*	2.3	1	0.7	*0.5*	*0.5*	*0.5*	*0.5*
CO	Cobalt	SOLID_ACID	mg/kg	1	-	-	-	-	5	6	9	5	6	3	5	6	7	8	7	7	6	7	8	14	8	7	7	8	7	6	7	9	6	31	22	16	10	10	7	5
CR	Chromium	SOLID_ACID	mg/kg	1	-	-	8600	33000	12	11	9	17	16	8	9	14	12	13	14	15	19	10	14	22	9	11	14	11	14	11	9	12	8	44	10	8	13	11	11	4
CU	Copper	SOLID_ACID	mg/kg	1	-	-	68000	44000	11	49	31	12	36	13	16	42	11	13	11	17	17	21	34	40	14	22	11	17	18	17	18	22	9	2310	29	27	14	15	18	12
HG	Mercury	SOLID_ACID	mg/kg	0.17	-	-	1100	240	*0.17*	*0.17*	*0.17*	0.28	*0.17*	0.73	0.27	0.19	0.19	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*
MN	Manganese	SOLID_ACID	mg/kg	1	-	-	-	-	356	580	644	245	619	427	653	1020	748	1190	408	564	328	672	432	716	636	581	407	362	513	429	619	984	506	1390	1620	1500	597	705	557	369
MO	Molybdenum	SOLID_ACID	mg/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	2	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	15	*1*	*1*	*1*	*1*	*1*	*1*
NI	Nickel	SOLID_ACID	mg/kg	1	-	-	980	3400	11	14	12	14	12	6	6	10	10	11	10	12	11	14	12	25	11	11	13	11	12	10	10	12	8	204	29	19	20	13	11	6
PB	Lead	SOLID_ACID	mg/kg	1	2300	1300	-	-	6	210	63	12	82	70	90	181	16	13	11	16	22	7	13	9	8	27	6	3	13	10	7	11	3	1030	18	7	5	6	14	2
SE	Selenium	SOLID_ACID	mg/kg	1	-	-	12000	1800	*1*	*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	*1*	2	*1*	*1*	*1*	*1*
ZN	Zinc	SOLID_ACID	mg/kg	5	-	-	730000	170000	28	221	92	47	146	191	58	119	37	39	39	37	51	34	67	91	43	61	47	43	67	54	58	66	36	10400	154	59	34	36	47	33

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

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Reference should be made to the report for further information on the generic assessment criteria used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	TP800/03 14/05632 /2 0.5 DOnGI	TP800/04 14/05708 /7 0.5 DOnGI	TP800/04 14/05708 /8 1 DOnGI	TP800/05 14/05666 /1 0.5 DOnGI	TP800/05 14/05666 /2 1 DOnGI	TP800/06 14/05563 /14 0.5 DOnGI	TP800/07 14/05563 /12 0.5 DOnGI	TP800/08 14/05563 /6 1 DOnGI	TP800/09 14/05563 /5 0.5 DOnGI	TP800/10 14/05563 /8 0.5 DOnGI	TP800/11 14/05563 /9 0.5 DOnGI	TP800/12 14/05563 /3 1 DOnGI	TP800/13 14/05563 /2 1 DOnGI	TP800/14 14/05563 /1 0.5 DOnGI	TP800/15 14/05563 /7 0.5 DOnGI	TP800/16 14/05790 /1 0.5 DOnGI	TP800/16 14/05790 /2 1 DOnGI	TP800/16 14/05790 /3 2 DOnGI	TP800/16 14/05790 /4 3 DOnGI	TP800/17 14/05790 /5 0.5 DOnGI	TP800/17 14/05790 /6 1 DOnGI	TP800/17 14/05790 /8 3 DOnGI	TP800/18 14/05708 /1 0.5 DOnGI	TP800/18 14/05708 /2 1 DOnGI	TP800/18 14/05708 /3 2 DOnGI	TP800/19 14/05764 /1 0.5 DOnGI	TP800/19 14/05764 /2 1 DOnGI	TP800/20 14/05666 /3 0.5 DOnGI	TP800/20 14/05666 /4 1 DOnGI	TP800/21 14/05708 /4 0.5 DOnGI	TP800/21 14/05708 /5 1 DOnGI	TP800/22 14/05632 /16 0.5 DOnGI
AS	Arsenic	SOLID_ACID	mg/kg	1	640	170	640	170	3	7	*1*	3	*1*	6	*1*	4	*1*	4	5	6	4	*1*	3	*1*	*1*	*1*	*1*	*1*	3	4	*1*	*1*	*1*	*1*	3	4	8	*1*	2	*1*
CD	Cadmium	SOLID_ACID	mg/kg	0.5	410	880	190	532	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*
CO	Cobalt	SOLID_ACID	mg/kg	1	-	-	-	-	4	10	7	8	10	10	7	9	2	7	8	10	7	5	5	6	4	5	8	6	10	11	10	8	8	7	9	9	8	8	9	5
CR	Chromium	SOLID_ACID	mg/kg	1	-	-	8600	33000	8	18	12	11	9	21	9	11	7	13	12	12	10	14	15	7	4	5	8	8	13	15	12	8	10	10	10	17	13	7	13	8
CU	Copper	SOLID_ACID	mg/kg	1	-	-	68000	44000	7	20	17	12	16	15	6	18	7	13	18	20	18	22	7	15	9	11	16	80	85	169	20	15	18	68	18	13	18	16	14	21
HG	Mercury	SOLID_ACID	mg/kg	0.17	-	-	1100	240	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	0.18	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*
MN	Manganese	SOLID_ACID	mg/kg	1	-	-	-	-	295	722	575	578	719	866	1200	569	99	474	620	712	505	215	321	527	396	508	502	455	688	922	833	637	603	427	899	613	977	1490	623	437
MO	Molybdenum	SOLID_ACID	mg/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	2	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
NI	Nickel	SOLID_ACID	mg/kg	1	-	-	980	3400	5	12	9	11	12	22	9	13	4	12	12	14	12	12	12	7	5	7	8	13	19	29	12	8	10	18	14	15	16	10	12	8
PB	Lead	SOLID_ACID	mg/kg	1	2300	1300	-	-	6	9	9	14	6	10	5	7	7	6	14	14	5	6	8	8	*1*	3	2	28	46	140	4	8	15	37	6	11	11	3	12	12
SE	Selenium	SOLID_ACID	mg/kg	1	-	-	12000	1800	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	2	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
ZN	Zinc	SOLID_ACID	mg/kg	5	-	-	730000	170000	33	55	58	53	48	39	23	34	17	38	39	41	31	33	38	47	27	30	44	381	457	720	49	44	83	356	38	54	45	35	47	64

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

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									TP800/22	TP800/22	TP800/23	TP800/23	TP800/23	TP800/24A	TP800/24A	TP800/24A	TP800/25	TP800/25	TP800/25	TP800/26	TP800/26	TP800/27	TP800/27	TP800/28	TP800/29	TP800/30	TP800/30	TP800/31	TP800/32	TP800/33
									14/05632/18	14/05632/20	14/05632/21	14/05632/22	14/05632/24	14/05632/28	14/05632/30	14/05632/31	14/05632/11	14/05632/14	14/05632/15	14/05632/3	14/05632/5	14/05632/7	14/05632/8	14/05632/1	14/05563/13	14/05632/25	14/05632/26	14/05563/10	14/05563/11	14/05563/4
									1.6	3	0.5	1	2	0.5	2	3	0.5	1	1.8	0.5	1	0.5	1	0.5	0.5	0.5	1	0.4	0.5	1
									DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**	**C4SL Commercial/ Industrial (1970s office)**	**C4SL Public Space 2**	**S4UL Commercial/ Industrial (1970s office)**	**S4UL Public Space (park)**																						
AS	Arsenic	SOLID_ACID	mg/kg	1	640	170	640	170	5	2	*1*	*1*	*1*	*1*	3	*1*	5	3	2	2	*1*	3	3	6	6	*1*	4	6	4	3
CD	Cadmium	SOLID_ACID	mg/kg	0.5	410	880	190	532	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	1.3	*0.5*	*0.5*	0.7	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*
CO	Cobalt	SOLID_ACID	mg/kg	1	-	-	-	-	8	6	5	6	6	5	5	6	10	7	6	66	13	6	7	6	6	6	6	8	6	6
CR	Chromium	SOLID_ACID	mg/kg	1	-	-	8600	33000	8	12	5	6	7	5	11	11	13	10	6	18	16	10	11	14	15	6	11	18	12	13
CU	Copper	SOLID_ACID	mg/kg	1	-	-	68000	44000	14	11	12	18	20	12	15	14	127	175	209	5510	460	15	129	8	8	15	7	19	11	15
HG	Mercury	SOLID_ACID	mg/kg	0.17	-	-	1100	240	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*	*0.17*
MN	Manganese	SOLID_ACID	mg/kg	1	-	-	-	-	1400	292	457	477	431	401	271	207	640	454	361	2460	787	378	434	298	947	390	513	1110	363	409
MO	Molybdenum	SOLID_ACID	mg/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	2	2	2	42	3	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
NI	Nickel	SOLID_ACID	mg/kg	1	-	-	980	3400	7	14	6	8	8	6	7	13	26	25	24	494	46	9	20	11	8	6	13	10	9	13
PB	Lead	SOLID_ACID	mg/kg	1	2300	1300	-	-	8	7	5	5	7	6	17	7	76	76	96	1970	187	47	75	8	10	6	6	20	9	6
SE	Selenium	SOLID_ACID	mg/kg	1	-	-	12000	1800	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	5	*1*	*1*	*1*	*1*	*1*	*1*	*1*	2	2	*1*
ZN	Zinc	SOLID_ACID	mg/kg	5	-	-	730000	170000	28	30	29	39	50	42	42	30	568	725	1070	31900	2400	54	594	28	42	44	31	56	40	31

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

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Reference should be made to the report for further information on the generic assessment criteria used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	Min. Value	Max. Value	Total no. of results	No. of results <LOD		Borehole ID	BH501R	BH501R	BH514R	BH516	BH520	BH520	BH520	BH520	BH524	BH524	BH526R	BH526R	BH530	BH605	BH613R	BH617R	BH618R	BH743	BH743	BH763	BH763	BH763	BH763	OT501	OT501	OT501
														Specimen Reference	11/01227 /4	11/01473 /1	11/01554 /1	11/01912 /3	11/01120 /1	11/01120 /2	11/01227 /5	11/01227 /6	11/01227 /1	11/01227 /2	11/01473 /3	11/01473 /4	11/01473 /2	11/01912 /6	11/01912 /8	11/01227 /3	11/01473 /5	14/01597 /1	14/01597 /2	14/01477 /1	14/01477 /2	14/01880 /1	14/01880 /2	11/01095 /17	11/01095 /18	11/01219 /10
														Depth	0.6	0.6	0.5	3	0.5	0.5	1.6	0.5	0.5	0.5	0.3	0.8	0.5	0.5	0.5	0.4	0.5	0.3	1	1	1.2	2.9	3.9	0.2	1.8	0.9
														Phase	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	IOnGI	IOnGI	IOnGI
ACNAP	Acenaphthylene	SOLID	mg/kg	0.01	-	-	83000	29000	0.01	0.12	174	170			*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
ACNEN	Acenaphthene	SOLID	mg/kg	0.01	-	-	84000	29000	0.01	0.13	174	149			0.05	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.02	*0.01*	*0.01*	0.02	0.13	0.02	*0.01*	*0.01*	*0.01*	0.02	*0.01*	0.06	*0.01*	0.03
ANTHN	Anthracene	SOLID	mg/kg	0.01	-	-	520000	150000	0.01	0.17	55	48			0.03	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.03	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.04	0.13							0.02	*0.01*	*0.01*
ANTHN	Anthracene	SOLID	mg/kg	0.02	-	-	520000	150000	0.02	0.3	119	108																				*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*			
BENA	Benzo(a)anthracene	SOLID	mg/kg	0.01	-	-	170	49	0.01	0.43	55	42			0.19	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.12	0.43							0.14	*0.01*	*0.01*
BENA	Benzo(a)anthracene	SOLID	mg/kg	0.04	-	-	170	49	0.04	0.71	119	106																				0.16	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*			
BENAP	Benzo(a)pyrene	SOLID	mg/kg	0.01	77	21	35	11	0.01	0.65	55	36			0.18	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.18	0.65							0.04	*0.01*	*0.01*
BENAP	Benzo(a)pyrene	SOLID	mg/kg	0.04	77	21	35	11	0.04	0.93	119	106																				0.21	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*			
BENB	Benzo(b)fluoranthene	SOLID	mg/kg	0.01	-	-	44	13	0.01	0.47	55	42			0.31	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.13	0.47							0.06	*0.01*	*0.01*
BENB	Benzo(b)fluoranthene	SOLID	mg/kg	0.05	-	-	44	13	0.05	1.11	119	107																				0.24	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*			
BENGI	Benzo(ghi)perylene	SOLID	mg/kg	0.01	-	-	3900	1400	0.01	0.36	55	45			*0.01*	*0.01*	*0.01*	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.13	0.36							0.07	*0.01*	*0.01*
BENGI	Benzo(ghi)perylene	SOLID	mg/kg	0.05	-	-	3900	1400	0.05	0.7	119	109																				0.16	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*			
BENK	Benzo(k)fluoranthene	SOLID	mg/kg	0.01	-	-	1200	370	0.01	0.45	55	42			0.15	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.11	0.45							0.04	*0.01*	*0.01*
BENK	Benzo(k)fluoranthene	SOLID	mg/kg	0.07	-	-	1200	370	0.07	0.52	119	110																				0.11	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*			
CRYN	Chrysene	SOLID	mg/kg	0.01	-	-	350	93	0.01	0.68	55	43			0.55	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.18	0.68							0.1	*0.01*	*0.01*
CRYN	Chrysene	SOLID	mg/kg	0.06	-	-	350	93	0.06	0.8	119	107																				0.24	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*			
DIABN	Dibenzo(ah)anthracene	SOLID	mg/kg	0.01	-	-	3.5	1.1	0.01	0.04	55	50			*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*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*
DIABN	Dibenzo(ah)anthracene	SOLID	mg/kg	0.04	-	-	3.5	1.1	0.04	0.18	119	115																				*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*			
FLN	Fluorene	SOLID	mg/kg	0.01	-	-	63000	20000	0.01	0.19	174	156			0.04	*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*	0.07	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.02	*0.01*	0.02
FLNN	Fluoranthene	SOLID	mg/kg	0.01	-	-	23000	6300	0.01	1.07	55	37			0.65	*0.01*	0.04	*0.01*	0.03	*0.01*	0.09	*0.01*	0.03	*0.01*	*0.01*	0.02	0.02	*0.01*	*0.01*	0.32	1.07							0.13	*0.01*	*0.01*
FLNN	Fluoranthene	SOLID	mg/kg	0.08	-	-	23000	6300	0.08	1.3	119	106																				0.27	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*			
INDP	Indeno(123-cd)pyrene	SOLID	mg/kg	0.01	-	-	500	150	0.01	0.37	55	45			*0.01*	*0.01*	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.02	*0.01*	*0.01*	0.07	0.37							0.04	*0.01*	*0.01*
INDP	Indeno(123-cd)pyrene	SOLID	mg/kg	0.03	-	-	500	150	0.03	0.69	119	108																				0.14	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*			
NAPTHH	Naphthalene	SOLID	mg/kg	0.01	-	-	190	1200	0.01	0.17	55	34			*0.01*	0.02	*0.01*	0.12	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.02	0.16	0.07	*0.01*	0.13							0.02	*0.01*	*0.01*
NAPTHH	Naphthalene	SOLID	mg/kg	0.03	-	-	190	1200	0.03	0.08	119	117																				*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*			
PAHS	Total PAH	SOLID	mg/kg	0.01	-	-	-	-	0.01	6.68	55	12			3.07	0.02	0.12	0.15	0.24	*0.01*	0.4	0.03	0.07	*0.01*	*0.01*	0.04	0.14	0.17	0.09	1.8	6.68							1.01	*0.01*	0.14
PAHS16	PAH (total 16)	SOLID	mg/kg	0.08	-	-	-	-	0.08	9.33	119	104																				2.02	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*			
PPENN	Phenanthrene	SOLID	mg/kg	0.01	-	-	22000	6200	0.01	0.92	55	34			0.32	*0.01*	0.02	*0.01*	0.08	*0.01*	0.15	0.02	*0.01*	*0.01*	*0.01*	0.02	0.02	*0.01*	*0.01*	0.22	0.92							0.14	*0.01*	0.05
PPENN	Phenanthrene	SOLID	mg/kg	0.03	-	-	22000	6200	0.03	0.77	119	107																				0.1	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*			
PYRN	Pyrene	SOLID	mg/kg	0.01	-	-	54000	15000	0.01	4.18	55	37			0.6	*0.01*	0.02	*0.01*	0.04	*0.01*	0.12	*0.01*	0.03	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.27	0.81							0.12	*0.01*	0.03
PYRN	Pyrene	SOLID	mg/kg	0.07	-	-	54000	15000	0.07	1.13	119	106																				0.27	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*			

Key:

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0.5	Result <LOD

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									OT501	OT501	OT501	OT502A	OT502A	OT502B	OT502B	OT502B	OT502C	OT502C	OT502C	OT503B	OT503B	OT503B	OT613	TP571	TP571	TP571	TP572	TP572	TP573	TP573	TP574	TP574	TP575	TP575	TP576	TP576	TP577	TP577	TP578	TP578
									11/01219 /11	11/01219 /12	11/01219 /9	11/01219 /1	11/01219 /2	11/01219 /3	11/01219 /4	11/01219 /5	11/01219 /6	11/01219 /7	11/01219 /8	11/01219 /13	11/01219 /14	11/01219 /15	11/02041 /1	11/01099 /2	11/01099 /3	11/01099 /4	11/01099 /6	11/01099 /7	11/01099 /10	11/01099 /9	11/01099 /12	11/01099 /13	11/01099 /16	11/01099 /17	11/01095 /2	11/01095 /3	11/01095 /5	11/01095 /6	11/01095 /8	11/01095 /9
									1.8	3.3	0.3	0.5	0.8	0.5	0.9	1.3	0.5	0.9	1.4	0.6	1.9	3	1.2	0.3	1	2.7	0.3	1.2	0.9	0.2	0.2	0.5	0.3	0.6	0.4	1.3	0.3	0.7	0.4	1.5
									IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**	**C4SL Commercial/ Industrial (1970s office)**	**C4SL Public Space 2**	**S4UL Commercial/ Industrial (1970s office)**	**S4UL Public Space (park)**																																	
ACNAP	Acenaphthylene	SOLID	mg/kg	0.01	-	-	83000	29000	*0.01*	*0.01*	*0.01*	0.03	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.12	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.03	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
ACNEN	Acenaphthene	SOLID	mg/kg	0.01	-	-	84000	29000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.03	0.03	0.09	0.02	0.03	*0.01*	*0.01*	*0.01*	*0.01*	0.08	*0.01*	*0.01*	0.04	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
ANTHN	Anthracene	SOLID	mg/kg	0.01	-	-	520000	150000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.17	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
ANTHN	Anthracene	SOLID	mg/kg	0.02	-	-	520000	150000																																	
BENA	Benzo(a)anthracene	SOLID	mg/kg	0.01	-	-	170	49	*0.01*	*0.01*	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.02	0.02	*0.01*	*0.01*	*0.01*	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*	0.02	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
BENA	Benzo(a)anthracene	SOLID	mg/kg	0.04	-	-	170	49																																	
BENAP	Benzo(a)pyrene	SOLID	mg/kg	0.01	77	21	35	11	*0.01*	*0.01*	*0.01*	0.03	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.08	0.02	0.02	0.02	0.05	*0.01*	0.06	0.02	0.07	0.03	*0.01*	0.02	*0.01*	*0.01*	*0.01*	0.03	*0.01*	*0.01*
BENAP	Benzo(a)pyrene	SOLID	mg/kg	0.04	77	21	35	11																																	
BENB	Benzo(b)fluoranthene	SOLID	mg/kg	0.01	-	-	44	13	*0.01*	*0.01*	*0.01*	0.11	*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*	0.02	*0.01*	*0.01*	0.03	0.05	0.06	0.04	*0.01*	*0.01*	*0.01*	*0.01*	0.02	*0.01*	*0.01*
BENB	Benzo(b)fluoranthene	SOLID	mg/kg	0.05	-	-	44	13																																	
BENGI	Benzo(ghi)perylene	SOLID	mg/kg	0.01	-	-	3900	1400	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.04	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.02	*0.01*	0.02	*0.01*	0.03	*0.01*	*0.01*	0.03	*0.01*	*0.01*	*0.01*	0.03	*0.01*	*0.01*
BENGI	Benzo(ghi)perylene	SOLID	mg/kg	0.05	-	-	3900	1400																																	
BENK	Benzo(k)fluoranthene	SOLID	mg/kg	0.01	-	-	1200	370	*0.01*	*0.01*	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.04	*0.01*	0.02	0.02	0.05	*0.01*	*0.01*	0.03	0.04	0.04	0.04	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
BENK	Benzo(k)fluoranthene	SOLID	mg/kg	0.07	-	-	1200	370																																	
CRYN	Chrysene	SOLID	mg/kg	0.01	-	-	350	93	*0.01*	*0.01*	*0.01*	0.04	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.04	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*	0.02	0.02	*0.01*	*0.01*
CRYN	Chrysene	SOLID	mg/kg	0.06	-	-	350	93																																	
DIABN	Dibenzo(ah)anthracene	SOLID	mg/kg	0.01	-	-	3.5	1.1	*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*	0.04	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.03	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.04	*0.01*	*0.01*	0.03	*0.01*	*0.01*
DIABN	Dibenzo(ah)anthracene	SOLID	mg/kg	0.04	-	-	3.5	1.1																																	
FLN	Fluorene	SOLID	mg/kg	0.01	-	-	63000	20000	*0.01*	*0.01*	*0.01*	0.06	*0.01*	*0.01*	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*	0.02	0.02	0.19	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.03	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
FLNN	Fluoranthene	SOLID	mg/kg	0.01	-	-	23000	6300	*0.01*	*0.01*	*0.01*	0.03	*0.01*	*0.01*	*0.01*	0.02	*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*	0.02	0.2	*0.01*	*0.01*	*0.01*	*0.01*	0.04	*0.01*	*0.01*
FLNN	Fluoranthene	SOLID	mg/kg	0.08	-	-	23000	6300																																	
INDP	Indeno(123-cd)pyrene	SOLID	mg/kg	0.01	-	-	500	150	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.07	0.02	*0.01*	*0.01*	*0.01*	0.02	*0.01*	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
INDP	Indeno(123-cd)pyrene	SOLID	mg/kg	0.03	-	-	500	150																																	
NAPTHH	Naphthalene	SOLID	mg/kg	0.01	-	-	190	1200	*0.01*	*0.01*	*0.01*	0.06	*0.01*	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.04	*0.01*	0.17	*0.01*	0.04	0.04	0.02	0.17	*0.01*	*0.01*	0.02	*0.01*	0.02	*0.01*	0.03	0.03	*0.01*	0.02
NAPTHH	Naphthalene	SOLID	mg/kg	0.03	-	-	190	1200																																	
PAHS	Total PAH	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	0.5	*0.01*	*0.01*	0.04	0.13	0.02	*0.01*	*0.01*	*0.01*	0.06	0.3	1.46	0.07	0.25	0.05	0.23	0.12	0.11	0.49	0.23	0.18	0.83	0.05	0.17	0.05	0.13	0.33	0.02	0.02
PAHS16	PAH (total 16)	SOLID	mg/kg	0.08	-	-	-	-																																	
PPENN	Phenanthrene	SOLID	mg/kg	0.01	-	-	22000	6200	*0.01*	*0.01*	*0.01*	0.06	*0.01*	*0.01*	0.02	0.05	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.07	0.48	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.03	*0.01*	*0.01*	0.15	*0.01*	*0.01*	0.02	*0.01*	0.04	*0.01*	*0.01*
PPENN	Phenanthrene	SOLID	mg/kg	0.03	-	-	22000	6200																																	
PYRN	Pyrene	SOLID	mg/kg	0.01	-	-	54000	15000	*0.01*	*0.01*	*0.01*	0.03	*0.01*	*0.01*	*0.01*	0.03	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.06	*0.01*	*0.01*	*0.01*	*0.01*	0.02	*0.01*	*0.01*	0.02	*0.01*	*0.01*	0.27	*0.01*	*0.01*	*0.01*	*0.01*	0.03	*0.01*	*0.01*
PYRN	Pyrene	SOLID	mg/kg	0.07	-	-	54000	15000																																	

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

									TP579	TP579	TP580	TP700/1	TP700/1	TP700/1	TP700/10	TP700/10	TP700/11	TP700/11	TP700/11	TP700/12	TP700/12	TP700/12	TP700/13	TP700/13	TP700/14	TP700/14	TP700/15	TP700/15	TP700/16	TP700/17	TP700/17	TP700/17	TP700/18	TP700/18	TP700/19	TP700/19	TP700/2	TP700/2	TP700/20	TP700/22
									11/01095 /11	11/01095 /12	11/01095 /14	14/02933 /5	14/02933 /6	14/02933 /8	14/02933 /22	14/02933 /24	14/02948 /1	14/02948 /2	14/02948 /3	14/02933 /25	14/02933 /26	14/02933 /27	14/02933 /30	14/02933 /31	14/02933 /28	14/02933 /29	14/03132 /12	14/03132 /13	14/03039 /1	14/02933 /32	14/02933 /33	14/02933 /34	14/02948 /4	14/02948 /5	14/03039 /3	14/03039 /4	14/02933 /10	14/02933 /9	14/02933 /35	14/02948 /6
									0.8	2.1	1.1	0.3	0.95	2	0.4	1.4	0.5	1	2	0.4	1	1.3	0.5	1	0.3	0.75	0.5	1	0.3	0.5	1	1.3	0.4	1	0.5	1	1.3	0.85	0.5	0.4
									IOnGI	IOnGI	IOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)																																
ACNAP	Acenaphthylene	SOLID	mg/kg	0.01	-	-	83000	29000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
ACNEN	Acenaphthene	SOLID	mg/kg	0.01	-	-	84000	29000	*0.01*	*0.01*	*0.01*	*0.01*	0.11	*0.01*	*0.01*	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.07	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
ANTHN	Anthracene	SOLID	mg/kg	0.01	-	-	520000	150000	*0.01*	*0.01*	*0.01*																													
ANTHN	Anthracene	SOLID	mg/kg	0.02	-	-	520000	150000				*0.02*	0.19	0.04	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.13	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENA	Benzo(a)anthracene	SOLID	mg/kg	0.01	-	-	170	49	0.04	0.02	0.02																													
BENA	Benzo(a)anthracene	SOLID	mg/kg	0.04	-	-	170	49				*0.04*	0.71	0.31	*0.04*	*0.04*	*0.04*	0.05	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	0.47	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	0.08
BENAP	Benzo(a)pyrene	SOLID	mg/kg	0.01	77	21	35	11	0.05	0.02	0.03																													
BENAP	Benzo(a)pyrene	SOLID	mg/kg	0.04	77	21	35	11				*0.04*	0.93	0.59	*0.04*	*0.04*	*0.04*	0.05	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	0.68	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*
BENB	Benzo(b)fluoranthene	SOLID	mg/kg	0.01	-	-	44	13	*0.01*	*0.01*	0.02																													
BENB	Benzo(b)fluoranthene	SOLID	mg/kg	0.05	-	-	44	13				*0.05*	1.11	0.68	*0.05*	*0.05*	*0.05*	0.09	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	0.57	*0.05*	*0.05*	*0.05*	*0.05*	0.06	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*
BENGI	Benzo(ghi)perylene	SOLID	mg/kg	0.01	-	-	3900	1400	0.04	*0.01*	*0.01*																													
BENGI	Benzo(ghi)perylene	SOLID	mg/kg	0.05	-	-	3900	1400				*0.05*	0.7	0.44	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	0.29	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*
BENK	Benzo(k)fluoranthene	SOLID	mg/kg	0.01	-	-	1200	370	*0.01*	*0.01*	*0.01*																													
BENK	Benzo(k)fluoranthene	SOLID	mg/kg	0.07	-	-	1200	370				*0.07*	0.52	0.26	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	0.4	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*
CRYN	Chrysene	SOLID	mg/kg	0.01	-	-	350	93	0.05	0.02	*0.01*																													
CRYN	Chrysene	SOLID	mg/kg	0.06	-	-	350	93				*0.06*	0.8	0.37	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	0.56	0.07	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*
DIABN	Dibenzo(ah)anthracene	SOLID	mg/kg	0.01	-	-	3.5	1.1	*0.01*	*0.01*	*0.01*																													
DIABN	Dibenzo(ah)anthracene	SOLID	mg/kg	0.04	-	-	3.5	1.1				*0.04*	0.18	0.1	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	0.06	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*
FLN	Fluorene	SOLID	mg/kg	0.01	-	-	63000	20000	*0.01*	*0.01*	*0.01*	*0.01*	0.1	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.05	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
FLNN	Fluoranthene	SOLID	mg/kg	0.01	-	-	23000	6300	0.04	0.02	*0.01*																													
FLNN	Fluoranthene	SOLID	mg/kg	0.08	-	-	23000	6300				*0.08*	1.3	0.48	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	0.72	0.09	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*
INDP	Indeno(123-cd)pyrene	SOLID	mg/kg	0.01	-	-	500	150	*0.01*	*0.01*	0.02																													
INDP	Indeno(123-cd)pyrene	SOLID	mg/kg	0.03	-	-	500	150				*0.03*	0.69	0.43	*0.03*	*0.03*	*0.03*	0.04	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	0.3	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*
NAPTHH	Naphthalene	SOLID	mg/kg	0.01	-	-	190	1200	*0.01*	*0.01*	*0.01*																													
NAPTHH	Naphthalene	SOLID	mg/kg	0.03	-	-	190	1200				*0.03*	0.08	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*
PAHS	Total PAH	SOLID	mg/kg	0.01	-	-	-	-	4.47	0.12	0.09																													
PAHS16	PAH (total 16)	SOLID	mg/kg	0.08	-	-	-	-				*0.08*	9.33	4.36	*0.08*	*0.08*	*0.08*	0.26	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	5.42	0.33	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	0.09
PPENN	Phenanthrene	SOLID	mg/kg	0.01	-	-	22000	6200	0.03	*0.01*	*0.01*																													
PPENN	Phenanthrene	SOLID	mg/kg	0.03	-	-	22000	6200				*0.03*	0.77	0.14	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	0.3	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*
PYRN	Pyrene	SOLID	mg/kg	0.01	-	-	54000	15000	4.18	0.02	*0.01*																													
PYRN	Pyrene	SOLID	mg/kg	0.07	-	-	54000	15000				*0.07*	1.13	0.52	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	0.8	0.09	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	TP700/22 14/02948 /7 0.7 DOnGI	TP700/23 14/03132 /10 0.5 DOnGI	TP700/23 14/03132 /9 0.3 DOnGI	TP700/23 14/03132 /7 0.5 DOnGI	TP700/23 14/03132 /8 1 DOnGI	TP700/24 14/03132 /3 0.1 DOnGI	TP700/24 14/03132 /4 0.5 DOnGI	TP700/27 14/03039 /5 0.3 DOnGI	TP700/27 14/03039 /6 0.8 DOnGI	TP700/28 14/03039 /8 0.5 DOnGI	TP700/28 14/03039 /9 1 DOnGI	TP700/29 14/03132 /1 0.5 DOnGI	TP700/3 14/02933 /11 0.4 DOnGI	TP700/3 14/02933 /12 0.95 DOnGI	TP700/39 14/02933 /1 0.5 DOnGI	TP700/49 14/02894 /1 0.5 DOnGI	TP700/5 14/02933 /17 0.2 DOnGI	TP700/5 14/02933 /18 0.8 DOnGI	TP700/6 14/02933 /36 0.3 DOnGI	TP700/6 14/02933 /37 0.8 DOnGI	TP700/7 14/02933 /14 0.4 DOnGI	TP700/7 14/02933 /15 0.9 DOnGI	TP700/8 14/02933 /16 0.4 DOnGI	TP700/9 14/02933 /19 0.4 DOnGI	TP700/9 14/02933 /20 0.8 DOnGI	TP700/9 14/02933 /21 1.5 DOnGI	TP800/01 14/05824 /1 0.5 DOnGI	TP800/01 14/05824 /2 1.5 DOnGI	TP800/02 14/05824 /3 0.5 DOnGI	TP800/02 14/05824 /4 1 DOnGI	TP800/03 14/05632 /2 0.5 DOnGI	TP800/04 14/05708 /7 0.5 DOnGI
ACNAP	Acenaphthylene	SOLID	mg/kg	0.01	-	-	83000	29000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
ACNEN	Acenaphthene	SOLID	mg/kg	0.01	-	-	84000	29000	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.03	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.04	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
ANTHN	Anthracene	SOLID	mg/kg	0.01	-	-	520000	150000																																		
ANTHN	Anthracene	SOLID	mg/kg	0.02	-	-	520000	150000	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.06	*0.02*	*0.02*	*0.02*	*0.02*	0.03	0.14	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENA	Benzo(a)anthracene	SOLID	mg/kg	0.01	-	-	170	49																																		
BENA	Benzo(a)anthracene	SOLID	mg/kg	0.04	-	-	170	49	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	0.27	*0.04*	*0.04*	*0.04*	*0.04*	0.06	0.21	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*
BENAP	Benzo(a)pyrene	SOLID	mg/kg	0.01	77	21	35	11																																		
BENAP	Benzo(a)pyrene	SOLID	mg/kg	0.04	77	21	35	11	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	0.3	*0.04*	*0.04*	*0.04*	*0.04*	0.05	0.2	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*
BENB	Benzo(b)fluoranthene	SOLID	mg/kg	0.01	-	-	44	13																																		
BENB	Benzo(b)fluoranthene	SOLID	mg/kg	0.05	-	-	44	13	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	0.26	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	0.2	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*
BENGI	Benzo(ghi)perylene	SOLID	mg/kg	0.01	-	-	3900	1400																																		
BENGI	Benzo(ghi)perylene	SOLID	mg/kg	0.05	-	-	3900	1400	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	0.16	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	0.12	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*
BENK	Benzo(k)fluoranthene	SOLID	mg/kg	0.01	-	-	1200	370																																		
BENK	Benzo(k)fluoranthene	SOLID	mg/kg	0.07	-	-	1200	370	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	0.13	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	0.17	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*
CRYN	Chrysene	SOLID	mg/kg	0.01	-	-	350	93																																		
CRYN	Chrysene	SOLID	mg/kg	0.06	-	-	350	93	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	0.38	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	0.23	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*
DIABN	Dibenzo(ah)anthracene	SOLID	mg/kg	0.01	-	-	3.5	1.1																																		
DIABN	Dibenzo(ah)anthracene	SOLID	mg/kg	0.04	-	-	3.5	1.1	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*
FLN	Fluorene	SOLID	mg/kg	0.01	-	-	63000	20000	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*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.02	0.05	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
FLNN	Fluoranthene	SOLID	mg/kg	0.01	-	-	23000	6300																																		
FLNN	Fluoranthene	SOLID	mg/kg	0.08	-	-	23000	6300	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	0.53	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	0.13	0.6	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*
INDP	Indeno(123-cd)pyrene	SOLID	mg/kg	0.01	-	-	500	150																																		
INDP	Indeno(123-cd)pyrene	SOLID	mg/kg	0.03	-	-	500	150	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	0.13	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	0.11	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*
NAPTHH	Naphthalene	SOLID	mg/kg	0.01	-	-	190	1200																																		
NAPTHH	Naphthalene	SOLID	mg/kg	0.03	-	-	190	1200	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*
PAHS	Total PAH	SOLID	mg/kg	0.01	-	-	-	-																																		
PAHS16	PAH (total 16)	SOLID	mg/kg	0.08	-	-	-	-	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	3.37	*0.08*	*0.08*	*0.08*	*0.08*	0.63	3.03	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*
PPENN	Phenanthrene	SOLID	mg/kg	0.01	-	-	22000	6200																																		
PPENN	Phenanthrene	SOLID	mg/kg	0.03	-	-	22000	6200	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	0.35	*0.03*	*0.03*	*0.03*	*0.03*	0.11	0.46	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*
PYRN	Pyrene	SOLID	mg/kg	0.01	-	-	54000	15000																																		
PYRN	Pyrene	SOLID	mg/kg	0.07	-	-	54000	15000	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	0.74	*0.07*	*0.07*	*0.07*	*0.07*	0.1	0.49	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

									TP800/04	TP800/05	TP800/05	TP800/06	TP800/07	TP800/08	TP800/09	TP800/10	TP800/11	TP800/12	TP800/13	TP800/14	TP800/15	TP800/16	TP800/16	TP800/16	TP800/16	TP800/17	TP800/17	TP800/17	TP800/18	TP800/18	TP800/18	TP800/19	TP800/19	TP800/20	TP800/20	TP800/21	TP800/21	TP800/22	TP800/22	TP800/22
									14/05708 /8	14/05666 /1	14/05666 /2	14/05563 /14	14/05563 /12	14/05563 /6	14/05563 /5	14/05563 /8	14/05563 /9	14/05563 /3	14/05563 /2	14/05563 /1	14/05563 /7	14/05790 /1	14/05790 /2	14/05790 /3	14/05790 /4	14/05790 /5	14/05790 /6	14/05790 /8	14/05708 /1	14/05708 /2	14/05708 /3	14/05764 /1	14/05764 /2	14/05666 /3	14/05666 /4	14/05708 /4	14/05708 /5	14/05632 /16	14/05632 /18	14/05632 /20
									1	0.5	1	0.5	0.5	1	0.5	0.5	0.5	1	1	0.5	0.5	0.5	1	2	3	0.5	1	3	0.5	1	2	0.5	1	0.5	1	0.5	1	0.5	1.6	3
									DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**	**C4SL Commercial/ Industrial (1970s office)**	**C4SL Public Space 2**	**S4UL Commercial/ Industrial (1970s office)**	**S4UL Public Space (park)**																																
ACNAP	Acenaphthylene	SOLID	mg/kg	0.01	-	-	83000	29000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
ACNEN	Acenaphthene	SOLID	mg/kg	0.01	-	-	84000	29000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
ANTHN	Anthracene	SOLID	mg/kg	0.01	-	-	520000	150000																															
ANTHN	Anthracene	SOLID	mg/kg	0.02	-	-	520000	150000	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.05	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENA	Benzo(a)anthracene	SOLID	mg/kg	0.01	-	-	170	49																															
BENA	Benzo(a)anthracene	SOLID	mg/kg	0.04	-	-	170	49	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	0.15	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*
BENAP	Benzo(a)pyrene	SOLID	mg/kg	0.01	77	21	35	11																															
BENAP	Benzo(a)pyrene	SOLID	mg/kg	0.04	77	21	35	11	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	0.13	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*
BENB	Benzo(b)fluoranthene	SOLID	mg/kg	0.01	-	-	44	13																															
BENB	Benzo(b)fluoranthene	SOLID	mg/kg	0.05	-	-	44	13	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	0.16	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*
BENGI	Benzo(ghi)perylene	SOLID	mg/kg	0.01	-	-	3900	1400																															
BENGI	Benzo(ghi)perylene	SOLID	mg/kg	0.05	-	-	3900	1400	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	0.06	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*
BENK	Benzo(k)fluoranthene	SOLID	mg/kg	0.01	-	-	1200	370																															
BENK	Benzo(k)fluoranthene	SOLID	mg/kg	0.07	-	-	1200	370	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	0.08	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*
CRYN	Chrysene	SOLID	mg/kg	0.01	-	-	350	93																															
CRYN	Chrysene	SOLID	mg/kg	0.06	-	-	350	93	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	0.18	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*
DIABN	Dibenzo(ah)anthracene	SOLID	mg/kg	0.01	-	-	3.5	1.1																															
DIABN	Dibenzo(ah)anthracene	SOLID	mg/kg	0.04	-	-	3.5	1.1	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*
FLN	Fluorene	SOLID	mg/kg	0.01	-	-	63000	20000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
FLNN	Fluoranthene	SOLID	mg/kg	0.01	-	-	23000	6300																															
FLNN	Fluoranthene	SOLID	mg/kg	0.08	-	-	23000	6300	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	0.23	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*
INDP	Indeno(123-cd)pyrene	SOLID	mg/kg	0.01	-	-	500	150																															
INDP	Indeno(123-cd)pyrene	SOLID	mg/kg	0.03	-	-	500	150	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	0.06	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*
NAPTHH	Naphthalene	SOLID	mg/kg	0.01	-	-	190	1200																															
NAPTHH	Naphthalene	SOLID	mg/kg	0.03	-	-	190	1200	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*
PAHS	Total PAH	SOLID	mg/kg	0.01	-	-	-	-																															
PAHS16	PAH (total 16)	SOLID	mg/kg	0.08	-	-	-	-	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	1.47	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*
PPENN	Phenanthrene	SOLID	mg/kg	0.01	-	-	22000	6200																															
PPENN	Phenanthrene	SOLID	mg/kg	0.03	-	-	22000	6200	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	0.15	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*
PYRN	Pyrene	SOLID	mg/kg	0.01	-	-	54000	15000																															
PYRN	Pyrene	SOLID	mg/kg	0.07	-	-	54000	15000	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	0.2	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

									TP800/23	TP800/23	TP800/23	TP800/24	TP800/24	TP800/24	TP800/25	TP800/25	TP800/25	TP800/26	TP800/26	TP800/27	TP800/27	TP800/28	TP800/29	TP800/30	TP800/30	TP800/31	TP800/32	TP800/33
									14/05632 /21	14/05632 /22	14/05632 /24	14/05632 /28	14/05632 /30	14/05632 /31	14/05632 /11	14/05632 /14	14/05632 /15	14/05632 /3	14/05632 /5	14/05632 /7	14/05632 /8	14/05632/1	14/05563/13	14/05632/25	14/05632 /26	14/05563 /10	14/05563 /11	14/05563 /4
									0.5	1	2	0.5	2	3	0.5	1	1.8	0.5	1	0.5	1	0.5	0.5	0.5	1	0.4	0.5	1
									DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**	**C4SL Commercial/ Industrial (1970s office)**	**C4SL Public Space 2**	**S4UL Commercial/ Industrial (1970s office)**	**S4UL Public Space (park)**																				
ACNAP	Acenaphthylene	SOLID	mg/kg	0.01	-	-	83000	29000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.03	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
ACNEN	Acenaphthene	SOLID	mg/kg	0.01	-	-	84000	29000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.09	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
ANTHN	Anthracene	SOLID	mg/kg	0.01	-	-	520000	150000																				
ANTHN	Anthracene	SOLID	mg/kg	0.02	-	-	520000	150000	*0.02*	0.07	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.3	*0.02*	0.03	0.17	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENA	Benzo(a)anthracene	SOLID	mg/kg	0.01	-	-	170	49																				
BENA	Benzo(a)anthracene	SOLID	mg/kg	0.04	-	-	170	49	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	0.22	*0.04*	0.06	0.32	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*
BENAP	Benzo(a)pyrene	SOLID	mg/kg	0.01	77	21	35	11																				
BENAP	Benzo(a)pyrene	SOLID	mg/kg	0.04	77	21	35	11	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	0.19	*0.04*	0.11	0.27	0.05	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*
BENB	Benzo(b)fluoranthene	SOLID	mg/kg	0.01	-	-	44	13																				
BENB	Benzo(b)fluoranthene	SOLID	mg/kg	0.05	-	-	44	13	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	0.19	*0.05*	0.12	0.26	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*
BENGI	Benzo(ghi)perylene	SOLID	mg/kg	0.01	-	-	3900	1400																				
BENGI	Benzo(ghi)perylene	SOLID	mg/kg	0.05	-	-	3900	1400	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	0.09	*0.05*	0.12	0.09	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*
BENK	Benzo(k)fluoranthene	SOLID	mg/kg	0.01	-	-	1200	370																				
BENK	Benzo(k)fluoranthene	SOLID	mg/kg	0.07	-	-	1200	370	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	0.12	*0.07*	*0.07*	0.21	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*
CRYN	Chrysene	SOLID	mg/kg	0.01	-	-	350	93																				
CRYN	Chrysene	SOLID	mg/kg	0.06	-	-	350	93	*0.06*	0.07	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	0.24	*0.06*	0.14	0.35	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*
DIABN	Dibenzo(ah)anthracene	SOLID	mg/kg	0.01	-	-	3.5	1.1																				
DIABN	Dibenzo(ah)anthracene	SOLID	mg/kg	0.04	-	-	3.5	1.1	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	0.05	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*
FLN	Fluorene	SOLID	mg/kg	0.01	-	-	63000	20000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.11	*0.01*	*0.01*	0.04	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
FLNN	Fluoranthene	SOLID	mg/kg	0.01	-	-	23000	6300																				
FLNN	Fluoranthene	SOLID	mg/kg	0.08	-	-	23000	6300	*0.08*	0.15	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	0.59	*0.08*	0.14	0.55	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*
INDP	Indeno(123-cd)pyrene	SOLID	mg/kg	0.01	-	-	500	150																				
INDP	Indeno(123-cd)pyrene	SOLID	mg/kg	0.03	-	-	500	150	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	0.1	*0.03*	0.09	0.12	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*
NAPTHH	Naphthalene	SOLID	mg/kg	0.01	-	-	190	1200																				
NAPTHH	Naphthalene	SOLID	mg/kg	0.03	-	-	190	1200	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	0.06	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*
PAHS	Total PAH	SOLID	mg/kg	0.01	-	-	-	-																				
PAHS16	PAH (total 16)	SOLID	mg/kg	0.08	-	-	-	-	*0.08*	0.57	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	3.52	*0.08*	1.03	3.24	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*
PPENN	Phenanthrene	SOLID	mg/kg	0.01	-	-	22000	6200																				
PPENN	Phenanthrene	SOLID	mg/kg	0.03	-	-	22000	6200	*0.03*	0.12	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	0.76	*0.03*	0.09	0.35	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*
PYRN	Pyrene	SOLID	mg/kg	0.01	-	-	54000	15000																				
PYRN	Pyrene	SOLID	mg/kg	0.07	-	-	54000	15000	*0.07*	0.12	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	0.46	*0.07*	0.14	0.44	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	Min. Value	Max. Value	Total no. of results	No. of results <LOD		Borehole ID	BH501R	BH501R	BH514R	BH516	BH520	BH520	BH520	BH520	BH524	BH524	BH526R	BH526R
														Specimen Reference	11/01227 /4	11/01473 /1	11/01554 /1	11/01912 /3	11/01120 /1	11/01120 /2	11/01227 /5	11/01227 /6	11/01227 /1	11/01227 /2	11/01473 /3	11/01473 /4
														Depth	0.6	0.6	0.5	3	0.5	0.5	1.6	0.5	0.5	0.5	0.3	0.8
														Phase	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI
BENZ	BTEX - Benzene	SOLID	mg/kg	0.01	98	230	27	90	0.01	0.01	177	177			*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C06GAL	Ali >C5-C6	SOLID	mg/kg	0.01	-	-	3200	95000	0.01	0.05	177	175			*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C07GAR	Aro >C5-C7	SOLID	mg/kg	0.01	-	-	26000	76000	0.01	0.01	177	177			*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C35ALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	0.1	1130	63	56			160	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C05C35GAL	Total Aliphatics	SOLID	mg/kg	0.1	-	-	-	-	0.1	846	177	168			160	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C05C35GALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	0.1	1130	176	161			160	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C05C35GAR	Total Aromatics	SOLID	mg/kg	0.1	-	-	-	-	0.1	287	177	168			*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C06C08GAL	Ali >C6-C8	SOLID	mg/kg	0.01	-	-	7800	150000	0.01	0.07	177	176			*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C07C08GAR	Aro >C7-C8	SOLID	mg/kg	0.01	-	-	-	-	0.01	0.01	177	177			*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C08C09GAR	Aro >C8-C9	SOLID	mg/kg	0.01	-	-	3500	7200	0.01	0.02	177	175			*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*
C08C10GAL	Ali >C8-C10	SOLID	mg/kg	0.01	-	-	2000	14000	0.01	2.35	177	175			*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C09C10GAR	Aro >C9-C10	SOLID	mg/kg	0.01	-	-	-	-	0.01	0.3	177	173			*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C10C12GAL	Ali >C10-C12	SOLID	mg/kg	0.1	-	-	9700	21000	0.1	143	177	175			*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C10C12GAR	Aro >C10-C12	SOLID	mg/kg	0.1	-	-	16000	9200	0.1	29.1	177	174			*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C12C16GAL	Ali >C12-C16	SOLID	mg/kg	0.1	-	-	59000	25000	0.1	253	177	171			5.5	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C12C16GAR	Aro >C12-C16	SOLID	mg/kg	0.1	-	-	36000	10000	0.1	107	177	172			*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C16C21GAL	Ali >C16-C21	SOLID	mg/kg	0.1	-	-	1600000	450000	0.1	169	177	170			33.4	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C16C21GAR	Aro >C16-C21	SOLID	mg/kg	0.1	-	-	28000	7600	0.1	88.2	177	169			*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C21C35GAL	Ali >C21-C35	SOLID	mg/kg	0.1	-	-	-	-	0.1	278	177	169			121	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C21C35GAR	Aro >C21-C35	SOLID	mg/kg	0.1	-	-	28000	7800	0.1	70.4	177	168			*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
ETHYL	BTEX - Ethyl Benzene	SOLID	mg/kg	0.01	-	-	5700	17000	0.01	0.01	177	177			*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID	mg/kg	0.01	-	-	-	-	0.01	0.01	177	177			*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID_DRY	ug/kg		-	-	-	-	4	6	29	0														
MXYL	BTEX - m & p Xylene	SOLID	mg/kg	0.01	-	-	6200	17000	0.01	0.01	177	177			*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
OXYL	BTEX - o Xylene	SOLID	mg/kg	0.01	-	-	6600	17000	0.01	0.01	177	177			*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
TOL	BTEX - Toluene	SOLID	mg/kg	0.01	-	-	56000	87000	0.01	0.01	177	177			*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

									BH530	BH605	BH613R	BH617R	BH618R	BH743	BH743	BH763	BH763	BH763	BH763	BH882R	OT501	OT501	OT501	OT501	OT501
									11/01473/2	11/01912/6	11/01912/8	11/01227/3	11/01473/5	14/01597/1	14/01597/2	14/01477/1	14/01477/2	14/01880/1	14/01880/2	14/04155/1	1561778	1561779	11/01095/17	11/01095/18	11/01219/10
									0.5	0.5	0.5	0.4	0.5	0.3	1	1	1.2	2.9	3.9	0	0.2	1.8	0.2	1.8	0.9
									IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**	**C4SL Commercial/ Industrial (1970s office)**	**C4SL Public Space 2**	**S4UL Commercial/ Industrial (1970s office)**	**S4UL Public Space (park)**																	
BENZ	BTEX - Benzene	SOLID	mg/kg	0.01	98	230	27	90	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*	*0.01*
C05C06GAL	Ali >C5-C6	SOLID	mg/kg	0.01	-	-	3200	95000	*0.01*	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*	*0.01*
C05C07GAR	Aro >C5-C7	SOLID	mg/kg	0.01	-	-	26000	76000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*	*0.01*
C05C35ALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	31.4	29.8	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*				*0.1*	*0.1*	*0.1*
C05C35GAL	Total Aliphatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	29.8	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*			*0.1*	*0.1*	*0.1*
C05C35GALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	31.4	29.8	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*			*0.1*	*0.1*	*0.1*
C05C35GAR	Total Aromatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	31.4	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*			*0.1*	*0.1*	*0.1*
C06C08GAL	Ali >C6-C8	SOLID	mg/kg	0.01	-	-	7800	150000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*	*0.01*
C07C08GAR	Aro >C7-C8	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*	*0.01*
C08C09GAR	Aro >C8-C9	SOLID	mg/kg	0.01	-	-	3500	7200	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*	*0.01*
C08C10GAL	Ali >C8-C10	SOLID	mg/kg	0.01	-	-	2000	14000	*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*	*0.01*	*0.01*
C09C10GAR	Aro >C9-C10	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*	*0.01*
C10C12GAL	Ali >C10-C12	SOLID	mg/kg	0.1	-	-	9700	21000	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	9	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*			*0.1*	*0.1*	*0.1*
C10C12GAR	Aro >C10-C12	SOLID	mg/kg	0.1	-	-	16000	9200	*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*
C12C16GAL	Ali >C12-C16	SOLID	mg/kg	0.1	-	-	59000	25000	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	20.1	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*			*0.1*	*0.1*	*0.1*
C12C16GAR	Aro >C12-C16	SOLID	mg/kg	0.1	-	-	36000	10000	*0.1*	*0.1*	*0.1*	*0.1*	1.8	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*			*0.1*	*0.1*	*0.1*
C16C21GAL	Ali >C16-C21	SOLID	mg/kg	0.1	-	-	1600000	450000	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	0.7	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*			*0.1*	*0.1*	*0.1*
C16C21GAR	Aro >C16-C21	SOLID	mg/kg	0.1	-	-	28000	7600	*0.1*	*0.1*	*0.1*	*0.1*	9.9	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*			*0.1*	*0.1*	*0.1*
C21C35GAL	Ali >C21-C35	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*			*0.1*	*0.1*	*0.1*
C21C35GAR	Aro >C21-C35	SOLID	mg/kg	0.1	-	-	28000	7800	*0.1*	*0.1*	*0.1*	*0.1*	19.7	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*			*0.1*	*0.1*	*0.1*
ETHYL	BTEX - Ethyl Benzene	SOLID	mg/kg	0.01	-	-	5700	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID_DRY	ug/kg		-	-	-	-													4	6			
MXYL	BTEX - m & p Xylene	SOLID	mg/kg	0.01	-	-	6200	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*	*0.01*
OXYL	BTEX - o Xylene	SOLID	mg/kg	0.01	-	-	6600	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*	*0.01*
TOL	BTEX - Toluene	SOLID	mg/kg	0.01	-	-	56000	87000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*	*0.01*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

									OT501	OT501	OT501	OT502A	OT502A	OT502A	OT502A	OT502B	OT502B	OT502B	OT502B	OT502B	OT502B	OT502C	OT502C	OT502C	OT502C
									11/01219 /11	11/01219 /12	11/01219 /9	1564969	1564970	11/01219 /1	11/01219 /2	1564971	1564972	1564973	11/01219 /3	11/01219 /4	11/01219 /5	1564974	1564975	1564976	11/01219 /6
									1.8	3.3	0.3	0.5	0.8	0.5	0.8	0.5	0.9	1.3	0.5	0.9	1.3	0.5	0.9	1.4	0.5
									IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**	**C4SL Commercial/ Industrial (1970s office)**	**C4SL Public Space 2**	**S4UL Commercial/ Industrial (1970s office)**	**S4UL Public Space (park)**																	
BENZ	BTEX - Benzene	SOLID	mg/kg	0.01	98	230	27	90	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*				*0.01*	*0.01*	*0.01*				*0.01*
C05C06GAL	Ali >C5-C6	SOLID	mg/kg	0.01	-	-	3200	95000	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*				*0.01*	*0.01*	*0.01*				*0.01*
C05C07GAR	Aro >C5-C7	SOLID	mg/kg	0.01	-	-	26000	76000	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*				*0.01*	*0.01*	*0.01*				*0.01*
C05C35ALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	35.9			76.3	*0.1*				*0.1*	1.3	*0.1*				*0.1*
C05C35GAL	Total Aliphatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	35.9			76.3	*0.1*				*0.1*	1.3	*0.1*				*0.1*
C05C35GALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	*0.1*		35.9			76.3	*0.1*				*0.1*	1.3	*0.1*				*0.1*
C05C35GAR	Total Aromatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*			*0.1*	*0.1*				*0.1*	*0.1*	*0.1*				*0.1*
C06C08GAL	Ali >C6-C8	SOLID	mg/kg	0.01	-	-	7800	150000	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*				*0.01*	*0.01*	*0.01*				*0.01*
C07C08GAR	Aro >C7-C8	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*				*0.01*	*0.01*	*0.01*				*0.01*
C08C09GAR	Aro >C8-C9	SOLID	mg/kg	0.01	-	-	3500	7200	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*				*0.01*	*0.01*	*0.01*				*0.01*
C08C10GAL	Ali >C8-C10	SOLID	mg/kg	0.01	-	-	2000	14000	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*				*0.01*	*0.01*	*0.01*				*0.01*
C09C10GAR	Aro >C9-C10	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*				*0.01*	*0.01*	*0.01*				*0.01*
C10C12GAL	Ali >C10-C12	SOLID	mg/kg	0.1	-	-	9700	21000	*0.1*	*0.1*	*0.1*			*0.1*	*0.1*				*0.1*	*0.1*	*0.1*				*0.1*
C10C12GAR	Aro >C10-C12	SOLID	mg/kg	0.1	-	-	16000	9200	*0.1*	*0.1*	*0.1*			*0.1*	*0.1*				*0.1*	*0.1*	*0.1*				*0.1*
C12C16GAL	Ali >C12-C16	SOLID	mg/kg	0.1	-	-	59000	25000	*0.1*	*0.1*	*0.1*			*0.1*	*0.1*				*0.1*	*0.1*	*0.1*				*0.1*
C12C16GAR	Aro >C12-C16	SOLID	mg/kg	0.1	-	-	36000	10000	*0.1*	*0.1*	*0.1*			*0.1*	*0.1*				*0.1*	*0.1*	*0.1*				*0.1*
C16C21GAL	Ali >C16-C21	SOLID	mg/kg	0.1	-	-	1600000	450000	*0.1*	*0.1*	*0.1*			3.7	*0.1*				*0.1*	*0.1*	*0.1*				*0.1*
C16C21GAR	Aro >C16-C21	SOLID	mg/kg	0.1	-	-	28000	7600	*0.1*	*0.1*	*0.1*			*0.1*	*0.1*				*0.1*	*0.1*	*0.1*				*0.1*
C21C35GAL	Ali >C21-C35	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	35.9			72.7	*0.1*				*0.1*	1.3	*0.1*				*0.1*
C21C35GAR	Aro >C21-C35	SOLID	mg/kg	0.1	-	-	28000	7800	*0.1*	*0.1*	*0.1*			*0.1*	*0.1*				*0.1*	*0.1*	*0.1*				*0.1*
ETHYL	BTEX - Ethyl Benzene	SOLID	mg/kg	0.01	-	-	5700	17000	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*				*0.01*	*0.01*	*0.01*				*0.01*
MTBE	MTBE	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*				*0.01*	*0.01*	*0.01*				*0.01*
MTBE	MTBE	SOLID_DRY	ug/kg		-	-	-	-				4	4			4	4	4				4	5	6	
MXYL	BTEX - m & p Xylene	SOLID	mg/kg	0.01	-	-	6200	17000	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*				*0.01*	*0.01*	*0.01*				*0.01*
OXYL	BTEX - o Xylene	SOLID	mg/kg	0.01	-	-	6600	17000	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*				*0.01*	*0.01*	*0.01*				*0.01*
TOL	BTEX - Toluene	SOLID	mg/kg	0.01	-	-	56000	87000	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*				*0.01*	*0.01*	*0.01*				*0.01*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	OT502C 11/01219/7	OT502C 11/01219/8	(EAST 1564977	(EAST 1564979	(WEST 1564978	(WEST 1564980	OT503B 1564981	OT503B 1564982	OT503B 1564983	OT503B 11/01219/13	OT503B 11/01219/14	OT503B 11/01219/15	OT613 1608105	OT613 11/02041/1	TP571 1561767	TP571 11/01099/2	TP571 11/01099/3
									0.9	1.4	0.3	1.8	0.9	3.3	0.6	1.9	3	0.6	1.9	3	1.2	1.2	0.3	0.3	1
									IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI
BENZ	BTEX - Benzene	SOLID	mg/kg	0.01	98	230	27	90	*0.01*	*0.01*								*0.01*	*0.01*	*0.01*		*0.01*		*0.01*	*0.01*
C05C06GAL	Ali >C5-C6	SOLID	mg/kg	0.01	-	-	3200	95000	*0.01*	*0.01*								*0.01*	*0.01*	*0.01*		*0.01*		*0.01*	*0.01*
C05C07GAR	Aro >C5-C7	SOLID	mg/kg	0.01	-	-	26000	76000	*0.01*	*0.01*								*0.01*	*0.01*	*0.01*		*0.01*		*0.01*	*0.01*
C05C35ALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*								*0.1*	*0.1*	*0.1*		1130		*0.1*	*0.1*
C05C35GAL	Total Aliphatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*								*0.1*	*0.1*	*0.1*		846		*0.1*	*0.1*
C05C35GALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*								*0.1*	*0.1*	*0.1*		1130		*0.1*	*0.1*
C05C35GAR	Total Aromatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*								*0.1*	*0.1*	*0.1*		287		*0.1*	*0.1*
C06C08GAL	Ali >C6-C8	SOLID	mg/kg	0.01	-	-	7800	150000	*0.01*	*0.01*								*0.01*	*0.01*	*0.01*		0.07		*0.01*	*0.01*
C07C08GAR	Aro >C7-C8	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*								*0.01*	*0.01*	*0.01*		*0.01*		*0.01*	*0.01*
C08C09GAR	Aro >C8-C9	SOLID	mg/kg	0.01	-	-	3500	7200	*0.01*	*0.01*								*0.01*	*0.01*	*0.01*		*0.01*		*0.01*	*0.01*
C08C10GAL	Ali >C8-C10	SOLID	mg/kg	0.01	-	-	2000	14000	*0.01*	*0.01*								*0.01*	*0.01*	*0.01*		2.35		*0.01*	*0.01*
C09C10GAR	Aro >C9-C10	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*								*0.01*	*0.01*	*0.01*		0.3		*0.01*	*0.01*
C10C12GAL	Ali >C10-C12	SOLID	mg/kg	0.1	-	-	9700	21000	*0.1*	*0.1*								*0.1*	*0.1*	*0.1*		143		*0.1*	*0.1*
C10C12GAR	Aro >C10-C12	SOLID	mg/kg	0.1	-	-	16000	9200	*0.1*	*0.1*								*0.1*	*0.1*	*0.1*		29.1		*0.1*	*0.1*
C12C16GAL	Ali >C12-C16	SOLID	mg/kg	0.1	-	-	59000	25000	*0.1*	*0.1*								*0.1*	*0.1*	*0.1*		253		*0.1*	*0.1*
C12C16GAR	Aro >C12-C16	SOLID	mg/kg	0.1	-	-	36000	10000	*0.1*	*0.1*								*0.1*	*0.1*	*0.1*		107		*0.1*	*0.1*
C16C21GAL	Ali >C16-C21	SOLID	mg/kg	0.1	-	-	1600000	450000	*0.1*	*0.1*								*0.1*	*0.1*	*0.1*		169		*0.1*	*0.1*
C16C21GAR	Aro >C16-C21	SOLID	mg/kg	0.1	-	-	28000	7600	*0.1*	*0.1*								*0.1*	*0.1*	*0.1*		88.2		*0.1*	*0.1*
C21C35GAL	Ali >C21-C35	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*								*0.1*	*0.1*	*0.1*		278		*0.1*	*0.1*
C21C35GAR	Aro >C21-C35	SOLID	mg/kg	0.1	-	-	28000	7800	*0.1*	*0.1*								*0.1*	*0.1*	*0.1*		62.2		*0.1*	*0.1*
ETHYL	BTEX - Ethyl Benzene	SOLID	mg/kg	0.01	-	-	5700	17000	*0.01*	*0.01*								*0.01*	*0.01*	*0.01*		*0.01*		*0.01*	*0.01*
MTBE	MTBE	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*								*0.01*	*0.01*	*0.01*		*0.01*		*0.01*	*0.01*
MTBE	MTBE	SOLID_DRY	ug/kg		-	-	-	-			4	5	4	5	5	5	4				4		4		
MXYL	BTEX - m & p Xylene	SOLID	mg/kg	0.01	-	-	6200	17000	*0.01*	*0.01*								*0.01*	*0.01*	*0.01*		*0.01*		*0.01*	*0.01*
OXYL	BTEX - o Xylene	SOLID	mg/kg	0.01	-	-	6600	17000	*0.01*	*0.01*								*0.01*	*0.01*	*0.01*		*0.01*		*0.01*	*0.01*
TOL	BTEX - Toluene	SOLID	mg/kg	0.01	-	-	56000	87000	*0.01*	*0.01*								*0.01*	*0.01*	*0.01*		*0.01*		*0.01*	*0.01*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

									TP571	TP572	TP572	TP572	TP573	TP573	TP573	TP574	TP574	TP574	TP574	TP574	TP575	TP575	TP575	TP576	TP576
									11/01099/4	1561768	11/01099/6	11/01099/7	1561769	11/01099/10	11/01099/9	1561770	1561771	11/01099/12	11/01099/13	11/01099/14	1561772	11/01099/16	11/01099/17	1561773	11/01095/2
									2.7	0.3	0.3	1.2	0.2	0.9	0.2	0.2	0.5	0.2	0.5	1.9	0.3	0.3	0.6	0.4	0.4
									IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**	**C4SL Commercial/ Industrial (1970s office)**	**C4SL Public Space 2**	**S4UL Commercial/ Industrial (1970s office)**	**S4UL Public Space (park)**																	
BENZ	BTEX - Benzene	SOLID	mg/kg	0.01	98	230	27	90	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*			*0.01*	*0.01*	*0.01*		*0.01*	*0.01*		*0.01*
C05C06GAL	Ali >C5-C6	SOLID	mg/kg	0.01	-	-	3200	95000	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*			*0.01*	*0.01*	*0.01*		*0.01*	*0.01*		*0.01*
C05C07GAR	Aro >C5-C7	SOLID	mg/kg	0.01	-	-	26000	76000	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*			*0.01*	*0.01*	*0.01*		*0.01*	*0.01*		*0.01*
C05C35ALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*			*0.1*	*0.1*	*0.1*		*0.1*	*0.1*		*0.1*
C05C35GAL	Total Aliphatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*			*0.1*	*0.1*	*0.1*		*0.1*	*0.1*		*0.1*
C05C35GALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*			*0.1*	*0.1*	*0.1*		*0.1*	*0.1*		*0.1*
C05C35GAR	Total Aromatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*			*0.1*	*0.1*	*0.1*		*0.1*	*0.1*		*0.1*
C06C08GAL	Ali >C6-C8	SOLID	mg/kg	0.01	-	-	7800	150000	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*			*0.01*	*0.01*	*0.01*		*0.01*	*0.01*		*0.01*
C07C08GAR	Aro >C7-C8	SOLID	mg/kg	0.01	-	-	-	-	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*			*0.01*	*0.01*	*0.01*		*0.01*	*0.01*		*0.01*
C08C09GAR	Aro >C8-C9	SOLID	mg/kg	0.01	-	-	3500	7200	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*			*0.01*	*0.01*	*0.01*		*0.01*	*0.01*		*0.01*
C08C10GAL	Ali >C8-C10	SOLID	mg/kg	0.01	-	-	2000	14000	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*			*0.01*	*0.01*	*0.01*		*0.01*	*0.01*		*0.01*
C09C10GAR	Aro >C9-C10	SOLID	mg/kg	0.01	-	-	-	-	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*			*0.01*	*0.01*	*0.01*		*0.01*	*0.01*		*0.01*
C10C12GAL	Ali >C10-C12	SOLID	mg/kg	0.1	-	-	9700	21000	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*			*0.1*	*0.1*	*0.1*		*0.1*	*0.1*		*0.1*
C10C12GAR	Aro >C10-C12	SOLID	mg/kg	0.1	-	-	16000	9200	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*			*0.1*	*0.1*	*0.1*		*0.1*	*0.1*		*0.1*
C12C16GAL	Ali >C12-C16	SOLID	mg/kg	0.1	-	-	59000	25000	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*			*0.1*	*0.1*	*0.1*		*0.1*	*0.1*		*0.1*
C12C16GAR	Aro >C12-C16	SOLID	mg/kg	0.1	-	-	36000	10000	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*			*0.1*	*0.1*	*0.1*		*0.1*	*0.1*		*0.1*
C16C21GAL	Ali >C16-C21	SOLID	mg/kg	0.1	-	-	1600000	450000	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*			*0.1*	*0.1*	*0.1*		*0.1*	*0.1*		*0.1*
C16C21GAR	Aro >C16-C21	SOLID	mg/kg	0.1	-	-	28000	7600	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*			*0.1*	*0.1*	*0.1*		*0.1*	*0.1*		*0.1*
C21C35GAL	Ali >C21-C35	SOLID	mg/kg	0.1	-	-	-	-	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*			*0.1*	*0.1*	*0.1*		*0.1*	*0.1*		*0.1*
C21C35GAR	Aro >C21-C35	SOLID	mg/kg	0.1	-	-	28000	7800	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*			*0.1*	*0.1*	*0.1*		*0.1*	*0.1*		*0.1*
ETHYL	BTEX - Ethyl Benzene	SOLID	mg/kg	0.01	-	-	5700	17000	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*			*0.01*	*0.01*	*0.01*		*0.01*	*0.01*		*0.01*
MTBE	MTBE	SOLID	mg/kg	0.01	-	-	-	-	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*			*0.01*	*0.01*	*0.01*		*0.01*	*0.01*		*0.01*
MTBE	MTBE	SOLID_DRY	ug/kg		-	-	-	-		4			5			4	4				4			5	
MXYL	BTEX - m & p Xylene	SOLID	mg/kg	0.01	-	-	6200	17000	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*			*0.01*	*0.01*	*0.01*		*0.01*	*0.01*		*0.01*
OXYL	BTEX - o Xylene	SOLID	mg/kg	0.01	-	-	6600	17000	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*			*0.01*	*0.01*	*0.01*		*0.01*	*0.01*		*0.01*
TOL	BTEX - Toluene	SOLID	mg/kg	0.01	-	-	56000	87000	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*			*0.01*	*0.01*	*0.01*		*0.01*	*0.01*		*0.01*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

									TP576	TP577	TP577	TP577	TP578	TP578	TP578	TP579	TP579	TP579	TP580	TP580	TP580	TP700/1	TP700/1	TP700/1	TP700/10
									11/01095 /3	1561774	11/01095 /5	11/01095 /6	1561775	11/01095 /8	11/01095 /9	1561776	11/01095 /11	11/01095 /12	1561777	11/01095 /14	11/01095 /15	14/02933 /5	14/02933 /6	14/02933 /8	14/02933 /22
									1.3	0.3	0.3	0.7	0.4	0.4	1.5	0.8	0.8	2.1	1.1	1.1	2.2	0.3	0.95	2	0.4
									IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	DOnGI	DOnGI	DOnGI	DOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**	**C4SL Commercial/ Industrial (1970s office)**	**C4SL Public Space 2**	**S4UL Commercial/ Industrial (1970s office)**	**S4UL Public Space (park)**																	
BENZ	BTEX - Benzene	SOLID	mg/kg	0.01	98	230	27	90	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C06GAL	Ali >C5-C6	SOLID	mg/kg	0.01	-	-	3200	95000	*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*
C05C07GAR	Aro >C5-C7	SOLID	mg/kg	0.01	-	-	26000	76000	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C35ALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*				
C05C35GAL	Total Aliphatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*	*0.1*	95.2	96.2	*0.1*
C05C35GALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*	*0.1*	169	134	*0.1*
C05C35GAR	Total Aromatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*	*0.1*	74	38.2	*0.1*
C06C08GAL	Ali >C6-C8	SOLID	mg/kg	0.01	-	-	7800	150000	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C07C08GAR	Aro >C7-C8	SOLID	mg/kg	0.01	-	-	-	-	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C08C09GAR	Aro >C8-C9	SOLID	mg/kg	0.01	-	-	3500	7200	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C08C10GAL	Ali >C8-C10	SOLID	mg/kg	0.01	-	-	2000	14000	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C09C10GAR	Aro >C9-C10	SOLID	mg/kg	0.01	-	-	-	-	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C10C12GAL	Ali >C10-C12	SOLID	mg/kg	0.1	-	-	9700	21000	*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*
C10C12GAR	Aro >C10-C12	SOLID	mg/kg	0.1	-	-	16000	9200	*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*
C12C16GAL	Ali >C12-C16	SOLID	mg/kg	0.1	-	-	59000	25000	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*	*0.1*	0.2	0.9	*0.1*
C12C16GAR	Aro >C12-C16	SOLID	mg/kg	0.1	-	-	36000	10000	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*	*0.1*	*0.1*	0.4	*0.1*
C16C21GAL	Ali >C16-C21	SOLID	mg/kg	0.1	-	-	1600000	450000	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*	*0.1*	6	6.1	*0.1*
C16C21GAR	Aro >C16-C21	SOLID	mg/kg	0.1	-	-	28000	7600	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*	*0.1*	3.5	3.1	*0.1*
C21C35GAL	Ali >C21-C35	SOLID	mg/kg	0.1	-	-	-	-	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*	*0.1*	89	89.2	*0.1*
C21C35GAR	Aro >C21-C35	SOLID	mg/kg	0.1	-	-	28000	7800	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*		*0.1*	*0.1*	*0.1*	70.4	34.7	*0.1*
ETHYL	BTEX - Ethyl Benzene	SOLID	mg/kg	0.01	-	-	5700	17000	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID	mg/kg	0.01	-	-	-	-	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID_DRY	ug/kg		-	-	-	-		4			4			4			4						
MXYL	BTEX - m & p Xylene	SOLID	mg/kg	0.01	-	-	6200	17000	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
OXYL	BTEX - o Xylene	SOLID	mg/kg	0.01	-	-	6600	17000	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
TOL	BTEX - Toluene	SOLID	mg/kg	0.01	-	-	56000	87000	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

									TP700/10	TP700/11	TP700/11	TP700/11	TP700/12	TP700/12	TP700/12	TP700/13	TP700/13	TP700/14	TP700/14	TP700/15	TP700/15	TP700/16	TP700/17	TP700/17	TP700/17
									14/02933	14/02948	14/02948	14/02948	14/02933	14/02933	14/02933	14/02933	14/02933	14/02933	14/02933	14/03132	14/03132	14/03039	14/02933	14/02933	14/02933
									/24	/1	/2	/3	/25	/26	/27	/30	/31	/28	/29	/12	/13	/1	/32	/33	/34
									1.4	0.5	1	2	0.4	1	1.3	0.5	1	0.3	0.75	0.5	1	0.3	0.5	1	1.3
									DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**	**C4SL Commercial/ Industrial (1970s office)**	**C4SL Public Space 2**	**S4UL Commercial/ Industrial (1970s office)**	**S4UL Public Space (park)**																	
BENZ	BTEX - Benzene	SOLID	mg/kg	0.01	98	230	27	90	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C06GAL	Ali >C5-C6	SOLID	mg/kg	0.01	-	-	3200	95000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C07GAR	Aro >C5-C7	SOLID	mg/kg	0.01	-	-	26000	76000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C35ALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-																	
C05C35GAL	Total Aliphatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C05C35GALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	3.2	*0.1*	*0.1*	*0.1*
C05C35GAR	Total Aromatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	3.2	*0.1*	*0.1*	*0.1*
C06C08GAL	Ali >C6-C8	SOLID	mg/kg	0.01	-	-	7800	150000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C07C08GAR	Aro >C7-C8	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C08C09GAR	Aro >C8-C9	SOLID	mg/kg	0.01	-	-	3500	7200	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C08C10GAL	Ali >C8-C10	SOLID	mg/kg	0.01	-	-	2000	14000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C09C10GAR	Aro >C9-C10	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.12	*0.01*	0.02	0.02	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C10C12GAL	Ali >C10-C12	SOLID	mg/kg	0.1	-	-	9700	21000	*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*
C10C12GAR	Aro >C10-C12	SOLID	mg/kg	0.1	-	-	16000	9200	*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*	0.4	*0.1*	*0.1*	*0.1*
C12C16GAL	Ali >C12-C16	SOLID	mg/kg	0.1	-	-	59000	25000	*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*
C12C16GAR	Aro >C12-C16	SOLID	mg/kg	0.1	-	-	36000	10000	*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*	0.7	*0.1*	*0.1*	*0.1*
C16C21GAL	Ali >C16-C21	SOLID	mg/kg	0.1	-	-	1600000	450000	*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*
C16C21GAR	Aro >C16-C21	SOLID	mg/kg	0.1	-	-	28000	7600	*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*	0.7	*0.1*	*0.1*	*0.1*
C21C35GAL	Ali >C21-C35	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C21C35GAR	Aro >C21-C35	SOLID	mg/kg	0.1	-	-	28000	7800	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	1.2	*0.1*	*0.1*	*0.1*
ETHYL	BTEX - Ethyl Benzene	SOLID	mg/kg	0.01	-	-	5700	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID_DRY	ug/kg		-	-	-	-																	
MXYL	BTEX - m & p Xylene	SOLID	mg/kg	0.01	-	-	6200	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
OXYL	BTEX - o Xylene	SOLID	mg/kg	0.01	-	-	6600	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
TOL	BTEX - Toluene	SOLID	mg/kg	0.01	-	-	56000	87000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

									TP700/18	TP700/18	TP700/19	TP700/19	TP700/2	TP700/2	TP700/20	TP700/22	TP700/22	TP700/23	TP700/23	A	A	TP700/24	TP700/24	TP700/27	TP700/27
									14/02948	14/02948	14/03039	14/03039	14/02933	14/02933	14/02933	14/02948	14/02948	14/03132	14/03132	14/03132	14/03132	14/03132	14/03132	14/03039	14/03039
									/4	/5	/3	/4	/10	/9	/35	/6	/7	/10	/9	/7	/8	/3	/4	/5	/6
									0.4	1	0.5	1	1.3	0.85	0.5	0.4	0.7	0.5	0.3	0.5	1	0.1	0.5	0.3	0.8
									DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**	**C4SL Commercial/ Industrial (1970s office)**	**C4SL Public Space 2**	**S4UL Commercial/ Industrial (1970s office)**	**S4UL Public Space (park)**																	
BENZ	BTEX - Benzene	SOLID	mg/kg	0.01	98	230	27	90	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C06GAL	Ali >C5-C6	SOLID	mg/kg	0.01	-	-	3200	95000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C07GAR	Aro >C5-C7	SOLID	mg/kg	0.01	-	-	26000	76000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C35ALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-																	
C05C35GAL	Total Aliphatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C05C35GALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	6.4	*0.1*	*0.1*	*0.1*
C05C35GAR	Total Aromatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	6.4	*0.1*	*0.1*	*0.1*
C06C08GAL	Ali >C6-C8	SOLID	mg/kg	0.01	-	-	7800	150000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C07C08GAR	Aro >C7-C8	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C08C09GAR	Aro >C8-C9	SOLID	mg/kg	0.01	-	-	3500	7200	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C08C10GAL	Ali >C8-C10	SOLID	mg/kg	0.01	-	-	2000	14000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C09C10GAR	Aro >C9-C10	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C10C12GAL	Ali >C10-C12	SOLID	mg/kg	0.1	-	-	9700	21000	*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*
C10C12GAR	Aro >C10-C12	SOLID	mg/kg	0.1	-	-	16000	9200	*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*	0.5	*0.1*	*0.1*	*0.1*
C12C16GAL	Ali >C12-C16	SOLID	mg/kg	0.1	-	-	59000	25000	*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*
C12C16GAR	Aro >C12-C16	SOLID	mg/kg	0.1	-	-	36000	10000	*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	*0.1*	*0.1*	*0.1*
C16C21GAL	Ali >C16-C21	SOLID	mg/kg	0.1	-	-	1600000	450000	*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*
C16C21GAR	Aro >C16-C21	SOLID	mg/kg	0.1	-	-	28000	7600	*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*	0.5	*0.1*	*0.1*	*0.1*
C21C35GAL	Ali >C21-C35	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C21C35GAR	Aro >C21-C35	SOLID	mg/kg	0.1	-	-	28000	7800	*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*	4.4	*0.1*	*0.1*	*0.1*
ETHYL	BTEX - Ethyl Benzene	SOLID	mg/kg	0.01	-	-	5700	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID_DRY	ug/kg		-	-	-	-																	
MXYL	BTEX - m & p Xylene	SOLID	mg/kg	0.01	-	-	6200	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
OXYL	BTEX - o Xylene	SOLID	mg/kg	0.01	-	-	6600	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
TOL	BTEX - Toluene	SOLID	mg/kg	0.01	-	-	56000	87000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

									TP700/28	TP700/28	TP700/29	TP700/3	TP700/3	TP700/39	TP700/49	TP700/5	TP700/5	TP700/6	TP700/6	TP700/7	TP700/7	TP700/8	TP700/9	TP700/9	TP700/9
									14/03039/8	14/03039/9	14/03132/1	14/02933/11	14/02933/12	14/02933/1	14/02894/1	14/02933/17	14/02933/18	14/02933/36	14/02933/37	14/02933/14	14/02933/15	14/02933/16	14/02933/19	14/02933/20	14/02933/21
									0.5	1	0.5	0.4	0.95	0.5	0.5	0.2	0.8	0.3	0.8	0.4	0.9	0.4	0.4	0.8	1.5
									DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**	**C4SL Commercial/ Industrial (1970s office)**	**C4SL Public Space 2**	**S4UL Commercial/ Industrial (1970s office)**	**S4UL Public Space (park)**																	
BENZ	BTEX - Benzene	SOLID	mg/kg	0.01	98	230	27	90	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C06GAL	Ali >C5-C6	SOLID	mg/kg	0.01	-	-	3200	95000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C07GAR	Aro >C5-C7	SOLID	mg/kg	0.01	-	-	26000	76000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C35ALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-																	
C05C35GAL	Total Aliphatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C05C35GALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C05C35GAR	Total Aromatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C06C08GAL	Ali >C6-C8	SOLID	mg/kg	0.01	-	-	7800	150000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C07C08GAR	Aro >C7-C8	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C08C09GAR	Aro >C8-C9	SOLID	mg/kg	0.01	-	-	3500	7200	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C08C10GAL	Ali >C8-C10	SOLID	mg/kg	0.01	-	-	2000	14000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C09C10GAR	Aro >C9-C10	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C10C12GAL	Ali >C10-C12	SOLID	mg/kg	0.1	-	-	9700	21000	*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*
C10C12GAR	Aro >C10-C12	SOLID	mg/kg	0.1	-	-	16000	9200	*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*
C12C16GAL	Ali >C12-C16	SOLID	mg/kg	0.1	-	-	59000	25000	*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*
C12C16GAR	Aro >C12-C16	SOLID	mg/kg	0.1	-	-	36000	10000	*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*
C16C21GAL	Ali >C16-C21	SOLID	mg/kg	0.1	-	-	1600000	450000	*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*
C16C21GAR	Aro >C16-C21	SOLID	mg/kg	0.1	-	-	28000	7600	*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*
C21C35GAL	Ali >C21-C35	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C21C35GAR	Aro >C21-C35	SOLID	mg/kg	0.1	-	-	28000	7800	*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*
ETHYL	BTEX - Ethyl Benzene	SOLID	mg/kg	0.01	-	-	5700	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID_DRY	ug/kg		-	-	-	-																	
MXYL	BTEX - m & p Xylene	SOLID	mg/kg	0.01	-	-	6200	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
OXYL	BTEX - o Xylene	SOLID	mg/kg	0.01	-	-	6600	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
TOL	BTEX - Toluene	SOLID	mg/kg	0.01	-	-	56000	87000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

									TP800/01	TP800/01	TP800/02	TP800/02	TP800/03	TP800/04	TP800/04	TP800/05	TP800/05	TP800/06	TP800/07	TP800/08	TP800/09	TP800/10	TP800/11	TP800/12	TP800/13
									14/05824 /1	14/05824 /2	14/05824 /3	14/05824 /4	14/05632 /2	14/05708 /7	14/05708 /8	14/05666 /1	14/05666 /2	14/05563 /14	14/05563 /12	14/05563 /6	14/05563 /5	14/05563 /8	14/05563 /9	14/05563 /3	14/05563 /2
									0.5	1.5	0.5	1	0.5	0.5	1	0.5	1	0.5	0.5	1	0.5	0.5	0.5	1	1
									DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**	**C4SL Commercial/ Industrial (1970s office)**	**C4SL Public Space 2**	**S4UL Commercial/ Industrial (1970s office)**	**S4UL Public Space (park)**																	
BENZ	BTEX - Benzene	SOLID	mg/kg	0.01	98	230	27	90	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C06GAL	Ali >C5-C6	SOLID	mg/kg	0.01	-	-	3200	95000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C07GAR	Aro >C5-C7	SOLID	mg/kg	0.01	-	-	26000	76000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C35ALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-																	
C05C35GAL	Total Aliphatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C05C35GALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	1.1	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C05C35GAR	Total Aromatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	1.1	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C06C08GAL	Ali >C6-C8	SOLID	mg/kg	0.01	-	-	7800	150000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C07C08GAR	Aro >C7-C8	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C08C09GAR	Aro >C8-C9	SOLID	mg/kg	0.01	-	-	3500	7200	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C08C10GAL	Ali >C8-C10	SOLID	mg/kg	0.01	-	-	2000	14000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C09C10GAR	Aro >C9-C10	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C10C12GAL	Ali >C10-C12	SOLID	mg/kg	0.1	-	-	9700	21000	*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*
C10C12GAR	Aro >C10-C12	SOLID	mg/kg	0.1	-	-	16000	9200	*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*
C12C16GAL	Ali >C12-C16	SOLID	mg/kg	0.1	-	-	59000	25000	*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*
C12C16GAR	Aro >C12-C16	SOLID	mg/kg	0.1	-	-	36000	10000	*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*
C16C21GAL	Ali >C16-C21	SOLID	mg/kg	0.1	-	-	1600000	450000	*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*
C16C21GAR	Aro >C16-C21	SOLID	mg/kg	0.1	-	-	28000	7600	*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*
C21C35GAL	Ali >C21-C35	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C21C35GAR	Aro >C21-C35	SOLID	mg/kg	0.1	-	-	28000	7800	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	1.1	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
ETHYL	BTEX - Ethyl Benzene	SOLID	mg/kg	0.01	-	-	5700	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID_DRY	ug/kg		-	-	-	-																	
MXYL	BTEX - m & p Xylene	SOLID	mg/kg	0.01	-	-	6200	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
OXYL	BTEX - o Xylene	SOLID	mg/kg	0.01	-	-	6600	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
TOL	BTEX - Toluene	SOLID	mg/kg	0.01	-	-	56000	87000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	TP800/14 14/05563 /1 0.5 DOnGI	TP800/15 14/05563 /7 0.5 DOnGI	TP800/16 14/05790 /1 0.5 DOnGI	TP800/16 14/05790 /2 1 DOnGI	TP800/16 14/05790 /3 2 DOnGI	TP800/16 14/05790 /4 3 DOnGI	TP800/17 14/05790 /5 0.5 DOnGI	TP800/17 14/05790 /6 1 DOnGI	TP800/17 14/05790 /8 3 DOnGI	TP800/18 14/05708 /1 0.5 DOnGI	TP800/18 14/05708 /2 1 DOnGI	TP800/18 14/05708 /3 2 DOnGI	TP800/19 14/05764 /1 0.5 DOnGI	TP800/19 14/05764 /2 1 DOnGI	TP800/20 14/05666 /3 0.5 DOnGI	TP800/20 14/05666 /4 1 DOnGI	TP800/21 14/05708 /4 0.5 DOnGI
BENZ	BTEX - Benzene	SOLID	mg/kg	0.01	98	230	27	90	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C06GAL	Ali >C5-C6	SOLID	mg/kg	0.01	-	-	3200	95000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C07GAR	Aro >C5-C7	SOLID	mg/kg	0.01	-	-	26000	76000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C35ALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-																	
C05C35GAL	Total Aliphatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C05C35GALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C05C35GAR	Total Aromatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C06C08GAL	Ali >C6-C8	SOLID	mg/kg	0.01	-	-	7800	150000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C07C08GAR	Aro >C7-C8	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C08C09GAR	Aro >C8-C9	SOLID	mg/kg	0.01	-	-	3500	7200	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C08C10GAL	Ali >C8-C10	SOLID	mg/kg	0.01	-	-	2000	14000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C09C10GAR	Aro >C9-C10	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C10C12GAL	Ali >C10-C12	SOLID	mg/kg	0.1	-	-	9700	21000	*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*
C10C12GAR	Aro >C10-C12	SOLID	mg/kg	0.1	-	-	16000	9200	*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*
C12C16GAL	Ali >C12-C16	SOLID	mg/kg	0.1	-	-	59000	25000	*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*
C12C16GAR	Aro >C12-C16	SOLID	mg/kg	0.1	-	-	36000	10000	*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*
C16C21GAL	Ali >C16-C21	SOLID	mg/kg	0.1	-	-	1600000	450000	*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*
C16C21GAR	Aro >C16-C21	SOLID	mg/kg	0.1	-	-	28000	7600	*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*
C21C35GAL	Ali >C21-C35	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C21C35GAR	Aro >C21-C35	SOLID	mg/kg	0.1	-	-	28000	7800	*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*
ETHYL	BTEX - Ethyl Benzene	SOLID	mg/kg	0.01	-	-	5700	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID_DRY	ug/kg		-	-	-	-																	
MXYL	BTEX - m & p Xylene	SOLID	mg/kg	0.01	-	-	6200	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
OXYL	BTEX - o Xylene	SOLID	mg/kg	0.01	-	-	6600	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
TOL	BTEX - Toluene	SOLID	mg/kg	0.01	-	-	56000	87000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	TP800/21 14/05708 /5 1 DOnGI	TP800/22 14/05632 /16 0.5 DOnGI	TP800/22 14/05632 /18 1.6 DOnGI	TP800/22 14/05632 /20 3 DOnGI	TP800/23 14/05632 /21 0.5 DOnGI	TP800/23 14/05632 /22 1 DOnGI	TP800/23 14/05632 /24 2 DOnGI	A 14/05632 /28 0.5 DOnGI	A 14/05632 /30 2 DOnGI	A 14/05632 /31 3 DOnGI	TP800/25 14/05632 /11 0.5 DOnGI	TP800/25 14/05632 /14 1 DOnGI	TP800/25 14/05632 /15 1.8 DOnGI	TP800/26 14/05632 /3 0.5 DOnGI	TP800/26 14/05632 /5 1 DOnGI	TP800/27 14/05632 /7 0.5 DOnGI	TP800/27 14/05632 /8 1 DOnGI
BENZ	BTEX - Benzene	SOLID	mg/kg	0.01	98	230	27	90	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C06GAL	Ali >C5-C6	SOLID	mg/kg	0.01	-	-	3200	95000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C07GAR	Aro >C5-C7	SOLID	mg/kg	0.01	-	-	26000	76000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C35ALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-																	
C05C35GAL	Total Aliphatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	9.4	*0.1*	*0.1*	*0.1*
C05C35GALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	1.7	9.4	*0.1*	1.2	*0.1*
C05C35GAR	Total Aromatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	1.7	*0.1*	*0.1*	1.2	*0.1*
C06C08GAL	Ali >C6-C8	SOLID	mg/kg	0.01	-	-	7800	150000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C07C08GAR	Aro >C7-C8	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C08C09GAR	Aro >C8-C9	SOLID	mg/kg	0.01	-	-	3500	7200	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C08C10GAL	Ali >C8-C10	SOLID	mg/kg	0.01	-	-	2000	14000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C09C10GAR	Aro >C9-C10	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C10C12GAL	Ali >C10-C12	SOLID	mg/kg	0.1	-	-	9700	21000	*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*
C10C12GAR	Aro >C10-C12	SOLID	mg/kg	0.1	-	-	16000	9200	*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*
C12C16GAL	Ali >C12-C16	SOLID	mg/kg	0.1	-	-	59000	25000	*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*	1.4	*0.1*	*0.1*	*0.1*
C12C16GAR	Aro >C12-C16	SOLID	mg/kg	0.1	-	-	36000	10000	*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*
C16C21GAL	Ali >C16-C21	SOLID	mg/kg	0.1	-	-	1600000	450000	*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*	3.7	*0.1*	*0.1*	*0.1*
C16C21GAR	Aro >C16-C21	SOLID	mg/kg	0.1	-	-	28000	7600	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	0.9	*0.1*	*0.1*	0.2	*0.1*
C21C35GAL	Ali >C21-C35	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	4.4	*0.1*	*0.1*	*0.1*
C21C35GAR	Aro >C21-C35	SOLID	mg/kg	0.1	-	-	28000	7800	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	0.9	*0.1*	*0.1*	1	*0.1*
ETHYL	BTEX - Ethyl Benzene	SOLID	mg/kg	0.01	-	-	5700	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID_DRY	ug/kg		-	-	-	-																	
MXYL	BTEX - m & p Xylene	SOLID	mg/kg	0.01	-	-	6200	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
OXYL	BTEX - o Xylene	SOLID	mg/kg	0.01	-	-	6600	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
TOL	BTEX - Toluene	SOLID	mg/kg	0.01	-	-	56000	87000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	TP800/28 14/05632 /1 0.5 DOnGI	TP800/29 14/05563 /13 0.5 DOnGI	TP800/30 14/05632 /25 0.5 DOnGI	TP800/30 14/05632 /26 1 DOnGI	TP800/31 14/05563 /10 0.4 DOnGI	TP800/32 14/05563 /11 0.5 DOnGI	TP800/33 14/05563 /4 1 DOnGI
BENZ	BTEX - Benzene	SOLID	mg/kg	0.01	98	230	27	90	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C06GAL	Ali >C5-C6	SOLID	mg/kg	0.01	-	-	3200	95000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C07GAR	Aro >C5-C7	SOLID	mg/kg	0.01	-	-	26000	76000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C05C35ALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-							
C05C35GAL	Total Aliphatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C05C35GALAR	TPH (Ali & Aro)	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C05C35GAR	Total Aromatics	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C06C08GAL	Ali >C6-C8	SOLID	mg/kg	0.01	-	-	7800	150000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C07C08GAR	Aro >C7-C8	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C08C09GAR	Aro >C8-C9	SOLID	mg/kg	0.01	-	-	3500	7200	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C08C10GAL	Ali >C8-C10	SOLID	mg/kg	0.01	-	-	2000	14000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C09C10GAR	Aro >C9-C10	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
C10C12GAL	Ali >C10-C12	SOLID	mg/kg	0.1	-	-	9700	21000	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C10C12GAR	Aro >C10-C12	SOLID	mg/kg	0.1	-	-	16000	9200	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C12C16GAL	Ali >C12-C16	SOLID	mg/kg	0.1	-	-	59000	25000	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C12C16GAR	Aro >C12-C16	SOLID	mg/kg	0.1	-	-	36000	10000	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C16C21GAL	Ali >C16-C21	SOLID	mg/kg	0.1	-	-	1600000	450000	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C16C21GAR	Aro >C16-C21	SOLID	mg/kg	0.1	-	-	28000	7600	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C21C35GAL	Ali >C21-C35	SOLID	mg/kg	0.1	-	-	-	-	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
C21C35GAR	Aro >C21-C35	SOLID	mg/kg	0.1	-	-	28000	7800	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
ETHYL	BTEX - Ethyl Benzene	SOLID	mg/kg	0.01	-	-	5700	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID	mg/kg	0.01	-	-	-	-	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
MTBE	MTBE	SOLID_DRY	ug/kg		-	-	-	-							
MXYL	BTEX - m & p Xylene	SOLID	mg/kg	0.01	-	-	6200	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
OXYL	BTEX - o Xylene	SOLID	mg/kg	0.01	-	-	6600	17000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
TOL	BTEX - Toluene	SOLID	mg/kg	0.01	-	-	56000	87000	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	Min. Value	Max. Value	Total no. of results	No. of results <LOD	Borehole ID	BH882R	OT501	OT501	OT501	OT501	OT501	OT501	OT502A	OT502A	OT502A	OT502A	OT502A	OT502A	OT502B	OT502B	OT502B	OT502B	OT502B	OT502B	OT502B	OT502B	OT502C	OT502C	OT502C	OT502C	OT502C	OT502C	OT502C	OT502C
													Specimen Reference	14/04155 /1	1561778	1561779	00156177 8TC0922	00156177 8TC0928	00156177 9TC0922	00156177 9TC0928	1564969	1564970	00156496 9TC0922	00156496 9TC0928	00156497 0TC0922	00156497 0TC0928	1564971	1564972	1564973	00156497 1TC0922	00156497 1TC0928	00156497 2TC0922	00156497 2TC0928	00156497 3TC0922	00156497 3TC0928	1564974	1564975	1564976	00156497 4TC0922	00156497 4TC0928	00156497 5TC0922	00156497 5TC0928	00156497 6TC0922
													Depth	0	0.2	1.8	0.2	0.2	1.8	1.8	0.5	0.8	0.5	0.5	0.8	0.8	0.5	0.9	1.3	0.5	0.5	0.9	0.9	1.3	1.3	0.5	0.9	1.4	0.5	0.5	0.9	0.9	1.4
													Phase	DOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI
1112TCE	1,1,1,2-Tetrachloroethane	SOLID	ug/kg	1	-	-	110000	1500000	1	1	61	61		*1*																												
1112TCE	1,1,1,2-Tetrachloroethane	SOLID_DRY	ug/kg	-	-	-	110000	1500000	2	3	29	-			2	3					2	2					2	2	2								2	2	3				
111TCE	1,1,1-Trichloroethane	SOLID	ug/kg	1	-	-	660000	57000000	1	1	61	61		*1*																												
111TCE	1,1,1-Trichloroethane	SOLID_DRY	ug/kg	-	-	-	660000	57000000	0.2	0.3	29	-			0.2	0.3					0.2	0.2					0.2	0.2	0.2								0.2	0.2	0.3				
1122TCE	1,1,2,2-Tetrachloroethane	SOLID	ug/kg	1	-	-	270000	1800000	1	1	61	61		*1*																												
1122TCE	1,1,2,2-Tetrachloroethane	SOLID_DRY	ug/kg	-	-	-	270000	1800000	3	5	29	-			3	5					3	3					3	3	3								3	4	4				
112TCE	1,1,2-Trichloroethane	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
112TCE	1,1,2-Trichloroethane	SOLID_DRY	ug/kg	-	-	-	-	-	0.3	0.5	29	-			0.3	0.5					0.3	0.3					0.3	0.3	0.3								0.3	0.4	0.4				
11DCP	1,1-Dichloropropene	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
11DCP	1,1-Dichloropropene	SOLID_DRY	ug/kg	-	-	-	-	-	0.6	0.9	29	-			0.6	0.9					0.6	0.6					0.6	0.6	0.6								0.6	0.7	0.9				
11DEA	1,1-Dichloroethane	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
11DEA	1,1-Dichloroethane	SOLID_DRY	ug/kg	-	-	-	-	-	0.2	0.3	29	-			0.2	0.3					0.2	0.2					0.2	0.2	0.2								0.2	0.2	0.3				
11DEE	1,1-Dichloroethene	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
11DEE	1,1-Dichloroethene	SOLID_DRY	ug/kg	-	-	-	-	-	1	2	29	-			*1*	2					*1*	*1*					*1*	*1*	*1*								*1*	*1*	*1*				
123TCB	1,2,3-Trichlorobenzene	SOLID	ug/kg	3	-	-	102000	770000	3	3	61	61		3																												
123TCB	1,2,3-Trichlorobenzene	SOLID_DRY	ug/kg	-	-	-	102000	770000	3	5	29	-			3	5					3	3					3	3	3								3	4	4				
123TCP	1,2,3-Trichloropropane	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
123TCP	1,2,3-Trichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-	1	2	29	-			*1*	2					*1*	*1*					*1*	*1*	*1*								*1*	*1*	*1*				
123TMB		SOLID_DRY	ug/kg	-	-	-	-	-	1	2	29	-			*1*	2					*1*	*1*					*1*	*1*	*1*								*1*	*1*	*1*				
124TCB	1,2,4-Trichlorobenzene	SOLID	ug/kg	3	-	-	220000	1700000	3	3	61	61		3																												
124TCB	1,2,4-Trichlorobenzene	SOLID_DRY	ug/kg	-	-	-	220000	1700000	5	30	57	-					30	5	30	8			30	5	30	5				30	5	30	5	30	5				30	5	30	6	30
124TMB	1,2,4-Trimethylbenzene	SOLID	ug/kg	1	-	-	-	-	1	2	61	60		2																												
124TMB	1,2,4-Trimethylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-	0.7	100	29	-			*1*	2					0.7	0.7					0.7	0.7	0.7								0.7	0.9	*1*				
12D3C	1,2-Dibromo-3-chloropropane	SOLID	ug/kg	2	-	-	-	-	2	3	61	60		2																												
12D3C	1,2-Dibromo-3-chloropropane	SOLID_DRY	ug/kg	-	-	-	-	-	2	3	29	-			2	3					2	2					2	2	2								2	2	3				
12DB	1,2-Dichlorobenzene	SOLID	ug/kg	1	-	-	2000000	24000000	1	1	61	61		*1*																												
12DB	1,2-Dichlorobenzene	SOLID_DRY	ug/kg	-	-	-	2000000	24000000	2	30	57	-					30	2	30	3			30	2	30	2				30	2	30	2	30	2				30	2	30	2	30
12DEA	1,2-Dichloroethane	SOLID	ug/kg	2	-	-	670	21000	2	2	61	61		2																												
12DEA	1,2-Dichloroethane	SOLID_DRY	ug/kg	-	-	-	670	21000	0.3	0.5	29	-			0.3	0.5					0.3	0.3					0.3	0.3	0.3								0.3	0.4	0.4				
12DEE	cis 1,2-Dichloroethene	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
12DEE	cis 1,2-Dichloroethene	SOLID_DRY	ug/kg	-	-	-	-	-	1	4	29	-			*1*	3					2	*1*					*1*	*1*	2								*1*	*1*	4				
12DIB	1,2-Dibromoethane	SOLID	ug/kg	1	-	-	-	-	1	5	61	57		*1*																												
12DIB	1,2-Dibromoethane	SOLID_DRY	ug/kg	-	-	-	-	-	3	5	29	-			3	5					3	3					3	3	3								3	4	4				
12DNB		SOLID_DRY	ug/kg	-	-	-	-	-	100	100	28	-			100	100					100	100					100	100	100								100	100	100				
12DP	1,2-Dichloropropane	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
12DP	1,2-Dichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-	0.5	0.8	29	-			0.5	0.8					0.5	0.5					0.5	0.5	0.5								0.5	0.6	0.7				
13STCB		SOLID_DRY	ug/kg	-	-	-	-	-	10	20	29	-			10	20					10	10					10	10	10								10	10	10				
13STMB	1,3,5-Trimethylbenzene	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
13STMB	1,3,5-Trimethylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-	0.5	1	29	-			0.7	0.8					0.5	0.5					0.5	0.5	0.5								0.5	0.6	0.7				
13DB	1,3-Dichlorobenzene	SOLID	ug/kg	1	-	-	30000	390000	1	1	61	61		*1*																												
13DB	1,3-Dichlorobenzene	SOLID_DRY	ug/kg	-	-	-	30000	390000	1	30	57	-					30	*1*	30	2			30	*1*	30	*1*				30	*1*	30	*1*	30	*1*				30	*1*	30	*1*	30
13DCP		SOLID_DRY	ug/kg	-	-	-	-	-	2	2	29	-			2	2					2	2					2	2	2								2	2	2				
13DCPE	cis 1,3-Dichloropropene	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
13DCPE	cis 1,3-Dichloropropene	SOLID_DRY	ug/kg	-	-	-	-	-	1	1	29	-			*1*	*1*					*1*	*1*					*1*	*1*	*1*								*1*	*1*	*1*				
13DNB		SOLID_DRY	ug/kg	-	-	-	-	-	30	30	28	-			30	30					30	30					30	30	30								30	30	30				
13DP	1,3-Dichloropropane	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
13DP	1,3-Dichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-	2	3	29	-			2	3					2	2					2	2	2								2	2	3				
14DB	1,4-Dichlorobenzene	SOLID	ug/kg	1	-	-	4400000	36000000	1	1	61	61		*1*																												
14DB	1,4-Dichlorobenzene	SOLID_DRY	ug/kg	-	-	-	4400000	36000000	0.5	50	57	-					30	0.5	30	0.8			30	0.5	30	0.5				30	0.5	30	0.5	30	0.5				30	0.5	30	0.6	30
14DNB		SOLID_DRY	ug/kg	-	-	-	-	-	40	40	28	-			40	40					40	40					40	40	40								40	40	40				
22DP	2,2-Dichloropropane	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
22DP	2,2-Dichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-	1	2	29	-			*1*	2					*1*	*1*					*1*	*1*	*1*								*1*	*1*	*1*				
2346TCP		SOLID_DRY	ug/kg	-	-	-	-	-	30	30	28	-			30	30					30	30					30	30	30								30	30	30				
2356TCP		SOLID_DRY	ug/kg	-	-	-	-	-	30	30	28	-			30	30					30	30					30	30	30								30	30	30				
245TCP	2,4,5-Trichlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-	20	20	28	-			20	20					20	20					20	20	20								20	20	20				
246TCP	2,4,6-Trichlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-	30	30	28	-			30	30					30	30					30	30	30								30	30	30				
24DCP	2,4-Dichlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-	30	30	28	-			30	30					30	30					30	30	30								30	30	30				
24DMP	2,4-Dimethylphenol	SOLID_DRY	ug/kg	-	-	-	-	-	30	200	28	-			30	50					30	30					30	30	30								30	30	30				
24DNT	2,4-Dinitrotoluene	SOLID_DRY	ug/kg	-	-	-	-	-	40	40	28	-			40	40					40	40					40	40	40								40	40	40				
26DNT	2,6-Dinitrotoluene	SOLID_DRY	ug/kg	-	-	-	-	-	40	40	28	-			40	40					40	40					40	40	40								40	40	40				
2CNAP	2-Chloronaphthalene	SOLID_DRY	ug/kg	-	-	-	-	-	40	40	28	-			40	40					40	40					40	40	40								40	40	40				
2CP	2-Chlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-	30	30	28	-			30	30					30	30					30	30	30								30	30	30				
2CT	2-Chlorotoluene	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
2CT	2-Chlorotoluene	SOLID_DRY	ug/kg	-	-	-	-	-	0.7	1	29	-			0.7	*1*					0.7	0.7					0.7	0.7	0.7								0.7	0.9	*1*				
2MNAP	2-Methylnaphthalene	SOLID_DRY	ug/kg	-	-	-	-	-	50	13900	28	-			50	80					50	50					50	50	50								50	50	50				
2MP	2-Methylphenol	SOLID_DRY	ug/kg	-	-	-	-	-	30	500	28	-			30	500					30	30					30	30	30								30	30	30				
2NA		SOLID_DRY	ug/kg	-	-	-	-	-	20	20	28	-			20	20					20	20					20	20	20								20	20	20				
2NP	2-Nitrophenol	SOLID_DRY	ug/kg	-	-	-	-	-	30	30	28	-			30	30					30	30					30	30	30								30	30	30				
34MP		SOLID_DRY	ug/kg	-	-	-	-	-	90	100	28	-			90	90					90	90					90	90	90								90	90	90				
3CT		SOLID_DRY	ug/kg	-	-	-	-	-	1	2	29	-			*1*	2					*1*	*1*					*1*	*1*	*1*								*1*	*1*	*1*				
3NA4NA		SOLID_DRY	ug/kg	-	-	-	-	-	90	90	28	-			90	90					90	90					90	90	90								90	90	90				
4BPPE		SOLID_DRY	ug/kg	-	-	-	-	-	30	30	28	-			30	30					30	30					30	30	30								30	30	30				
4C3MP	4-Chloro-3-methylphenol	SOLID_DRY	ug/kg	-	-	-	-	-	30	30	28	-			30	30					30	30					30	30	30								30	30	30				
4CA		SOLID_DRY	ug/kg	-	-	-	-	-	40	19100	28	-			40	40					40	40					40	40	40								40	40	40				
4CPPE		SOLID_DRY	ug/kg	-	-	-	-	-	30	30	28	-			30	30					30	30					30	30	30								30	30	30				
4CT	4-Chlorotoluene	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
4CT	4-Chlorotoluene	SOLID_DRY	ug/kg	-	-	-	-	-	1	2	29	-			*1*	2					*1*	*1*					*1*	*1*	*1*								*1*	*1*	*1*				
4IPT	4-Isopropyltoluene	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
4IPT	4-Isopropyltoluene	SOLID_DRY	ug/kg	-	-	-	-	-	0.8	1	29	-			0.8	*1*					0.8	0.8					0.8	0.8	0.8								0.8	*1*	*1*				
AZB		SOLID_DRY	ug/kg	-	-	-	-	-	30	30	28	-			30	30					30	30					30	30	30								30	30	30				
B2CEM	Bis(2-chloroethoxy)methane	SOLID_DRY	ug/kg	-	-	-	-	-	40	40	28	-			40	40					40	40					40	40	40								40	40	40				
B2CEYE		SOLID_DRY	ug/kg	-	-	-	-	-	30	30	28	-			30	30					30	30					30	30	30								30	30	30				
B2CIPE	Bis(2-chloroisopropyl)ether	SOLID_DRY	ug/kg	-	-	-	-	-	60	60	28	-			60	60					60	60					60	60	60								60	60	60				
B2EHAP		SOLID_DRY	ug/kg	-	-	-	-	-	70	90	28	-			70	70					70	70					70	70	70								70	70	70				
B2EHP	Bis(2-ethylhexyl)phthalate	SOLID_DRY	ug/kg	-	-	-	-	-	70	1000	28	-			70	70					70	70					70	70	70								70	70	200				
BBP	Butylbenzyl phthalate SVOC	SOLID_DRY	ug/kg	-	-	-	-	-	50	50	28	-			50	50					50	50					50	50	50								50	50	50				
BENZ	BTEX - Benzene	SOLID_DRY	ug/kg	-	-	-	27	90	1	2	29	-			*1*	2					*1*	*1*					*1*	*1*	*1*								*1*	*1*	2				
BENZ	BTEX - Benzene	SOLID_VOC	ug/kg	1	-	-	27	90	1	1	61	61		*1*																												
BENZALC		SOLID_DRY	ug/kg	-	-	-	-	-	40	40	28	-			40	40					40	40					40	40	40								40	40	40				
BROMBE	Bromobenzene	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
BROMBE	Bromobenzene	SOLID_DRY	ug/kg	-	-	-	-	-	2	3	29	-			2	3					2	2					2	2	2								2	2	3				
BROMCM	Bromochloromethane	SOLID	ug/kg	5	-	-	-	-	5	5	61	61		5																												
BROMCM	Bromochloromethane	SOLID_DRY	ug/kg	-	-	-	-	-	0.5	6	29	-			0.5	0.8					0.5	0.5					0.5	0.5	6								0.5	0.6	0.7				
BROMF	Bromoform	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
BROMF	Bromoform	SOLID_DRY	ug/kg	-	-	-	-	-	2	3	29	-			2	3					2	2					2	2	2								2	2	3				
BROMM	Bromomethane	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
BROMM	Bromomethane	SOLID_DRY	ug/kg	-	-	-	-	-	10	20	29	-			10	20					10	10					10	10	10								10	10	10				
BROMO	Bromodichloromethane	SOLID	ug/kg	10	-	-	-	-	10	10	61	61		10																												
BROMO	Bromodichloromethane	SOLID_DRY	ug/kg	-	-	-	-	-	0.5	0.8	29	-			0.5	0.8					0.5	0.5					0.5	0.5	0.5								0.5	0.6	0.7				
C	trans 1,2-Dichloroethene	SOLID	ug/kg	1	-	-	-	-	1	1	18	18																														
CBENZ	Chlorobenzene	SOLID	ug/kg	1	-	-	56000	1300000	1	1	61	61		*1*																												
CBENZ	Chlorobenzene	SOLID_DRY	ug/kg	-	-	-	56000	1300000	1	2	29	-			*1*	2					*1*	*1*					*1*	*1*	*1*								*1*	*1*	*1*				
CBZ	Carbazole	SOLID_DRY	ug/kg	-	-	-	-	-	40	27400	28	-			40	40					40	40					40	40	40								40	40	40				
CDS	Carbon Disulphide	SOLID	ug/kg	1	-	-	11000	1300000	1	1	61	61		*1*																												
CDS	Carbon Disulphide	SOLID_DRY	ug/kg	-	-	-	11000	1300000	10	20	29	-			10	20					10	10					10	10	10								10	10	10				
CETH	Chloroethane	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	Min. Value	Max. Value	Total no. of results	No. of results <LOD	Borehole ID	BH882R	OT501	OT501	OT501	OT501	OT501	OT501	OT502A	OT502A	OT502A	OT502A	OT502A	OT502A	OT502B	OT502B	OT502B	OT502B	OT502B	OT502B	OT502B	OT502B	OT502C	OT502C	OT502C	OT502C	OT502C	OT502C	OT502C	OT502C
													Specimen Reference	14/04155/1	1561778	1561779	00156177 8TC0922	00156177 8TC0928	00156177 9TC0922	00156177 9TC0928	1564969	1564970	00156496 9TC0922	00156496 9TC0928	00156497 0TC0922	00156497 0TC0928	1564971	1564972	1564973	00156497 1TC0922	00156497 1TC0928	00156497 2TC0922	00156497 2TC0928	00156497 3TC0922	00156497 3TC0928	1564974	1564975	1564976	00156497 4TC0922	00156497 4TC0928	00156497 5TC0922	00156497 5TC0928	00156497 6TC0922
													Depth	0	0.2	1.8	0.2	0.2	1.8	1.8	0.5	0.8	0.5	0.5	0.8	0.8	0.5	0.9	1.3	0.5	0.5	0.9	0.9	1.3	1.3	0.5	0.9	1.4	0.5	0.5	0.9	0.9	1.4
													Phase	DOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI
CETH	Chloroethane	SOLID_DRY	ug/kg	-	-	-	-	-	5	8	29	-			5	8					5	5					5	5	5							5	6	7					
CFM	Chloroform	SOLID	ug/kg	25	-	-	99000	2600000	25	25	61	61		25																												
CFM	Chloroform	SOLID_DRY	ug/kg	-	-	-	99000	2600000	0.5	0.8	29	-			0.5	0.8					0.5	0.5					0.5	0.5	0.5							0.5	0.6	0.7					
CMN	Chloromethane	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
CMN	Chloromethane	SOLID_DRY	ug/kg	-	-	-	-	-	2	9	29	-			2	3					2	2					2	2	2							2	2	3					
CTET	Carbon Tetrachloride	SOLID	ug/kg	1	-	-	2900	190000	1	1	61	61		*1*																												
CTET	Carbon Tetrachloride	SOLID_DRY	ug/kg	-	-	-	2900	190000	0.2	0.3	29	-			0.2	0.3					0.2	0.2					0.2	0.2	0.2							0.2	0.2	0.3					
DBF	Dibenzofuran	SOLID_DRY	ug/kg	-	-	-	-	-	50	38100	28	-			50	50					50	50					50	50	50							50	50	50					
DCFM	Dichlorodifluoromethane	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
DCFM	Dichlorodifluoromethane	SOLID_DRY	ug/kg	-	-	-	-	-	10	10	16	-			10	10					10	10					10	10	10							10	10	10					
DCLFM		SOLID_DRY	ug/kg	-	-	-	-	-	10	20	13	-			10	20																										
DEP	Diethyl phthalate	SOLID_DRY	ug/kg	-	-	-	-	-	20	200	28	-			20	30					20	20					20	20	20							20	20	20					
DIBM	Dibromochloromethane	SOLID	ug/kg	3	-	-	-	-	3	3	61	61		3																												
DIBM	Dibromochloromethane	SOLID_DRY	ug/kg	-	-	-	-	-	3	5	29	-			3	5					3	3					3	3	3							3	4	4					
DIBROM	Dibromomethane	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
DIBROM	Dibromomethane	SOLID_DRY	ug/kg	-	-	-	-	-	0.6	0.9	29	-			0.6	0.9					0.6	0.6					0.6	0.6	0.6							0.6	0.7	0.9					
DICM	Dichloromethane VOC	SOLID	ug/kg	5	-	-	-	-	20	20	1	0		20																												
DICM	Dichloromethane VOC			20	-	-	-	-	20	20	60	60																														
DICM	Dichloromethane VOC	SOLID_DRY	ug/kg	-	-	-	-	-	60	100	29	-			60	100					60	60					60	60	60							60	70	90					
DIMP	Dimethyl phthalate	SOLID_DRY	ug/kg	-	-	-	-	-	30	500	28	-			30	50					30	30					30	30	30							30	30	30					
DIPA		SOLID_DRY	ug/kg	-	-	-	-	-	20	20	28	-			20	20					20	20					20	20	20							20	20	20					
DNBP	n-Dibutylphthalate	SOLID_DRY	ug/kg	-	-	-	-	-	90	90	28	-			90	90					90	90					90	90	90							90	90	90					
DNOP	n-Dioctylphthalate	SOLID_DRY	ug/kg	-	-	-	-	-	70	70	28	-			70	70					70	70					70	70	70							70	70	70					
ETBE		SOLID_DRY	ug/kg	-	-	-	-	-	10	20	29	-			10	20					10	10					10	10	10							10	10	10					
ETHYL	BTEX - Ethyl Benzene	SOLID_DRY	ug/kg	-	-	-	5700	17000	0.5	2	29	-			*1*	2					0.5	0.5					0.5	0.5	0.5							0.5	0.6	0.7					
ETHYL	BTEX - Ethyl Benzene	SOLID_VOC	ug/kg	1	-	-	5700	17000	1	4	61	58		*1*																												
FLN	Fluorene	SOLID_DRY	ug/kg	-	-	-	63000000	20000000	60	53100	28	-			60	60					60	60					60	60	60							60	60	60					
FLNN	Fluoranthene	SOLID_DRY	ug/kg	-	-	-	23000000	6300000	80	326000	28	-			80	80					80	80					80	80	80							80	80	80					
HCCP	Hexachlorocyclopentadiene	SOLID_DRY	ug/kg	-	-	-	-	-	30	30	28	-			30	30					30	30					30	30	30							30	30	30					
HCE	Hexachloroethane	SOLID_DRY	ug/kg	-	-	-	-	-	60	60	28	-			60	60					60	60					60	60	60							60	60	60					
HCHLB	Hexachlorobenzene	SOLID_DRY	ug/kg	-	-	-	110000	30000	20	20	28	-			20	20					20	20					20	20	20							20	20	20					
HEXBUT	Hexachlorobutadiene	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
HEXBUT	Hexachlorobutadiene	SOLID_DRY	ug/kg	-	-	-	-	-	2	20	57	-					20	2	20	3			20	2	20	2				20	2	20	2	20	2				20	2	20	2	20
INDP	Indeno(123-cd)pyrene	SOLID_DRY	ug/kg	-	-	-	500000	150000	50	45400	28	-			50	50					50	50					50	50	50							50	50	50					
IPB	Isopropylbenzene	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
IPB	Isopropylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-	0.7	20	29	-			0.7	*1*					0.7	0.7					0.7	0.7	0.7							0.7	0.9	*1*					
ISOP	Isophorone	SOLID_DRY	ug/kg	-	-	-	-	-	30	30	28	-			30	30					30	30					30	30	30							30	30	30					
MXYL	BTEX - m & p Xylene	SOLID_DRY	ug/kg	-	-	-	6200	17000	2	6	29	-			4	6					2	2					2	2	2							2	2	3					
MXYL	BTEX - m & p Xylene	SOLID_VOC	ug/kg	1	-	-	6200	17000	1	1	61	61		*1*																												
NAP1M		SOLID_DRY	ug/kg	-	-	-	-	-	40	12000	28	-			40	50					40	40					40	40	40							40	40	40					
NBUT	n-Butylbenzene	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
NBUT	n-Butylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-	2	3	29	-			2	3					2	2					2	2	2							2	2	3					
NITB	Nitrobenzene	SOLID_DRY	ug/kg	-	-	-	-	-	50	50	28	-			50	50					50	50					50	50	50							50	50	50					
NNNP	n-Nitroso-n-dipropylamine	SOLID_DRY	ug/kg	-	-	-	-	-	60	60	28	-			60	60					60	60					60	60	60							60	60	60					
NPB	n-Propylbenzene	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
NPB	n-Propylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-	0.6	50	29	-			0.6	0.9					0.6	0.6					0.6	0.6	0.6							0.6	0.7	0.9					
OXYL	BTEX - o Xylene	SOLID_DRY	ug/kg	-	-	-	6600	17000	1	2	29	-			*1*	2					*1*	*1*					*1*	*1*	*1*							*1*	*1*	*1*					
OXYL	BTEX - o Xylene	SOLID_VOC	ug/kg	1	-	-	6600	17000	1	4	61	60		*1*																												
PHE	Phenol SVOC	SOLID_DRY	ug/kg	-	-	-	-	-	30	500	28	-			100	200					30	30					80	30	30							30	30	40					
PNCP	Pentachlorophenol	SOLID_DRY	ug/kg	-	-	-	400000	110000	1000	100000	28	-			1000	2000					1000	1000					1000	1000	1000							1000	1000	1000					
SECB	sec-Butylbenzene	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
SECB	sec-Butylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-	0.6	130	29	-			0.6	0.9					0.6	0.6					0.6	0.6	0.6							0.6	0.7	0.9					
STY	Styrene	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
STY	Styrene	SOLID_DRY	ug/kg	-	-	-	-	-	0.5	0.8	29	-			0.5	0.8					0.5	0.5					0.5	0.5	0.5							0.5	0.6	0.7					
T12DE	trans 1,2-Dichloroethene	SOLID	ug/kg	1	-	-	-	-	1	1	43	43		*1*																												
T12DE	trans 1,2-Dichloroethene	SOLID_DRY	ug/kg	-	-	-	-	-	1	2	29	-			*1*	2					*1*	*1*					*1*	*1*	*1*							*1*	*1*	*1*					
T13DP	trans 1,3-Dichloropropene	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
T13DP	trans 1,3-Dichloropropene	SOLID_DRY	ug/kg	-	-	-	-	-	1	1	29	-			*1*	*1*					*1*	*1*					*1*	*1*	*1*							*1*	*1*	*1*					
TAME		SOLID_DRY	ug/kg	-	-	-	-	-	10	20	29	-			10	20					10	10					10	10	10							10	10	10					
TCFE	Trichlorofluoromethane	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
TCFE	Trichlorofluoromethane	SOLID_DRY	ug/kg	-	-	-	-	-	0.3	0.5	29	-			0.3	0.5					0.3	0.3					0.3	0.3	0.3							0.3	0.4	0.4					
TERTB	tert-Butylbenzene	SOLID	ug/kg	2	-	-	-	-	2	2	61	61		2																												
TERTB	tert-Butylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-	0.8	1	29	-			0.8	*1*					0.8	0.8					0.8	0.8	0.8							0.8	*1*	*1*					
TETC	Tetrachloroethene	SOLID	ug/kg	1	-	-	-	-	1	1	61	61		*1*																												
TETC	Tetrachloroethene	SOLID_DRY	ug/kg	-	-	-	19000	810000	1	2	29	-			*1*	2					*1*	*1*					*1*	*1*	*1*							*1*	*1*	*1*					
TOL	BTEX - Toluene	SOLID_DRY	ug/kg	-	-	-	56000	87000	3	5	29	-			3	5					3	3					3	3	3							3	4	4					
TOL	BTEX - Toluene	SOLID_VOC	ug/kg	1	-	-	56000	87000	1	4	61	52		*1*																												
TRCE	Trichloroethene	SOLID	ug/kg	1	-	-	1200	70000	1	2	61	58		2																												
TRCE	Trichloroethene	SOLID_DRY	ug/kg	-	-	-	1200	70000	0.2	4	29	-			0.8	4					0.4	0.2					0.2	0.2	0.2							0.2	0.2	0.3					
VCHL	Vinyl Chloride	SOLID	ug/kg	1	-	-	59	4800	1	1	61	61		*1*																												
VCHL	Vinyl Chloride	SOLID_DRY	ug/kg	-	-	-	59	4800	2	3	29	-			2	3					2	2					2	2	2							2	2	3					

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

											OT502C	OT503A (E	OT503A (E	OT503A (E	OT503A (E	OT503A (E	OT503A (E	OT503A (E	OT503A (V	OT503A (V	OT503A (V	OT503A (V	OT503A (V	OT503A (V	OT503B	OT503B	OT503B	OT503B	OT503B	OT503B	OT503B	OT503B	OT613	TP571	TP571	TP571	TP572	TP572	TP572	TP573	TP573	TP573	TP574	TP574	TP574
											00156497			00156497	00156497	00156497	00156497				00156497	00156497	00156498	00156498			00156498	00156498	00156498	00156498	00156498	00156498			00156176	00156176		00156176	00156176		00156176	00156176			00156177
											6TC0928	1564977	1564979	7TC0922	7TC0928	9TC0922	9TC0928	1564978	1564980	8TC0922	8TC0928	0TC0922	0TC0928	1564981	1564982	1564983	1TC0922	1TC0928	2TC0922	2TC0928	3TC0922	3TC0928	1608105	1561767	7TC0922	7TC0928	1561768	8TC0922	8TC0928	1561769	9TC0922	9TC0928	1561770	1561771	0TC0922
											1.4	0.3	1.8	0.3	0.3	1.8	1.8	0.9	3.3	0.9	0.9	3.3	3.3	0.6	1.9	3	0.6	0.6	1.9	1.9	3	3	1.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.5	0.2
											IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI
AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)																																						
1112TCE	1,1,1,2-Tetrachloroethane	SOLID	ug/kg	1	-	-	110000	1500000																																						
1112TCE	1,1,1,2-Tetrachloroethane	SOLID_DRY	ug/kg	-	-	-	110000	1500000		2	3							2	3					3	2	2								2	2			2			3			2	2	
111TCE	1,1,1-Trichloroethane	SOLID	ug/kg	1	-	-	660000	57000000																																						
111TCE	1,1,1-Trichloroethane	SOLID_DRY	ug/kg	-	-	-	660000	57000000		0.2	0.3							0.2	0.3					0.3	0.2	0.2								0.2	0.2			0.2			0.3			0.2	0.2	
1122TCE	1,1,2,2-Tetrachloroethane	SOLID	ug/kg	1	-	-	270000	1800000																																						
1122TCE	1,1,2,2-Tetrachloroethane	SOLID_DRY	ug/kg	-	-	-	270000	1800000		3	4							3	4					4	4	3								3	3			3			4			3	3	
112TCE	1,1,2-Trichloroethane	SOLID	ug/kg	1	-	-	-	-																																					
112TCE	1,1,2-Trichloroethane	SOLID_DRY	ug/kg	-	-	-	-	-		0.3	0.4							0.3	0.4					0.4	0.4	0.3								0.3	0.3			0.3			0.4			0.3	0.3	
11DCP	1,1-Dichloropropene	SOLID	ug/kg	1	-	-	-	-																																					
11DCP	1,1-Dichloropropene	SOLID_DRY	ug/kg	-	-	-	-	-		0.6	0.8							0.6	0.8					0.8	0.7	0.6								0.6	0.6			0.6			0.8			0.6	0.6	
11DEA	1,1-Dichloroethane	SOLID	ug/kg	1	-	-	-	-																																					
11DEA	1,1-Dichloroethane	SOLID_DRY	ug/kg	-	-	-	-	-		0.2	0.3							0.2	0.3					0.3	0.2	0.2								0.2	0.2			0.2			0.3			0.2	0.2	
11DEE	1,1-Dichloroethene	SOLID	ug/kg	1	-	-	-	-																																					
11DEE	1,1-Dichloroethene	SOLID_DRY	ug/kg	-	-	-	-	-		*1*	*1*							*1*	*1*					*1*	*1*	*1*								*1*	*1*			*1*			*1*			*1*	*1*	
123TCB	1,2,3-Trichlorobenzene	SOLID	ug/kg	3	-	-	102000	770000																																					
123TCB	1,2,3-Trichlorobenzene	SOLID_DRY	ug/kg	-	-	-	102000	770000		3	4							3	4					4	4	3								3	3			3			4			3	3	
123TCP	1,2,3-Trichloropropane	SOLID	ug/kg	1	-	-	-	-																																					
123TCP	1,2,3-Trichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-		*1*	*1*							*1*	*1*					*1*	*1*	*1*								*1*	*1*			*1*			*1*			*1*	*1*	
123TMB		SOLID_DRY	ug/kg	-	-	-	-	-		*1*	*1*							*1*	*1*					*1*	*1*	*1*								*1*	*1*			*1*			*1*			*1*	*1*	
124TCB	1,2,4-Trichlorobenzene	SOLID	ug/kg	3	-	-	220000	1700000																																					
124TCB	1,2,4-Trichlorobenzene	SOLID_DRY	ug/kg	-	-	-	220000	1700000	7			30	5	30	6			30	5	30	6						30	6	30	6	30	5	5		30	5		30	5		30	6				30
124TMB	1,2,4-Trimethylbenzene	SOLID	ug/kg	1	-	-	-	-																																					
124TMB	1,2,4-Trimethylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-		0.7	0.9							*1*	0.9					0.9	0.8	0.7								100	2			3			2			2	*1*	
12D3C	1,2-Dibromo-3-chloropropane	SOLID	ug/kg	2	-	-	-	-																																					
12D3C	1,2-Dibromo-3-chloropropane	SOLID_DRY	ug/kg	-	-	-	-	-		2	3							2	3					3	2	2								2	2			2			3			2	2	
12DB	1,2-Dichlorobenzene	SOLID	ug/kg	1	-	-	2000000	24000000																																					
12DB	1,2-Dichlorobenzene	SOLID_DRY	ug/kg	-	-	-	2000000	24000000	3			30	2	30	3			30	2	30	3						30	3	30	2	30	2	2		30	2		30	2		30	3				30
12DEA	1,2-Dichloroethane	SOLID	ug/kg	2	-	-	670	21000																																					
12DEA	1,2-Dichloroethane	SOLID_DRY	ug/kg	-	-	-	670	21000		0.3	0.4							0.3	0.4					0.4	0.4	0.3								0.3	0.3			0.3			0.4			0.3	0.3	
12DEE	cis 1,2-Dichloroethene	SOLID	ug/kg	1	-	-	-	-																																					
12DEE	cis 1,2-Dichloroethene	SOLID_DRY	ug/kg	-	-	-	-	-		*1*	*1*							3	*1*					2	2	2								*1*	*1*			*1*			*1*			*1*	*1*	
12DIB	1,2-Dibromoethane	SOLID	ug/kg	1	-	-	-	-																																					
12DIB	1,2-Dibromoethane	SOLID_DRY	ug/kg	-	-	-	-	-		3	4							3	4					4	4	3								3	3			3			4			3	3	
12DNB		SOLID_DRY	ug/kg	-	-	-	-	-		100	100							100	100					100	100	100									100			100			100			100	100	
12DP	1,2-Dichloropropane	SOLID	ug/kg	1	-	-	-	-																																					
12DP	1,2-Dichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-		0.5	0.6							0.5	0.6					0.6	0.6	0.5								0.5	0.5			0.5			0.6			0.5	0.5	
13STCB		SOLID_DRY	ug/kg	-	-	-	-	-		10	10							10	10					10	10	10								10	10			10			10			10	10	
13STMB	1,3,5-Trimethylbenzene	SOLID	ug/kg	1	-	-	-	-																																					
13STMB	1,3,5-Trimethylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-		0.5	0.6							0.8	0.6					0.6	0.6	0.5								0.5	0.9			0.9			*1*			0.9	0.7	
13DB	1,3-Dichlorobenzene	SOLID	ug/kg	1	-	-	30000	390000																																					
13DB	1,3-Dichlorobenzene	SOLID_DRY	ug/kg	-	-	-	30000	390000	*1*			30	*1*	30	*1*			30	*1*	30	*1*						30	*1*	30	*1*	30	*1*	*1*		30	*1*		30	*1*		30	*1*				30
13DCP		SOLID_DRY	ug/kg	-	-	-	-	-		2	2							2	2					2	2	2								2	2			2			2			2	2	
13DCPE	cis 1,3-Dichloropropene	SOLID	ug/kg	1	-	-	-	-																																					
13DCPE	cis 1,3-Dichloropropene	SOLID_DRY	ug/kg	-	-	-	-	-		*1*	*1*							*1*	*1*					*1*	*1*	*1*								*1*	*1*			*1*			*1*			*1*	*1*	
13DNB		SOLID_DRY	ug/kg	-	-	-	-	-		30	30							30	30					30	30	30									30			30			30			30	30	
13DP	1,3-Dichloropropane	SOLID	ug/kg	1	-	-	-	-																																					
13DP	1,3-Dichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-		2	3							2	3					3	2	2								2	2			2			3			2	2	
14DB	1,4-Dichlorobenzene	SOLID	ug/kg	1	-	-	4400000	36000000																																					
14DB	1,4-Dichlorobenzene	SOLID_DRY	ug/kg	-	-	-	4400000	36000000	0.7			30	0.5	30	0.6			50	0.5	30	0.6						30	0.6	30	0.6	30	0.5	0.5		30	0.5		30	0.5		30	0.6				30
14DNB		SOLID_DRY	ug/kg	-	-	-	-	-		40	40							40	40					40	40	40									40			40			40			40	40	
22DP	2,2-Dichloropropane	SOLID	ug/kg	1	-	-	-	-																																					
22DP	2,2-Dichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-		*1*	*1*							*1*	*1*					*1*	*1*	*1*								*1*	*1*			*1*			*1*			*1*	*1*	
2346TCP		SOLID_DRY	ug/kg	-	-	-	-	-		30	30							30	30					30	30	30									30			30			30			30	30	
2356TCP		SOLID_DRY	ug/kg	-	-	-	-	-		30	30							30	30					30	30	30									30			30			30			30	30	
245TCP	2,4,5-Trichlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-		20	20							20	20					20	20	20									20			20			20			20	20	
246TCP	2,4,6-Trichlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-		30	30							30	30					30	30	30									30			30			30			30	30	
24DCP	2,4-Dichlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-		30	30							30	30					30	30	30									30			30			30			30	30	
24DMP	2,4-Dimethylphenol	SOLID_DRY	ug/kg	-	-	-	-	-		30	30							200	30					30	30	30									30			30			30			30	30	
24DNT	2,4-Dinitrotoluene	SOLID_DRY	ug/kg	-	-	-	-	-		40	40							40	40					40	40	40									40			40			40			40	40	
26DNT	2,6-Dinitrotoluene	SOLID_DRY	ug/kg	-	-	-	-	-		40	40							40	40					40	40	40									40			40			40			40	40	
2CNAP	2-Chloronaphthalene	SOLID_DRY	ug/kg	-	-	-	-	-		40	40							40	40					40	40	40									40			40			40			40	40	
2CP	2-Chlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-		30	30							30	30					30	30	30									30			30			30			30	30	
2CT	2-Chlorotoluene	SOLID	ug/kg	1	-	-	-	-																																					
2CT	2-Chlorotoluene	SOLID_DRY	ug/kg	-	-	-	-	-		0.7	0.9							0.7	0.9					0.9	0.8	0.7								0.7	0.7			0.7			0.9			0.7	0.7	
2MNAP	2-Methylnaphthalene	SOLID_DRY	ug/kg	-	-	-	-	-		50	50							13900	50					50	50	300									60			100			300			90	70	
2MP	2-Methylphenol	SOLID_DRY	ug/kg	-	-	-	-	-		30	30							30	30					30	30	30									30			40			100			30	90	
2NA		SOLID_DRY	ug/kg	-	-	-	-	-		20	20							20	20					20	20	20									20			20			20			20	20	
2NP	2-Nitrophenol	SOLID_DRY	ug/kg	-	-	-	-	-		30	30							30	30					30	30	30									30			30			30			30	30	
34MP		SOLID_DRY	ug/kg	-	-	-	-	-		90	90							90	90					90	90	90									90			90			100			90	90	
3CT		SOLID_DRY	ug/kg	-	-	-	-	-		*1*	*1*							*1*	*1*					*1*	*1*	*1*								*1*	*1*			*1*			*1*			*1*	*1*	
3NA4NA		SOLID_DRY	ug/kg	-	-	-	-	-		90	90							90	90					90	90	90									90			90			90			90	90	
4BPPE		SOLID_DRY	ug/kg	-	-	-	-	-		30	30							30	30					30	30	30									30			30			30			30	30	
4C3MP	4-Chloro-3-methylphenol	SOLID_DRY	ug/kg	-	-	-	-	-		30	30							30	30					30	30	30									30			30			30			30	30	
4CA		SOLID_DRY	ug/kg	-	-	-	-	-		40	40							19100	40					40	40	200									40			50			90			40	40	
4CPPE		SOLID_DRY	ug/kg	-	-	-	-	-		30	30							30	30					30	30	30									30			30			30			30	30	
4CT	4-Chlorotoluene	SOLID	ug/kg	1	-	-	-	-																																					
4CT	4-Chlorotoluene	SOLID_DRY	ug/kg	-	-	-	-	-		*1*	*1*							*1*	*1*					*1*	*1*	*1*								*1*	*1*			*1*			*1*			*1*	*1*	
4IPT	4-Isopropyltoluene	SOLID	ug/kg	1	-	-	-	-																																					
4IPT	4-Isopropyltoluene	SOLID_DRY	ug/kg	-	-	-	-	-		0.8	*1*							0.8	*1*					*1*	*1*	0.8								0.8	0.8			0.8			*1*			0.8	0.8	
AZB		SOLID_DRY	ug/kg	-	-	-	-	-		30	30							30	30					30	30	30									30			30			30			30	30	
B2CEM	Bis(2-chloroethoxy)methane	SOLID_DRY	ug/kg	-	-	-	-	-		40	40							40	40					40	40	40									40			40			40			40	40	
B2CEYE		SOLID_DRY	ug/kg	-	-	-	-	-		30	30							30	30					30	30	30									30			30			30			30	30	
B2CIPE	Bis(2-chloroisopropyl)ether	SOLID_DRY	ug/kg	-	-	-	-	-		60	60							60	60					60	60	60									60			60			60			60	60	
B2EHAP		SOLID_DRY	ug/kg	-	-	-	-	-		70	70							70	70					70	70	70									70			70			70			70	70	
B2EHP	Bis(2-ethylhexyl)phthalate	SOLID_DRY	ug/kg	-	-	-	-	-		800	400							1000	70					70	100	100									70			70			70			70	70	
BBP	Butylbenzyl phthalate SVOC	SOLID_DRY	ug/kg	-	-	-	-	-		50	50							50	50					50	50	50									50			50			50			50	50	
BENZ	BTEX - Benzene	SOLID_DRY	ug/kg	-	-	-	27	90		*1*	*1*							2	*1*					*1*	*1*	*1*								*1*	*1*			*1*			*1*			*1*	*1*	
BENZ	BTEX - Benzene	SOLID_VOC	ug/kg	1	-	-	27	90																																					
BENZALC		SOLID_DRY	ug/kg	-	-	-	-	-		40	40							40	40					40	40	40									40			40			40			40	40	
BROMBE	Bromobenzene	SOLID	ug/kg	1	-	-	-	-																																					
BROMBE	Bromobenzene	SOLID_DRY	ug/kg	-	-	-	-	-		2	3							2	3					3	2	2								2	2			2			3			2	2	
BROMCM	Bromochloromethane	SOLID	ug/kg	5	-	-	-	-																																					
BROMCM	Bromochloromethane	SOLID_DRY	ug/kg	-	-	-	-	-		0.5	0.6							0.5	0.6					0.6	0.6	0.5								0.5	0.5			0.5			0.6			5	0.5	
BROMF	Bromoform	SOLID	ug/kg	1	-	-	-	-																																					
BROMF	Bromoform	SOLID_DRY	ug/kg	-	-	-	-	-		2	3							2	3					3	2	2								2	2			2			3			2	2	
BROMM	Bromomethane	SOLID	ug/kg	1	-	-	-	-																																					
BROMM	Bromomethane	SOLID_DRY	ug/kg	-	-	-	-	-		10	10							10	10					10	10	10								10	10			10			10			10	10	
BROMO	Bromodichloromethane	SOLID	ug/kg	10	-	-	-	-																																					
BROMO	Bromodichloromethane	SOLID_DRY	ug/kg	-	-	-	-	-		0.5	0.6							0.5	0.6					0.6	0.6	0.5								0.5	0.5			0.5			0.6			0.5	0.5	
C	trans 1,2-Dichloroethene	SOLID	ug/kg	1	-	-	-	-																																					
CBENZ	Chlorobenzene	SOLID	ug/kg	1	-	-	56000	1300000																																					
CBENZ	Chlorobenzene	SOLID_DRY	ug/kg	-	-	-	56000	1300000		*1*	*1*							*1*	*1*					*1*	*1*	*1*								*1*	*1*			*1*			*1*			*1*	*1*	
CBZ	Carbazole	SOLID_DRY	ug/kg	-	-	-	-	-		40	40							27400	40					40	40	40									40			40			40			40	40	
CDS	Carbon Disulphide	SOLID	ug/kg	1	-	-	11000	1300000																																					
CDS	Carbon Disulphide	SOLID_DRY	ug/kg	-	-	-	11000	1300000		10	10							10	10					10	10	10								10	10			10			10			10	10	
CETH	Chloroethane	SOLID	ug/kg	1	-	-	-	-																																					

| | | |

									TP574	TP574	TP574	TP575	TP575	TP575	TP576	TP576	TP576	TP577	TP577	TP577	TP578	TP578	TP578	TP579	TP579	TP579	TP580	TP580	TP580	TP700/1	TP700/1	TP700/1	TP700/10	TP700/12	TP700/12	TP700/14	TP700/2	TP700/22	TP700/23	TP700/23A	TP700/24	TP700/24	TP700/3
									00156177 0TC0928	00156177 1TC0922	00156177 1TC0928	1561772	00156177 2TC0922	00156177 2TC0928	1561773	00156177 3TC0922	00156177 3TC0928	1561774	00156177 4TC0922	00156177 4TC0928	1561775	00156177 5TC0922	00156177 5TC0928	1561776	00156177 6TC0922	00156177 6TC0928	1561777	00156177 7TC0922	00156177 7TC0928	14/02933 /5	14/02933 /6	14/02933 /8	14/02933 /22	14/02933 /26	14/02933 /27	14/02933 /29	14/02933 /10	14/02948 /6	14/03132 /9	14/03132 /7	14/03132 /8	14/03132 /3	14/02933 /12
									0.2	0.5	0.5	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.8	0.8	0.8	1.1	1.1	1.1	0.3	0.95	2	0.4	1	1.3	0.75	1.3	0.4	0.3	0.5	1	0.1	0.95
									IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)																																		
1112TCE	1,1,1,2-Tetrachloroethane	SOLID	ug/kg	1	-	-	110000	1500000																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
1112TCE	1,1,1,2-Tetrachloroethane	SOLID_DRY	ug/kg	-	-	-	110000	1500000				2			3			2			2			2			2																
111TCE	1,1,1-Trichloroethane	SOLID	ug/kg	1	-	-	660000	57000000																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
111TCE	1,1,1-Trichloroethane	SOLID_DRY	ug/kg	-	-	-	660000	57000000				0.2			0.3			0.2			0.2			0.2			0.2																
1122TCE	1,1,2,2-Tetrachloroethane	SOLID	ug/kg	1	-	-	270000	1800000																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
1122TCE	1,1,2,2-Tetrachloroethane	SOLID_DRY	ug/kg	-	-	-	270000	1800000				3			4			3			3			3			3																
112TCE	1,1,2-Trichloroethane	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
112TCE	1,1,2-Trichloroethane	SOLID_DRY	ug/kg	-	-	-	-	-				0.3			0.4			0.3			0.3			0.3			0.3																
11DCP	1,1-Dichloropropene	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
11DCP	1,1-Dichloropropene	SOLID_DRY	ug/kg	-	-	-	-	-				0.6			0.8			0.6			0.6			0.6			0.6																
11DEA	1,1-Dichloroethane	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
11DEA	1,1-Dichloroethane	SOLID_DRY	ug/kg	-	-	-	-	-				0.2			0.3			0.2			0.2			0.2			0.2																
11DEE	1,1-Dichloroethene	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
11DEE	1,1-Dichloroethene	SOLID_DRY	ug/kg	-	-	-	-	-				*1*			*1*			*1*			*1*			*1*			*1*																
123TCB	1,2,3-Trichlorobenzene	SOLID	ug/kg	3	-	-	102000	770000																						3	3	3	3	3	3	3	3	3	3	3	3	3	3
123TCB	1,2,3-Trichlorobenzene	SOLID_DRY	ug/kg	-	-	-	102000	770000				3			4			3			3			3			3																
123TCP	1,2,3-Trichloropropane	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
123TCP	1,2,3-Trichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-				*1*			*1*			*1*			*1*			*1*			*1*																
123TMB		SOLID_DRY	ug/kg	-	-	-	-	-				*1*			*1*			*1*			*1*			*1*			*1*																
124TCB	1,2,4-Trichlorobenzene	SOLID	ug/kg	3	-	-	220000	1700000																						3	3	3	3	3	3	3	3	3	3	3	3	3	3
124TCB	1,2,4-Trichlorobenzene	SOLID_DRY	ug/kg	-	-	-	220000	1700000	5	30	5		30	5		30	7		30	5		30	5		30	5		30	5														
124TMB	1,2,4-Trimethylbenzene	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
124TMB	1,2,4-Trimethylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-				3			*1*			0.8			2			0.7			0.7																
12D3C	1,2-Dibromo-3-chloropropane	SOLID	ug/kg	2	-	-	-	-																						2	2	2	2	2	2	2	2	2	2	2	2	2	2
12D3C	1,2-Dibromo-3-chloropropane	SOLID_DRY	ug/kg	-	-	-	-	-				2			3			2			2			2			2																
12DB	1,2-Dichlorobenzene	SOLID	ug/kg	1	-	-	2000000	24000000																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
12DB	1,2-Dichlorobenzene	SOLID_DRY	ug/kg	-	-	-	2000000	24000000	2	30	2		30	2		30	3		30	2		30	2		30	2		30	2														
12DEA	1,2-Dichloroethane	SOLID	ug/kg	2	-	-	670	21000																						2	2	2	2	2	2	2	2	2	2	2	2	2	2
12DEA	1,2-Dichloroethane	SOLID_DRY	ug/kg	-	-	-	670	21000				0.3			0.4			0.3			0.3			0.3			0.3																
12DEE	cis 1,2-Dichloroethene	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
12DEE	cis 1,2-Dichloroethene	SOLID_DRY	ug/kg	-	-	-	-	-				*1*			*1*			*1*			*1*			*1*			*1*																
12DIB	1,2-Dibromoethane	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
12DIB	1,2-Dibromoethane	SOLID_DRY	ug/kg	-	-	-	-	-				3			4			3			3			3			3																
12DNB		SOLID_DRY	ug/kg	-	-	-	-	-				100			100			100			100			100			100																
12DP	1,2-Dichloropropane	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
12DP	1,2-Dichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-				0.5			0.7			0.5			0.5			0.5			0.5																
13TCB		SOLID_DRY	ug/kg	-	-	-	-	-				10			10			10			10			10			10																
13TMB	1,3,5-Trimethylbenzene	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
13TMB	1,3,5-Trimethylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-				0.5			0.7			0.5			0.5			0.5			0.5																
13DB	1,3-Dichlorobenzene	SOLID	ug/kg	1	-	-	30000	390000																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
13DB	1,3-Dichlorobenzene	SOLID_DRY	ug/kg	-	-	-	30000	390000	*1*	30	*1*		30	*1*		30	*1*		30	*1*		30	*1*		30	*1*		30	*1*														
13DCP		SOLID_DRY	ug/kg	-	-	-	-	-				2			2			2			2			2			2																
13DCPE	cis 1,3-Dichloropropene	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
13DCPE	cis 1,3-Dichloropropene	SOLID_DRY	ug/kg	-	-	-	-	-				*1*			*1*			*1*			*1*			*1*			*1*																
13DNB		SOLID_DRY	ug/kg	-	-	-	-	-				30			30			30			30			30			30																
13DP	1,3-Dichloropropane	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
13DP	1,3-Dichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-				2			3			2			2			2			2																
14DB	1,4-Dichlorobenzene	SOLID	ug/kg	1	-	-	4400000	36000000																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
14DB	1,4-Dichlorobenzene	SOLID_DRY	ug/kg	-	-	-	4400000	36000000	0.5	30	0.5		30	0.5		30	0.7		30	0.5		30	0.5		30	0.5		30	0.5														
14DNB		SOLID_DRY	ug/kg	-	-	-	-	-				40			40			40			40			40			40																
22DP	2,2-Dichloropropane	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
22DP	2,2-Dichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-				*1*			*1*			*1*			*1*			*1*			*1*																
2346TCP		SOLID_DRY	ug/kg	-	-	-	-	-				30			30			30			30			30			30																
2356TCP		SOLID_DRY	ug/kg	-	-	-	-	-				30			30			30			30			30			30																
245TCP	2,4,5-Trichlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-				20			20			20			20			20			20																
246TCP	2,4,6-Trichlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-				30			30			30			30			30			30																
24DCP	2,4-Dichlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-				30			30			30			30			30			30																
24DMP	2,4-Dimethylphenol	SOLID_DRY	ug/kg	-	-	-	-	-				30			30			30			30			30			30																
24DNT	2,4-Dinitrotoluene	SOLID_DRY	ug/kg	-	-	-	-	-				40			40			40			40			40			40																
26DNT	2,6-Dinitrotoluene	SOLID_DRY	ug/kg	-	-	-	-	-				40			40			40			40			40			40																
2CNAP	2-Chloronaphthalene	SOLID_DRY	ug/kg	-	-	-	-	-				40			40			40			40			40			40																
2CP	2-Chlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-				30			30			30			30			30			30																
2CT	2-Chlorotoluene	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
2CT	2-Chlorotoluene	SOLID_DRY	ug/kg	-	-	-	-	-				0.7			0.9			0.7			0.7			0.7			0.7																
2MNAP	2-Methylnaphthalene	SOLID_DRY	ug/kg	-	-	-	-	-				200			50			50			200			70			50																
2MP	2-Methylphenol	SOLID_DRY	ug/kg	-	-	-	-	-				300			40			30			100			50			30																
2NA		SOLID_DRY	ug/kg	-	-	-	-	-				20			20			20			20			20			20																
2NP	2-Nitrophenol	SOLID_DRY	ug/kg	-	-	-	-	-				30			30			30			30			30			30																
34MP		SOLID_DRY	ug/kg	-	-	-	-	-				100			90			90			90			90			90																
3CT		SOLID_DRY	ug/kg	-	-	-	-	-				*1*			*1*			*1*			*1*			*1*			*1*																
3NA4NA		SOLID_DRY	ug/kg	-	-	-	-	-				90			90			90			90			90			90																
4BPPE		SOLID_DRY	ug/kg	-	-	-	-	-				30			30			30			30			30			30																
4C3MP	4-Chloro-3-methylphenol	SOLID_DRY	ug/kg	-	-	-	-	-				30			30			30			30			30			30																
4CA		SOLID_DRY	ug/kg	-	-	-	-	-				80			40			40			60			40			40																
4CPPE		SOLID_DRY	ug/kg	-	-	-	-	-				30			30			30			30			30			30																
4CT	4-Chlorotoluene	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
4CT	4-Chlorotoluene	SOLID_DRY	ug/kg	-	-	-	-	-				*1*			*1*			*1*			*1*			*1*			*1*																
4IPT	4-Isopropyltoluene	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
4IPT	4-Isopropyltoluene	SOLID_DRY	ug/kg	-	-	-	-	-				0.8			*1*			0.8			0.8			0.8			0.8																
AZB		SOLID_DRY	ug/kg	-	-	-	-	-				30			30			30			30			30			30																
B2CEM	Bis(2-chloroethoxy)methane	SOLID_DRY	ug/kg	-	-	-	-	-				40			40			40			40			40			40																
B2CEYE		SOLID_DRY	ug/kg	-	-	-	-	-				30			30			30			30			30			30																
B2CIPE	Bis(2-chloroisopropyl)ether	SOLID_DRY	ug/kg	-	-	-	-	-				60			60			60			60			60			60																
B2EHAP		SOLID_DRY	ug/kg	-	-	-	-	-				70			70			70			70			90			70																
B2EHP	Bis(2-ethylhexyl)phthalate	SOLID_DRY	ug/kg	-	-	-	-	-				70			70			70			70			100			70																
BBP	Butylbenzyl phthalate SVOC	SOLID_DRY	ug/kg	-	-	-	-	-				50			50			50			50			50			50																
BENZ	BTEX - Benzene	SOLID_DRY	ug/kg	-	-	-	27	90				*1*			*1*			*1*			*1*			*1*			*1*																
BENZ	BTEX - Benzene	SOLID_VOC	ug/kg	1	-	-	27	90																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BENZALC		SOLID_DRY	ug/kg	-	-	-	-	-				40			40			40			40			40			40																
BROMBE	Bromobenzene	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BROMBE	Bromobenzene	SOLID_DRY	ug/kg	-	-	-	-	-				2			3			2			2			2			2																
BROMCM	Bromochloromethane	SOLID	ug/kg	5	-	-	-	-																						5	5	5	5	5	5	5	5	5	5	5	5	5	5
BROMCM	Bromochloromethane	SOLID_DRY	ug/kg	-	-	-	-	-				0.5			0.7			0.5			0.5			0.5			0.5																
BROMF	Bromoform	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BROMF	Bromoform	SOLID_DRY	ug/kg	-	-	-	-	-				2			3			2			2			2			2																
BROMM	Bromomethane	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BROMM	Bromomethane	SOLID_DRY	ug/kg	-	-	-	-	-				10			10			10			10			10			10																
BROMO	Bromodichloromethane	SOLID	ug/kg	10	-	-	-	-																						10	10	10	10	10	10	10	10	10	10	10	10	10	10
BROMO	Bromodichloromethane	SOLID_DRY	ug/kg	-	-	-	-	-				0.5			0.7			0.5			0.5			0.5			0.5																
C	trans 1,2-Dichloroethene	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CBENZ	Chlorobenzene	SOLID	ug/kg	1	-	-	56000	1300000																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CBENZ	Chlorobenzene	SOLID_DRY	ug/kg	-	-	-	56000	1300000				*1*			*1*			*1*			*1*			*1*			*1*																
CBZ	Carbazole	SOLID_DRY	ug/kg	-	-	-	-	-				40			40			40			40			40			40																
CDS	Carbon Disulphide	SOLID	ug/kg	1	-	-	11000	1300000																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CDS	Carbon Disulphide	SOLID_DRY	ug/kg	-	-	-	11000	1300000				10			10			10			10			10			10																
CETH	Chloroethane	SOLID	ug/kg	1	-	-	-	-																						*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	TP574 00156177 0TC0928 0.2 IOnGI	TP574 00156177 1TC0922 0.5 IOnGI	TP574 00156177 1TC0928 0.5 IOnGI	TP575 1561772 0.3 IOnGI	TP575 00156177 2TC0922 0.3 IOnGI	TP575 00156177 2TC0928 0.3 IOnGI	TP576 1561773 0.4 IOnGI	TP576 00156177 3TC0922 0.4 IOnGI	TP576 00156177 3TC0928 0.4 IOnGI	TP577 1561774 0.3 IOnGI	TP577 00156177 4TC0922 0.3 IOnGI	TP577 00156177 4TC0928 0.3 IOnGI	TP578 1561775 0.4 IOnGI	TP578 00156177 5TC0922 0.4 IOnGI	TP578 00156177 5TC0928 0.4 IOnGI	TP579 1561776 0.8 IOnGI	TP579 00156177 6TC0922 0.8 IOnGI	TP579 00156177 6TC0928 0.8 IOnGI	TP580 1561777 1.1 IOnGI	TP580 00156177 7TC0922 1.1 IOnGI	TP580 00156177 7TC0928 1.1 IOnGI	TP700/1 14/02933 /5 0.3 DOnGI	TP700/1 14/02933 /6 0.95 DOnGI	TP700/1 14/02933 /8 2 DOnGI	TP700/10 14/02933 /22 0.4 DOnGI	TP700/12 14/02933 /26 1 DOnGI	TP700/12 14/02933 /27 1.3 DOnGI	TP700/14 14/02933 /29 0.75 DOnGI	TP700/2 14/02933 /10 1.3 DOnGI	TP700/22 14/02948 /6 0.4 DOnGI	TP700/23 14/03132 /9 0.3 DOnGI	TP700/23A 14/03132 /7 0.5 DOnGI	TP700/234 14/03132 /8 1 DOnGI	TP700/24 14/03132 /3 0.1 DOnGI	TP700/3 14/02933 /12 0.95 DOnGI
CETH	Chloroethane	SOLID_DRY	ug/kg	-	-	-	-	-				5			7			5			5			5			5																
CFM	Chloroform	SOLID	ug/kg	25	-	-	99000	2600000																							25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
CFM	Chloroform	SOLID_DRY	ug/kg	-	-	-	99000	2600000				0.5			0.7			0.5			0.5			0.5			0.5																
CMN	Chloromethane	SOLID	ug/kg	1	-	-	-	-																							*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CMN	Chloromethane	SOLID_DRY	ug/kg	-	-	-	-	-				9			3			2			2			2			2																
CTET	Carbon Tetrachloride	SOLID	ug/kg	1	-	-	2900	190000																							*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CTET	Carbon Tetrachloride	SOLID_DRY	ug/kg	-	-	-	2900	190000				0.2			0.3			0.2			0.2			0.2			0.2																
DBF	Dibenzofuran	SOLID_DRY	ug/kg	-	-	-	-	-				50			50			50			50			50			50																
DCFM	Dichlorodifluoromethane	SOLID	ug/kg	1	-	-	-	-																							*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
DCFM	Dichlorodifluoromethane	SOLID_DRY	ug/kg	-	-	-	-	-																																					
DCLFM		SOLID_DRY	ug/kg	-	-	-	-	-				10			10			10			10			10			10																
DEP	Diethyl phthalate	SOLID_DRY	ug/kg	-	-	-	-	-				20			20			20			20			20			20																
DIBM	Dibromochloromethane	SOLID	ug/kg	3	-	-	-	-																							3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
DIBM	Dibromochloromethane	SOLID_DRY	ug/kg	-	-	-	-	-				3			4			3			3			3			3																
DIBROM	Dibromomethane	SOLID	ug/kg	1	-	-	-	-																							*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
DIBROM	Dibromomethane	SOLID_DRY	ug/kg	-	-	-	-	-				0.6			0.8			0.6			0.6			0.6			0.6																
DICM	Dichloromethane VOC	SOLID	ug/kg	5	-	-	-	-																																					
DICM	Dichloromethane VOC			20	-	-	-	-																							20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DICM	Dichloromethane VOC	SOLID_DRY	ug/kg	-	-	-	-	-				60			80			60			60			60			60																
DIMP	Dimethyl phthalate	SOLID_DRY	ug/kg	-	-	-	-	-				30			30			30			30			30			30																
DIPA		SOLID_DRY	ug/kg	-	-	-	-	-				20			20			20			20			20			20																
DNBP	n-Dibutylphthalate	SOLID_DRY	ug/kg	-	-	-	-	-				90			90			90			90			90			90																
DNOP	n-Dioctylphthalate	SOLID_DRY	ug/kg	-	-	-	-	-				70			70			70			70			70			70																
ETBE		SOLID_DRY	ug/kg	-	-	-	-	-				10			10			10			10			10			10																
ETHYL	BTEX - Ethyl Benzene	SOLID_DRY	ug/kg	-	-	-	5700	17000				2			0.7			0.6			*1*			0.7			0.5																
ETHYL	BTEX - Ethyl Benzene	SOLID_VOC	ug/kg	1	-	-	5700	17000																							*1*	*1*	4	*1*	*1*	*1*	*1*	3	*1*	*1*	*1*	*1*	*1*	*1*	*1*
FLN	Fluorene	SOLID_DRY	ug/kg	-	-	-	63000000	20000000				60			60			60			60			60			60																
FLNN	Fluoranthene	SOLID_DRY	ug/kg	-	-	-	23000000	6300000				80			80			80			80			80			80																
HCCP	Hexachlorocyclopentadiene	SOLID_DRY	ug/kg	-	-	-	-	-				30			30			30			30			30			30																
HCE	Hexachloroethane	SOLID_DRY	ug/kg	-	-	-	-	-				60			60			60			60			60			60																
HCHLB	Hexachlorobenzene	SOLID_DRY	ug/kg	-	-	-	110000	30000				20			20			20			20			20			20																
HEXBUT	Hexachlorobutadiene	SOLID	ug/kg	1	-	-	-	-																							*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
HEXBUT	Hexachlorobutadiene	SOLID_DRY	ug/kg	-	-	-	-	-	2	20	2		20	2		20	3		20	2		20	2		20	2		20	2															
INDP	Indeno(123-cd)pyrene	SOLID_DRY	ug/kg	-	-	-	500000	150000				50			50			50			50			50			50																
IPB	Isopropylbenzene	SOLID	ug/kg	1	-	-	-	-																							*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
IPB	Isopropylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-				0.7			0.9			0.7			0.7			0.7			0.7																
ISOP	Isophorone	SOLID_DRY	ug/kg	-	-	-	-	-				30			30			30			30			30			30																
MXYL	BTEX - m & p Xylene	SOLID_DRY	ug/kg	-	-	-	6200	17000				5			3			2			4			2			2																
MXYL	BTEX - m & p Xylene	SOLID_VOC	ug/kg	1	-	-	6200	17000																							*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
NAP1M		SOLID_DRY	ug/kg	-	-	-	-	-				100			40			40			90			40			40																
NBUT	n-Butylbenzene	SOLID	ug/kg	1	-	-	-	-																							*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
NBUT	n-Butylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-				2			3			2			2			2			2																
NITB	Nitrobenzene	SOLID_DRY	ug/kg	-	-	-	-	-				50			50			50			50			50			50																
NNNP	n-Nitroso-n-dipropylamine	SOLID_DRY	ug/kg	-	-	-	-	-				60			60			60			60			60			60																
NPB	n-Propylbenzene	SOLID	ug/kg	1	-	-	-	-																							*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
NPB	n-Propylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-				0.6			0.8			0.6			0.6			0.6			0.6																
OXYL	BTEX - o Xylene	SOLID_DRY	ug/kg	-	-	-	6600	17000				*1*			*1*			*1*			*1*			*1*			*1*																
OXYL	BTEX - o Xylene	SOLID_VOC	ug/kg	1	-	-	6600	17000																							*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
PHE	Phenol SVOC	SOLID_DRY	ug/kg	-	-	-	-	-				400			80			50			300			200			100																
PNCP	Pentachlorophenol	SOLID_DRY	ug/kg	-	-	-	400000	110000				1000			2000			1000			1000			100000			1000																
SECB	sec-Butylbenzene	SOLID	ug/kg	1	-	-	-	-																							*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
SECB	sec-Butylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-				0.6			0.8			0.6			0.6			0.6			0.6																
STY	Styrene	SOLID	ug/kg	1	-	-	-	-																							*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
STY	Styrene	SOLID_DRY	ug/kg	-	-	-	-	-				0.5			0.7			0.5			0.5			0.5			0.5																
T12DE	trans 1,2-Dichloroethene	SOLID	ug/kg	1	-	-	-	-																																					
T12DE	trans 1,2-Dichloroethene	SOLID_DRY	ug/kg	-	-	-	-	-				*1*			*1*			*1*			*1*			*1*			*1*																
T13DP	trans 1,3-Dichloropropene	SOLID	ug/kg	1	-	-	-	-																							*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
T13DP	trans 1,3-Dichloropropene	SOLID_DRY	ug/kg	-	-	-	-	-				*1*			*1*			*1*			*1*			*1*			*1*																
TAME		SOLID_DRY	ug/kg	-	-	-	-	-				10			10			10			10			10			10																
TCFE	Trichlorofluoromethane	SOLID	ug/kg	1	-	-	-	-																							*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TCFE	Trichlorofluoromethane	SOLID_DRY	ug/kg	-	-	-	-	-				0.3			0.4			0.3			0.3			0.3			0.3																
TERTB	tert-Butylbenzene	SOLID	ug/kg	2	-	-	-	-																							2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
TERTB	tert-Butylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-				0.8			*1*			0.8			0.8			0.8			0.8																
TETC	Tetrachloroethene	SOLID	ug/kg	1	-	-	19000	810000																							*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TETC	Tetrachloroethene	SOLID_DRY	ug/kg	-	-	-	19000	810000				*1*			*1*			*1*			*1*			*1*			*1*																
TOL	BTEX - Toluene	SOLID_DRY	ug/kg	-	-	-	56000	87000				3			4			3			3			3			3																
TOL	BTEX - Toluene	SOLID_VOC	ug/kg	1	-	-	56000	87000																							3	4	*1*	*1*	3	4	3	3	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TRCE	Trichloroethene	SOLID	ug/kg	1	-	-	1200	70000																							*1*	2	2	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TRCE	Trichloroethene	SOLID_DRY	ug/kg	-	-	-	1200	70000				*1*			0.6			0.3			*1*			0.7			0.2																
VCHL	Vinyl Chloride	SOLID	ug/kg	1	-	-	59	4800																							*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
VCHL	Vinyl Chloride	SOLID_DRY	ug/kg	-	-	-	59	4800				2			3			2			2			2			2																

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	TP700/49 14/02894 /1 0.5 DOnGI	TP700/5 14/02933 /18 0.8 DOnGI	TP700/7 14/02933 /14 0.4 DOnGI	TP700/9 14/02933 /20 0.8 DOnGI	TP800/01 14/05824 /1 0.5 DOnGI	TP800/01 14/05824 /2 1.5 DOnGI	TP800/02 14/05824 /3 0.5 DOnGI	TP800/02 14/05824 /4 1 DOnGI	TP800/04 14/05708 /7 0.5 DOnGI	TP800/04 14/05708 /8 1 DOnGI	TP800/05 14/05666 /1 0.5 DOnGI	TP800/05 14/05666 /2 1 DOnGI	TP800/16 14/05790 /1 0.5 DOnGI	TP800/16 14/05790 /2 1 DOnGI	TP800/16 14/05790 /3 2 DOnGI	TP800/16 14/05790 /4 3 DOnGI	TP800/17 14/05790 /5 0.5 DOnGI	TP800/17 14/05790 /6 1 DOnGI	TP800/17 14/05790 /8 3 DOnGI	TP800/18 14/05708 /1 0.5 DOnGI	TP800/18 14/05708 /2 1 DOnGI	TP800/18 14/05708 /3 2 DOnGI	TP800/19 14/05764 /1 0.5 DOnGI	TP800/19 14/05764 /2 1 DOnGI	TP800/20 14/05666 /3 0.5 DOnGI	TP800/20 14/05666 /4 1 DOnGI	TP800/21 14/05708 /4 0.5 DOnGI	TP800/21 14/05708 /5 1 DOnGI	TP800/22 14/05632 /16 0.5 DOnGI	TP800/22 14/05632 /18 1.6 DOnGI	TP800/22 14/05632 /20 3 DOnGI	TP800/23 14/05632 /21 0.5 DOnGI	TP800/23 14/05632 /22 1 DOnGI	TP800/23 14/05632 /24 2 DOnGI	TP800/24A 14/05632 /28 0.5 DOnGI
1112TCE	1,1,1,2-Tetrachloroethane	SOLID	ug/kg	1	-	-	110000	1500000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
1112TCE	1,1,1,2-Tetrachloroethane	SOLID_DRY	ug/kg	-	-	-	110000	1500000																																						
111TCE	1,1,1-Trichloroethane	SOLID	ug/kg	1	-	-	660000	57000000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
111TCE	1,1,1-Trichloroethane	SOLID_DRY	ug/kg	-	-	-	660000	57000000																																						
1122TCE	1,1,2,2-Tetrachloroethane	SOLID	ug/kg	1	-	-	270000	1800000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
1122TCE	1,1,2,2-Tetrachloroethane	SOLID_DRY	ug/kg	-	-	-	270000	1800000																																						
112TCE	1,1,2-Trichloroethane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
112TCE	1,1,2-Trichloroethane	SOLID_DRY	ug/kg	-	-	-	-	-																																						
11DCP	1,1-Dichloropropene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
11DCP	1,1-Dichloropropene	SOLID_DRY	ug/kg	-	-	-	-	-																																						
11DEA	1,1-Dichloroethane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
11DEA	1,1-Dichloroethane	SOLID_DRY	ug/kg	-	-	-	-	-																																						
11DEE	1,1-Dichloroethene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
11DEE	1,1-Dichloroethene	SOLID_DRY	ug/kg	-	-	-	-	-																																						
123TCB	1,2,3-Trichlorobenzene	SOLID	ug/kg	3	-	-	102000	770000	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
123TCB	1,2,3-Trichlorobenzene	SOLID_DRY	ug/kg	-	-	-	102000	770000																																						
123TCP	1,2,3-Trichloropropane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
123TCP	1,2,3-Trichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-																																						
123TMB		SOLID_DRY	ug/kg	-	-	-	-	-																																						
124TCB	1,2,4-Trichlorobenzene	SOLID	ug/kg	3	-	-	220000	1700000	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
124TCB	1,2,4-Trichlorobenzene	SOLID_DRY	ug/kg	-	-	-	220000	1700000																																						
124TMB	1,2,4-Trimethylbenzene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
124TMB	1,2,4-Trimethylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-																																						
12D3C	1,2-Dibromo-3-chloropropane	SOLID	ug/kg	2	-	-	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12D3C	1,2-Dibromo-3-chloropropane	SOLID_DRY	ug/kg	-	-	-	-	-																																						
12DB	1,2-Dichlorobenzene	SOLID	ug/kg	1	-	-	2000000	24000000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
12DB	1,2-Dichlorobenzene	SOLID_DRY	ug/kg	-	-	-	2000000	24000000																																						
12DEA	1,2-Dichloroethane	SOLID	ug/kg	2	-	-	670	21000	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12DEA	1,2-Dichloroethane	SOLID_DRY	ug/kg	-	-	-	670	21000																																						
12DEE	cis 1,2-Dichloroethene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
12DEE	cis 1,2-Dichloroethene	SOLID_DRY	ug/kg	-	-	-	-	-																																						
12DIB	1,2-Dibromoethane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	3	4	2	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
12DIB	1,2-Dibromoethane	SOLID_DRY	ug/kg	-	-	-	-	-																																						
12DNB		SOLID_DRY	ug/kg	-	-	-	-	-																																						
12DP	1,2-Dichloropropane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
12DP	1,2-Dichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-																																						
13STCB		SOLID_DRY	ug/kg	-	-	-	-	-																																						
13STMB	1,3,5-Trimethylbenzene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
13STMB	1,3,5-Trimethylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-																																						
13DB	1,3-Dichlorobenzene	SOLID	ug/kg	1	-	-	30000	390000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
13DB	1,3-Dichlorobenzene	SOLID_DRY	ug/kg	-	-	-	30000	390000																																						
13DCP		SOLID_DRY	ug/kg	-	-	-	-	-																																						
13DCPE	cis 1,3-Dichloropropene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
13DCPE	cis 1,3-Dichloropropene	SOLID_DRY	ug/kg	-	-	-	-	-																																						
13DNB		SOLID_DRY	ug/kg	-	-	-	-	-																																						
13DP	1,3-Dichloropropane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
13DP	1,3-Dichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-																																						
14DB	1,4-Dichlorobenzene	SOLID	ug/kg	1	-	-	4400000	36000000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
14DB	1,4-Dichlorobenzene	SOLID_DRY	ug/kg	-	-	-	4400000	36000000																																						
14DNB		SOLID_DRY	ug/kg	-	-	-	-	-																																						
22DP	2,2-Dichloropropane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
22DP	2,2-Dichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-																																						
2346TCP		SOLID_DRY	ug/kg	-	-	-	-	-																																						
2356TCP		SOLID_DRY	ug/kg	-	-	-	-	-																																						
245TCP	2,4,5-Trichlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-																																						
246TCP	2,4,6-Trichlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-																																						
24DCP	2,4-Dichlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-																																						
24DMP	2,4-Dimethylphenol	SOLID_DRY	ug/kg	-	-	-	-	-																																						
24DNT	2,4-Dinitrotoluene	SOLID_DRY	ug/kg	-	-	-	-	-																																						
26DNT	2,6-Dinitrotoluene	SOLID_DRY	ug/kg	-	-	-	-	-																																						
2CNAP	2-Chloronaphthalene	SOLID_DRY	ug/kg	-	-	-	-	-																																						
2CP	2-Chlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-																																						
2CT	2-Chlorotoluene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
2CT	2-Chlorotoluene	SOLID_DRY	ug/kg	-	-	-	-	-																																						
2MNAP	2-Methylnaphthalene	SOLID_DRY	ug/kg	-	-	-	-	-																																						
2MP	2-Methylphenol	SOLID_DRY	ug/kg	-	-	-	-	-																																						
2NA		SOLID_DRY	ug/kg	-	-	-	-	-																																						
2NP	2-Nitrophenol	SOLID_DRY	ug/kg	-	-	-	-	-																																						
34MP		SOLID_DRY	ug/kg	-	-	-	-	-																																						
3CT		SOLID_DRY	ug/kg	-	-	-	-	-																																						
3NA4NA		SOLID_DRY	ug/kg	-	-	-	-	-																																						
4BPPE		SOLID_DRY	ug/kg	-	-	-	-	-																																						
4C3MP	4-Chloro-3-methylphenol	SOLID_DRY	ug/kg	-	-	-	-	-																																						
4CA		SOLID_DRY	ug/kg	-	-	-	-	-																																						
4CPPE		SOLID_DRY	ug/kg	-	-	-	-	-																																						
4CT	4-Chlorotoluene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
4CT	4-Chlorotoluene	SOLID_DRY	ug/kg	-	-	-	-	-																																						
4IPT	4-Isopropyltoluene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
4IPT	4-Isopropyltoluene	SOLID_DRY	ug/kg	-	-	-	-	-																																						
AZB		SOLID_DRY	ug/kg	-	-	-	-	-																																						
B2CEM	Bis(2-chloroethoxy)methane	SOLID_DRY	ug/kg	-	-	-	-	-																																						
B2CEYE		SOLID_DRY	ug/kg	-	-	-	-	-																																						
B2CIPE	Bis(2-chloroisopropyl)ether	SOLID_DRY	ug/kg	-	-	-	-	-																																						
B2EHAP		SOLID_DRY	ug/kg	-	-	-	-	-																																						
B2EHP	Bis(2-ethylhexyl)phthalate	SOLID_DRY	ug/kg	-	-	-	-	-																																						
BBP	Butylbenzyl phthalate SVOC	SOLID_DRY	ug/kg	-	-	-	-	-																																						
BENZ	BTEX - Benzene	SOLID_DRY	ug/kg	-	-	-	27	90																																						
BENZ	BTEX - Benzene	SOLID_VOC	ug/kg	1	-	-	27	90	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BENZALC		SOLID_DRY	ug/kg	-	-	-	-	-																																						
BROMBE	Bromobenzene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BROMBE	Bromobenzene	SOLID_DRY	ug/kg	-	-	-	-	-																																						
BROMCM	Bromochloromethane	SOLID	ug/kg	5	-	-	-	-	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
BROMCM	Bromochloromethane	SOLID_DRY	ug/kg	-	-	-	-	-																																						
BROMF	Bromoform	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BROMF	Bromoform	SOLID_DRY	ug/kg	-	-	-	-	-																																						
BROMM	Bromomethane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BROMM	Bromomethane	SOLID_DRY	ug/kg	-	-	-	-	-																																						
BROMO	Bromodichloromethane	SOLID	ug/kg	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	10	10	10
BROMO	Bromodichloromethane	SOLID_DRY	ug/kg	-	-	-	-	-																																						
C	trans 1,2-Dichloroethene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*																																		
CBENZ	Chlorobenzene	SOLID	ug/kg	1	-	-	56000	1300000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CBENZ	Chlorobenzene	SOLID_DRY	ug/kg	-	-	-	56000	1300000																																						
CBZ	Carbazole	SOLID_DRY	ug/kg	-	-	-	-	-																																						
CDS	Carbon Disulphide	SOLID	ug/kg	1	-	-	11000	1300000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CDS	Carbon Disulphide	SOLID_DRY	ug/kg	-	-	-	11000	1300000																																						
CETH	Chloroethane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	TP700/49 14/02894 /1 0.5 DOnGI	TP700/5 14/02933 /18 0.8 DOnGI	TP700/7 14/02933 /14 0.4 DOnGI	TP700/9 14/02933 /20 0.8 DOnGI	TP800/01 14/05824 /1 0.5 DOnGI	TP800/01 14/05824 /2 1.5 DOnGI	TP800/02 14/05824 /3 0.5 DOnGI	TP800/02 14/05824 /4 1 DOnGI	TP800/04 14/05708 /7 0.5 DOnGI	TP800/04 14/05708 /8 1 DOnGI	TP800/05 14/05666 /1 0.5 DOnGI	TP800/05 14/05666 /2 1 DOnGI	TP800/16 14/05790 /1 0.5 DOnGI	TP800/16 14/05790 /2 1 DOnGI	TP800/16 14/05790 /3 2 DOnGI	TP800/16 14/05790 /4 3 DOnGI	TP800/17 14/05790 /5 0.5 DOnGI	TP800/17 14/05790 /6 1 DOnGI	TP800/17 14/05790 /8 3 DOnGI	TP800/18 14/05708 /1 0.5 DOnGI	TP800/18 14/05708 /2 1 DOnGI	TP800/18 14/05708 /3 2 DOnGI	TP800/19 14/05764 /1 0.5 DOnGI	TP800/19 14/05764 /2 1 DOnGI	TP800/20 14/05666 /3 0.5 DOnGI	TP800/20 14/05666 /4 1 DOnGI	TP800/21 14/05708 /4 0.5 DOnGI	TP800/21 14/05708 /5 1 DOnGI	TP800/22 14/05632 /16 0.5 DOnGI	TP800/22 14/05632 /18 1.6 DOnGI	TP800/22 14/05632 /20 3 DOnGI	TP800/23 14/05632 /21 0.5 DOnGI	TP800/23 14/05632 /22 1 DOnGI	TP800/23 14/05632 /24 2 DOnGI	TP800/24A 14/05632 /28 0.5 DOnGI
CETH	Chloroethane	SOLID_DRY	ug/kg	-	-	-	-	-																																	
CFM	Chloroform	SOLID	ug/kg	25	-	-	99000	2600000	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
CFM	Chloroform	SOLID_DRY	ug/kg	-	-	-	99000	2600000																																			
CMN	Chloromethane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CMN	Chloromethane	SOLID_DRY	ug/kg	-	-	-	-	-																																			
CTET	Carbon Tetrachloride	SOLID	ug/kg	1	-	-	2900	190000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CTET	Carbon Tetrachloride	SOLID_DRY	ug/kg	-	-	-	2900	190000																																			
DBF	Dibenzofuran	SOLID_DRY	ug/kg	-	-	-	-	-																																			
DCFM	Dichlorodifluoromethane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
DCFM	Dichlorodifluoromethane	SOLID_DRY	ug/kg	-	-	-	-	-																																			
DCLFM		SOLID_DRY	ug/kg	-	-	-	-	-																																			
DEP	Diethyl phthalate	SOLID_DRY	ug/kg	-	-	-	-	-																																			
DIBM	Dibromochloromethane	SOLID	ug/kg	3	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
DIBM	Dibromochloromethane	SOLID_DRY	ug/kg	-	-	-	-	-																																			
DIBROM	Dibromomethane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
DIBROM	Dibromomethane	SOLID_DRY	ug/kg	-	-	-	-	-																																			
DICM	Dichloromethane VOC	SOLID	ug/kg	5	-	-	-	-																																			
DICM	Dichloromethane VOC			20	-	-	-	-	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DICM	Dichloromethane VOC	SOLID_DRY	ug/kg	-	-	-	-	-																																			
DIMP	Dimethyl phthalate	SOLID_DRY	ug/kg	-	-	-	-	-																																			
DIPA		SOLID_DRY	ug/kg	-	-	-	-	-																																			
DNBP	n-Dibutylphthalate	SOLID_DRY	ug/kg	-	-	-	-	-																																			
DNOP	n-Dioctylphthalate	SOLID_DRY	ug/kg	-	-	-	-	-																																			
ETBE		SOLID_DRY	ug/kg	-	-	-	-	-																																			
ETHYL	BTEX - Ethyl Benzene	SOLID_DRY	ug/kg	-	-	-	5700	17000																																			
ETHYL	BTEX - Ethyl Benzene	SOLID_VOC	ug/kg	1	-	-	5700	17000	*1*	*1*	*1*	3	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
FLN	Fluorene	SOLID_DRY	ug/kg	-	-	-	63000000	20000000																																			
FLNN	Fluoranthene	SOLID_DRY	ug/kg	-	-	-	23000000	6300000																																			
HCCP	Hexachlorocyclopentadiene	SOLID_DRY	ug/kg	-	-	-	-	-																																			
HCE	Hexachloroethane	SOLID_DRY	ug/kg	-	-	-	-	-																																			
HCHLB	Hexachlorobenzene	SOLID_DRY	ug/kg	-	-	-	110000	30000																																			
HEXBUT	Hexachlorobutadiene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
HEXBUT	Hexachlorobutadiene	SOLID_DRY	ug/kg	-	-	-	-	-																																			
INDP	Indeno(123-cd)pyrene	SOLID_DRY	ug/kg	-	-	-	500000	150000																																			
IPB	Isopropylbenzene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
IPB	Isopropylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-																																			
ISOP	Isophorone	SOLID_DRY	ug/kg	-	-	-	-	-																																			
MXYL	BTEX - m & p Xylene	SOLID_DRY	ug/kg	-	-	-	6200	17000																																			
MXYL	BTEX - m & p Xylene	SOLID_VOC	ug/kg	1	-	-	6200	17000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
NAP1M		SOLID_DRY	ug/kg	-	-	-	-	-																																			
NBUT	n-Butylbenzene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
NBUT	n-Butylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-																																			
NITB	Nitrobenzene	SOLID_DRY	ug/kg	-	-	-	-	-																																			
NNNP	n-Nitroso-n-dipropylamine	SOLID_DRY	ug/kg	-	-	-	-	-																																			
NPB	n-Propylbenzene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
NPB	n-Propylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-																																			
OXYL	BTEX - o Xylene	SOLID_DRY	ug/kg	-	-	-	6600	17000																																			
OXYL	BTEX - o Xylene	SOLID_VOC	ug/kg	1	-	-	6600	17000	*1*	*1*	*1*	4	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
PHE	Phenol SVOC	SOLID_DRY	ug/kg	-	-	-	-	-																																			
PNCP	Pentachlorophenol	SOLID_DRY	ug/kg	-	-	-	400000	110000																																			
SECB	sec-Butylbenzene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
SECB	sec-Butylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-																																			
STY	Styrene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
STY	Styrene	SOLID_DRY	ug/kg	-	-	-	-	-																																			
T12DE	trans 1,2-Dichloroethene	SOLID	ug/kg	1	-	-	-	-					*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
T12DE	trans 1,2-Dichloroethene	SOLID_DRY	ug/kg	-	-	-	-	-																																			
T13DP	trans 1,3-Dichloropropene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
T13DP	trans 1,3-Dichloropropene	SOLID_DRY	ug/kg	-	-	-	-	-																																			
TAME		SOLID_DRY	ug/kg	-	-	-	-	-																																			
TCFE	Trichlorofluoromethane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TCFE	Trichlorofluoromethane	SOLID_DRY	ug/kg	-	-	-	-	-																																			
TERTB	tert-Butylbenzene	SOLID	ug/kg	2	-	-	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
TERTB	tert-Butylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-																																			
TETC	Tetrachloroethene	SOLID	ug/kg	1	-	-	19000	810000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TETC	Tetrachloroethene	SOLID_DRY	ug/kg	-	-	-	19000	810000																																			
TOL	BTEX - Toluene	SOLID_DRY	ug/kg	-	-	-	56000	87000																																			
TOL	BTEX - Toluene	SOLID_VOC	ug/kg	1	-	-	56000	87000	3	*1*	3	3	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TRCE	Trichloroethene	SOLID	ug/kg	1	-	-	1200	70000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TRCE	Trichloroethene	SOLID_DRY	ug/kg	-	-	-	1200	70000																																			
VCHL	Vinyl Chloride	SOLID	ug/kg	1	-	-	59	4800	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
VCHL	Vinyl Chloride	SOLID_DRY	ug/kg	-	-	-	59	4800																																			

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	TP800/24A 14/05632 /30 2 DOnGI	TP800/24A 14/05632 /31 3 DOnGI	TP800/25 14/05632 /11 0.5 DOnGI	TP800/25 14/05632 /14 1 DOnGI	TP800/25 14/05632 /15 1.8 DOnGI	TP800/26 14/05632 /3 0.5 DOnGI	TP800/26 14/05632 /5 1 DOnGI	TP800/27 14/05632 /7 0.5 DOnGI	TP800/27 14/05632 /8 1 DOnGI	TP800/30 14/05632 /25 0.5 DOnGI	TP800/30 14/05632 /26 1 DOnGI
1112TCE	1,1,1,2-Tetrachloroethane	SOLID	ug/kg	1	-	-	110000	1500000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
1112TCE	1,1,1,2-Tetrachloroethane	SOLID_DRY	ug/kg	-	-	-	110000	1500000											
111TCE	1,1,1-Trichloroethane	SOLID	ug/kg	1	-	-	660000	57000000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
111TCE	1,1,1-Trichloroethane	SOLID_DRY	ug/kg	-	-	-	660000	57000000											
1122TCE	1,1,2,2-Tetrachloroethane	SOLID	ug/kg	1	-	-	270000	1800000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
1122TCE	1,1,2,2-Tetrachloroethane	SOLID_DRY	ug/kg	-	-	-	270000	1800000											
112TCE	1,1,2-Trichloroethane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
112TCE	1,1,2-Trichloroethane	SOLID_DRY	ug/kg	-	-	-	-	-											
11DCP	1,1-Dichloropropene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
11DCP	1,1-Dichloropropene	SOLID_DRY	ug/kg	-	-	-	-	-											
11DEA	1,1-Dichloroethane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
11DEA	1,1-Dichloroethane	SOLID_DRY	ug/kg	-	-	-	-	-											
11DEE	1,1-Dichloroethene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
11DEE	1,1-Dichloroethene	SOLID_DRY	ug/kg	-	-	-	-	-											
123TCB	1,2,3-Trichlorobenzene	SOLID	ug/kg	3	-	-	102000	770000	3	3	3	3	3	3	3	3	3	3	3
123TCB	1,2,3-Trichlorobenzene	SOLID_DRY	ug/kg	-	-	-	102000	770000											
123TCP	1,2,3-Trichloropropane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
123TCP	1,2,3-Trichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-											
123TMB		SOLID_DRY	ug/kg	-	-	-	-	-											
124TCB	1,2,4-Trichlorobenzene	SOLID	ug/kg	3	-	-	220000	1700000	3	3	3	3	3	3	3	3	3	3	3
124TCB	1,2,4-Trichlorobenzene	SOLID_DRY	ug/kg	-	-	-	220000	1700000											
124TMB	1,2,4-Trimethylbenzene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
124TMB	1,2,4-Trimethylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-											
12D3C	1,2-Dibromo-3-chloropropane	SOLID	ug/kg	2	-	-	-	-	2	2	2	2	2	3	2	2	2	2	2
12D3C	1,2-Dibromo-3-chloropropane	SOLID_DRY	ug/kg	-	-	-	-	-											
12DB	1,2-Dichlorobenzene	SOLID	ug/kg	1	-	-	2000000	24000000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
12DB	1,2-Dichlorobenzene	SOLID_DRY	ug/kg	-	-	-	2000000	24000000											
12DEA	1,2-Dichloroethane	SOLID	ug/kg	2	-	-	670	21000	2	2	2	2	2	2	2	2	2	2	2
12DEA	1,2-Dichloroethane	SOLID_DRY	ug/kg	-	-	-	670	21000											
12DEE	cis 1,2-Dichloroethene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
12DEE	cis 1,2-Dichloroethene	SOLID_DRY	ug/kg	-	-	-	-	-											
12DIB	1,2-Dibromoethane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	5
12DIB	1,2-Dibromoethane	SOLID_DRY	ug/kg	-	-	-	-	-											
12DNB		SOLID_DRY	ug/kg	-	-	-	-	-											
12DP	1,2-Dichloropropane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
12DP	1,2-Dichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-											
13STCB		SOLID_DRY	ug/kg	-	-	-	-	-											
13STMB	1,3,5-Trimethylbenzene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
13STMB	1,3,5-Trimethylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-											
13DB	1,3-Dichlorobenzene	SOLID	ug/kg	1	-	-	30000	390000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
13DB	1,3-Dichlorobenzene	SOLID_DRY	ug/kg	-	-	-	30000	390000											
13DCP		SOLID_DRY	ug/kg	-	-	-	-	-											
13DCPE	cis 1,3-Dichloropropene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
13DCPE	cis 1,3-Dichloropropene	SOLID_DRY	ug/kg	-	-	-	-	-											
13DNB		SOLID_DRY	ug/kg	-	-	-	-	-											
13DP	1,3-Dichloropropane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
13DP	1,3-Dichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-											
14DB	1,4-Dichlorobenzene	SOLID	ug/kg	1	-	-	4400000	36000000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
14DB	1,4-Dichlorobenzene	SOLID_DRY	ug/kg	-	-	-	4400000	36000000											
14DNB		SOLID_DRY	ug/kg	-	-	-	-	-											
22DP	2,2-Dichloropropane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
22DP	2,2-Dichloropropane	SOLID_DRY	ug/kg	-	-	-	-	-											
2346TCP		SOLID_DRY	ug/kg	-	-	-	-	-											
2356TCP		SOLID_DRY	ug/kg	-	-	-	-	-											
245TCP	2,4,5-Trichlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-											
246TCP	2,4,6-Trichlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-											
24DCP	2,4-Dichlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-											
24DMP	2,4-Dimethylphenol	SOLID_DRY	ug/kg	-	-	-	-	-											
24DNT	2,4-Dinitrotoluene	SOLID_DRY	ug/kg	-	-	-	-	-											
26DNT	2,6-Dinitrotoluene	SOLID_DRY	ug/kg	-	-	-	-	-											
2CNAP	2-Chloronaphthalene	SOLID_DRY	ug/kg	-	-	-	-	-											
2CP	2-Chlorophenol	SOLID_DRY	ug/kg	-	-	-	-	-											
2CT	2-Chlorotoluene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
2CT	2-Chlorotoluene	SOLID_DRY	ug/kg	-	-	-	-	-											
2MNAP	2-Methylnaphthalene	SOLID_DRY	ug/kg	-	-	-	-	-											
2MP	2-Methylphenol	SOLID_DRY	ug/kg	-	-	-	-	-											
2NA		SOLID_DRY	ug/kg	-	-	-	-	-											
2NP	2-Nitrophenol	SOLID_DRY	ug/kg	-	-	-	-	-											
34MP		SOLID_DRY	ug/kg	-	-	-	-	-											
3CT		SOLID_DRY	ug/kg	-	-	-	-	-											
3NA4NA		SOLID_DRY	ug/kg	-	-	-	-	-											
4BPPE		SOLID_DRY	ug/kg	-	-	-	-	-											
4C3MP	4-Chloro-3-methylphenol	SOLID_DRY	ug/kg	-	-	-	-	-											
4CA		SOLID_DRY	ug/kg	-	-	-	-	-											
4CPPE		SOLID_DRY	ug/kg	-	-	-	-	-											
4CT	4-Chlorotoluene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
4CT	4-Chlorotoluene	SOLID_DRY	ug/kg	-	-	-	-	-											
4IPT	4-Isopropyltoluene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
4IPT	4-Isopropyltoluene	SOLID_DRY	ug/kg	-	-	-	-	-											
AZB		SOLID_DRY	ug/kg	-	-	-	-	-											
B2CEM	Bis(2-chloroethoxy)methane	SOLID_DRY	ug/kg	-	-	-	-	-											
B2CEYE		SOLID_DRY	ug/kg	-	-	-	-	-											
B2CIPE	Bis(2-chloroisopropyl)ether	SOLID_DRY	ug/kg	-	-	-	-	-											
B2EHAP		SOLID_DRY	ug/kg	-	-	-	-	-											
B2EHP	Bis(2-ethylhexyl)phthalate	SOLID_DRY	ug/kg	-	-	-	-	-											
BBP	Butylbenzyl phthalate SVOC	SOLID_DRY	ug/kg	-	-	-	-	-											
BENZ	BTEX - Benzene	SOLID_DRY	ug/kg	-	-	-	27	90											
BENZ	BTEX - Benzene	SOLID_VOC	ug/kg	1	-	-	27	90	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BENZALC		SOLID_DRY	ug/kg	-	-	-	-	-											
BROMBE	Bromobenzene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BROMBE	Bromobenzene	SOLID_DRY	ug/kg	-	-	-	-	-											
BROMCM	Bromochloromethane	SOLID	ug/kg	5	-	-	-	-	5	5	5	5	5	5	5	5	5	5	5
BROMCM	Bromochloromethane	SOLID_DRY	ug/kg	-	-	-	-	-											
BROMF	Bromoform	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BROMF	Bromoform	SOLID_DRY	ug/kg	-	-	-	-	-											
BROMM	Bromomethane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BROMM	Bromomethane	SOLID_DRY	ug/kg	-	-	-	-	-											
BROMO	Bromodichloromethane	SOLID	ug/kg	10	-	-	-	-	10	10	10	10	10	10	10	10	10	10	10
BROMO	Bromodichloromethane	SOLID_DRY	ug/kg	-	-	-	-	-											
C	trans 1,2-Dichloroethene	SOLID	ug/kg	1	-	-	-	-											
CBENZ	Chlorobenzene	SOLID	ug/kg	1	-	-	56000	1300000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CBENZ	Chlorobenzene	SOLID_DRY	ug/kg	-	-	-	56000	1300000											
CBZ	Carbazole	SOLID_DRY	ug/kg	-	-	-	-	-											
CDS	Carbon Disulphide	SOLID	ug/kg	1	-	-	11000	1300000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CDS	Carbon Disulphide	SOLID_DRY	ug/kg	-	-	-	11000	1300000											
CETH	Chloroethane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	TP800/24A 14/05632 /30 2 DOnGI	TP800/24A 14/05632 /31 3 DOnGI	TP800/25 14/05632 /11 0.5 DOnGI	TP800/25 14/05632 /14 1 DOnGI	TP800/25 14/05632 /15 1.8 DOnGI	TP800/26 14/05632 /3 0.5 DOnGI	TP800/26 14/05632 /5 1 DOnGI	TP800/27 14/05632 /7 0.5 DOnGI	TP800/27 14/05632 /8 1 DOnGI	TP800/30 14/05632 /25 0.5 DOnGI	TP800/30 14/05632 /26 1 DOnGI
CETH	Chloroethane	SOLID_DRY	ug/kg	-	-	-	-	-											
CFM	Chloroform	SOLID	ug/kg	25	-	-	99000	2600000	25	25	25	25	25	25	25	25	25	25	25
CFM	Chloroform	SOLID_DRY	ug/kg	-	-	-	99000	2600000											
CMN	Chloromethane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CMN	Chloromethane	SOLID_DRY	ug/kg	-	-	-	-	-											
CTET	Carbon Tetrachloride	SOLID	ug/kg	1	-	-	2900	190000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CTET	Carbon Tetrachloride	SOLID_DRY	ug/kg	-	-	-	2900	190000											
DBF	Dibenzofuran	SOLID_DRY	ug/kg	-	-	-	-	-											
DCFM	Dichlorodifluoromethane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
DCFM	Dichlorodifluoromethane	SOLID_DRY	ug/kg	-	-	-	-	-											
DCLFM		SOLID_DRY	ug/kg	-	-	-	-	-											
DEP	Diethyl phthalate	SOLID_DRY	ug/kg	-	-	-	-	-											
DIBM	Dibromochloromethane	SOLID	ug/kg	3	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3
DIBM	Dibromochloromethane	SOLID_DRY	ug/kg	-	-	-	-	-											
DIBROM	Dibromomethane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
DIBROM	Dibromomethane	SOLID_DRY	ug/kg	-	-	-	-	-											
DICM	Dichloromethane VOC	SOLID	ug/kg	5	-	-	-	-											
DICM	Dichloromethane VOC			20	-	-	-	-	20	20	20	20	20	20	20	20	20	20	20
DICM	Dichloromethane VOC	SOLID_DRY	ug/kg	-	-	-	-	-											
DIMP	Dimethyl phthalate	SOLID_DRY	ug/kg	-	-	-	-	-											
DIPA		SOLID_DRY	ug/kg	-	-	-	-	-											
DNBP	n-Dibutylphthalate	SOLID_DRY	ug/kg	-	-	-	-	-											
DNOP	n-Dioctylphthalate	SOLID_DRY	ug/kg	-	-	-	-	-											
ETBE		SOLID_DRY	ug/kg	-	-	-	-	-											
ETHYL	BTEX - Ethyl Benzene	SOLID_DRY	ug/kg	-	-	-	5700	17000											
ETHYL	BTEX - Ethyl Benzene	SOLID_VOC	ug/kg	1	-	-	5700	17000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
FLN	Fluorene	SOLID_DRY	ug/kg	-	-	-	63000000	20000000											
FLNN	Fluoranthene	SOLID_DRY	ug/kg	-	-	-	23000000	6300000											
HCCP	Hexachlorocyclopentadiene	SOLID_DRY	ug/kg	-	-	-	-	-											
HCE	Hexachloroethane	SOLID_DRY	ug/kg	-	-	-	-	-											
HCHLB	Hexachlorobenzene	SOLID_DRY	ug/kg	-	-	-	110000	30000											
HEXBUT	Hexachlorobutadiene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
HEXBUT	Hexachlorobutadiene	SOLID_DRY	ug/kg	-	-	-	-	-											
INDP	Indeno(123-cd)pyrene	SOLID_DRY	ug/kg	-	-	-	500000	150000											
IPB	Isopropylbenzene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
IPB	Isopropylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-											
ISOP	Isophorone	SOLID_DRY	ug/kg	-	-	-	-	-											
MXYL	BTEX - m & p Xylene	SOLID_DRY	ug/kg	-	-	-	6200	17000											
MXYL	BTEX - m & p Xylene	SOLID_VOC	ug/kg	1	-	-	6200	17000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
NAP1M		SOLID_DRY	ug/kg	-	-	-	-	-											
NBUT	n-Butylbenzene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
NBUT	n-Butylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-											
NITB	Nitrobenzene	SOLID_DRY	ug/kg	-	-	-	-	-											
NNNP	n-Nitroso-n-dipropylamine	SOLID_DRY	ug/kg	-	-	-	-	-											
NPB	n-Propylbenzene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
NPB	n-Propylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-											
OXYL	BTEX - o Xylene	SOLID_DRY	ug/kg	-	-	-	6600	17000											
OXYL	BTEX - o Xylene	SOLID_VOC	ug/kg	1	-	-	6600	17000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
PHE	Phenol SVOC	SOLID_DRY	ug/kg	-	-	-	-	-											
PNCP	Pentachlorophenol	SOLID_DRY	ug/kg	-	-	-	400000	110000											
SECB	sec-Butylbenzene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
SECB	sec-Butylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-											
STY	Styrene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
STY	Styrene	SOLID_DRY	ug/kg	-	-	-	-	-											
T12DE	trans 1,2-Dichloroethene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
T12DE	trans 1,2-Dichloroethene	SOLID_DRY	ug/kg	-	-	-	-	-											
T13DP	trans 1,3-Dichloropropene	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
T13DP	trans 1,3-Dichloropropene	SOLID_DRY	ug/kg	-	-	-	-	-											
TAME		SOLID_DRY	ug/kg	-	-	-	-	-											
TCFE	Trichlorofluoromethane	SOLID	ug/kg	1	-	-	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TCFE	Trichlorofluoromethane	SOLID_DRY	ug/kg	-	-	-	-	-											
TERTB	tert-Butylbenzene	SOLID	ug/kg	2	-	-	-	-	2	2	2	2	2	2	2	2	2	2	2
TERTB	tert-Butylbenzene	SOLID_DRY	ug/kg	-	-	-	-	-											
TETC	Tetrachloroethene	SOLID	ug/kg	1	-	-	19000	810000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TETC	Tetrachloroethene	SOLID_DRY	ug/kg	-	-	-	19000	810000											
TOL	BTEX - Toluene	SOLID_DRY	ug/kg	-	-	-	56000	87000											
TOL	BTEX - Toluene	SOLID_VOC	ug/kg	1	-	-	56000	87000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TRCE	Trichloroethene	SOLID	ug/kg	1	-	-	1200	70000	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TRCE	Trichloroethene	SOLID_DRY	ug/kg	-	-	-	1200	70000											
VCHL	Vinyl Chloride	SOLID	ug/kg	1	-	-	59	4800	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
VCHL	Vinyl Chloride	SOLID_DRY	ug/kg	-	-	-	59	4800											

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	Min. Value	Max. Value	Total no. of results	No. of results <LOD	Borehole ID	BH882R	OT501	OT501	OT501	OT501	OT501	OT501	OT502A	OT502A	OT502A	OT502A	OT502A	OT502A	OT502B	OT502B	OT502B	OT502B	OT502B	OT502B	OT502B	OT502B	OT502C	OT502C	OT502C	OT502C	OT502C	OT502C
													Specimen Reference	14/04155/1	1561778	1561779	00156177 8TC0918	00156177 8TC0922	00156177 9TC0918	00156177 9TC0922	1564969	1564970	00156496 9TC0918	00156496 9TC0922	00156497 0TC0918	00156497 0TC0922	1564971	1564972	1564973	00156497 1TC0918	00156497 1TC0922	00156497 2TC0918	00156497 2TC0922	00156497 3TC0918	00156497 3TC0922	1564974	1564975	1564976	00156497 4TC0918	00156497 4TC0922	00156497 5TC0918
													Depth	0	0.2	1.8	0.2	0.2	1.8	1.8	0.5	0.8	0.5	0.5	0.8	0.8	0.5	0.9	1.3	0.5	0.5	0.9	0.9	1.3	1.3	0.5	0.9	1.4	0.5	0.5	0.9
													Phase	DOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI
124TCB	1,2,4-Trichlorobenzene	SOLID_SVOC	ug/kg	100	-	-	220000	1700000	100	100	18	18																												
12DB	1,2-Dichlorobenzene	SOLID_SVOC	ug/kg	100	-	-	2000000	24000000	100	100	18	18																												
13DB	1,3-Dichlorobenzene	SOLID_SVOC	ug/kg	100	-	-	30000	390000	100	100	18	18																												
14DB	1,4-Dichlorobenzene	SOLID_SVOC	ug/kg	100	-	-	4400000	36000000	100	100	18	18																												
245TCP	2,4,5-Trichlorophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
246TCP	2,4,6-Trichlorophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
24DCP	2,4-Dichlorophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
24DMP	2,4-Dimethylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
24DNP	2,4-Dinitrophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
24DNT	2,4-Dinitrotoluene	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
26DNT	2,6-Dinitrotoluene	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
2CNAP	2-Chloronaphthalene	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
2CP	2-Chlorophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
2MNAP	2-Methylnaphthalene	SOLID_SVOC	ug/kg	100	-	-	-	-	100	1220	61	60		*100*																										
2MP	2-Methylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
2NP	2-Nitrophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
46DN2MP	4,6-Dinitro-2-methylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
4C3MP	4-Chloro-3-methylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
4MP	4-Methylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
4NP	4-Nitrophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	100	2010	61	60		*100*																										
ACNAP	Acenaphthylene	SOLID_DRY	ug/kg		-	-	83000000	29000000	50	50	28	0			50	50					50	50					50	50	50							50	50	50			
ACNAP	Acenaphthylene	SOLID_SVOC	ug/kg	100	-	-	83000000	29000000	100	3490	61	59		*100*																										
ACNEN	Acenaphthene	SOLID_DRY	ug/kg		-	-	84000000	29000000	50	47700	28	0			50	50					50	50					50	50	50							50	50	50			
ACNEN	Acenaphthene	SOLID_SVOC	ug/kg	100	-	-	84000000	29000000	100	719	61	59		*100*																										
ANTHN	Anthracene	SOLID_DRY	ug/kg		-	-	520000000	1.5E+08	30	105000	28	0			30	30					30	30					30	30	30							30	30	30			
ANTHN	Anthracene	SOLID_SVOC	ug/kg	100	-	-	520000000	1.5E+08	100	6620	61	56		348																										
B2CEE2	Bis(2-chloroethyl)ether	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
B2CEM	Bis(2-chloroethoxy)methane	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
B2CIPE	Bis(2-chloroisopropyl)ether	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
B2EHP	Bis(2-ethylhexyl)phthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
BBP	Butylbenzyl phthalate SVOC	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
BENA	Benzo(a)anthracene	SOLID_DRY	ug/kg		-	-	170000	49000	60	109000	28	0			60	60					60	60					60	60	60							60	60	60			
BENA	Benzo(a)anthracene	SOLID_SVOC	ug/kg	100	-	-	170000	49000	100	9200	61	52		309																										
BENAP	Benzo(a)pyrene	SOLID_DRY	ug/kg		77000	21000	35000	11000	70	83900	28	0			70	70					70	70					70	70	70							70	70	70			
BENAP	Benzo(a)pyrene	SOLID_SVOC	ug/kg	100	77000	21000	35000	11000	100	4860	61	52		324																										
BENB	Benzo(b)fluoranthene	SOLID_DRY	ug/kg		-	-	44000	13000	80	85800	28	0			80	80					80	80					80	80	80							80	80	80			
BENB	Benzo(b)fluoranthene	SOLID_SVOC	ug/kg	100	-	-	44000	13000	100	5580	61	50		227																										
BENGI	Benzo(ghi)perylene	SOLID_DRY	ug/kg		-	-	3900000	1400000	80	38300	28	0			80	80					80	80					80	80	80							80	80	80			
BENGI	Benzo(ghi)perylene	SOLID_SVOC	ug/kg	100	-	-	3900000	1400000	100	1170	61	52		122																										
BENK	Benzo(k)fluoranthene	SOLID_DRY	ug/kg		-	-	1200000	370000	50	33800	28	0			50	50					50	50					50	50	50							50	50	50			
BENK	Benzo(k)fluoranthene	SOLID_SVOC	ug/kg	100	-	-	1200000	370000	100	2460	61	53		169																										
CBZ	Carbazole	SOLID_SVOC	ug/kg	100	-	-	-	-	100	1490	61	59		*100*																										
CRYN	Chrysene	SOLID_DRY	ug/kg		-	-	350000	93000	80	84500	28	0			80	80					80	80					80	80	80							80	80	80			
CRYN	Chrysene	SOLID_SVOC	ug/kg	100	-	-	350000	93000	100	6720	61	49		379																										
DBF	Dibenzofuran	SOLID_SVOC	ug/kg	100	-	-	-	-	100	3030	61	59		*100*																										
DEP	Diethyl phthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	100	199	61	59		*100*																										
DIABN	Dibenzo(ah)anthracene	SOLID_DRY	ug/kg		-	-	3500	1100	100	7950	28	0			100	100					100	100					100	100	100							100	100	100			
DIABN	Dibenzo(ah)anthracene	SOLID_SVOC	ug/kg	100	-	-	3500	1100	100	354	61	58		*100*																										
DIMP	Dimethyl phthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
DNBP	n-Dibutylphthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	100	585	61	55		*100*																										
DNOP	n-Dioctylphthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	100	122	61	60		*100*																										
FLN	Fluorene	SOLID_SVOC	ug/kg	100	-	-	63000000	20000000	100	4800	61	58		*100*																										
FLNN	Fluoranthene	SOLID_SVOC	ug/kg	100	-	-	23000000	6300000	100	18900	61	49		1690																										
HCCP	Hexachlorocyclopentadiene	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
HCE	Hexachloroethane	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
HCHLB	Hexachlorobenzene	SOLID_SVOC	ug/kg	100	-	-	110000	30000	100	100	61	61		*100*																										
HEXBUT	Hexachlorobutadiene	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	18	18																												
INDP	Indeno(123-cd)pyrene	SOLID_SVOC	ug/kg	100	-	-	500000	150000	100	1220	61	53		126																										
ISOP	Isophorone	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
NAPTHH	Naphthalene	SOLID_DRY	ug/kg		-	-	190000	1200000	10	19200	57	0					20	50	30	50			10	50	10	50				10	50	10	50	10	50				10	50	10
NAPTHH	Naphthalene	SOLID_SVOC	ug/kg	100	-	-	190000	1200000	100	1160	61	60		*100*																										
NITB	Nitrobenzene	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
NNNP	n-Nitroso-n-dipropylamine	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
PERYL	Perylene	SOLID_SVOC	ug/kg	100	-	-	-	-	100	817	61	56		*100*																										
PHE	Phenol SVOC	SOLID_SVOC	ug/kg	100	-	-	-	-	100	100	61	61		*100*																										
PNCP	Pentachlorophenol	SOLID_SVOC	ug/kg	100	-	-	400000	110000	100	100	61	61		*100*																										
PPENN	Phenanthrene	SOLID_DRY	ug/kg		-	-	22000000	6200000	50	327000	28	0			50	50					50	50					50	50	50							50	50	50			
PPENN	Phenanthrene	SOLID_SVOC	ug/kg	100	-	-	22000000	6200000	100	17900	61	51		1510																										
PYRN	Pyrene	SOLID_DRY	ug/kg		-	-	54000000	15000000	70	245000	28	0			70	70					70	70					70	70	70							70	70	70			
PYRN	Pyrene	SOLID_SVOC	ug/kg	100	-	-	54000000	15000000	100	11000	61	49		1160																										

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

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AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	TP700/23A	TP700/23A	TP700/24	TP700/3	TP700/49	TP700/5	TP700/7	TP700/9	TP800/01	TP800/01	TP800/02	TP800/02	TP800/04	TP800/04	TP800/05	TP800/05	TP800/16	TP800/16	TP800/16	TP800/16	TP800/17	TP800/17	TP800/17	TP800/18	TP800/18	TP800/18	TP800/19	TP800/19	TP800/20	TP800/20	TP800/21	TP800/21	TP800/22	TP800/22
									14/03132/7	14/03132/8	14/03132/3	14/02933/12	14/02894/1	14/02933/18	14/02933/14	14/02933/20	14/05824/1	14/05824/2	14/05824/3	14/05824/4	14/05708/7	14/05708/8	14/05666/1	14/05666/2	14/05790/1	14/05790/2	14/05790/3	14/05790/4	14/05790/5	14/05790/6	14/05790/8	14/05708/1	14/05708/2	14/05708/3	14/05764/1	14/05764/2	14/05666/3	14/05666/4	14/05708/4	14/05708/5	14/05632/16	14/05632/18
									0.5	1	0.1	0.95	0.5	0.8	0.4	0.8	0.5	1.5	0.5	1	0.5	1	0.5	1	0.5	1	2	3	0.5	1	3	0.5	1	2	0.5	1	0.5	1	0.5	1	0.5	1.6
									DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
124TCB	1,2,4-Trichlorobenzene	SOLID_SVOC	ug/kg	100	-	-	220000	1700000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*																										
12DB	1,2-Dichlorobenzene	SOLID_SVOC	ug/kg	100	-	-	2000000	24000000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*																										
13DB	1,3-Dichlorobenzene	SOLID_SVOC	ug/kg	100	-	-	30000	390000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*																										
14DB	1,4-Dichlorobenzene	SOLID_SVOC	ug/kg	100	-	-	4400000	36000000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*																										
245TCP	2,4,5-Trichlorophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
246TCP	2,4,6-Trichlorophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
24DCP	2,4-Dichlorophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
24DMP	2,4-Dimethylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
24DNP	2,4-Dinitrophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
24DNT	2,4-Dinitrotoluene	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
26DNT	2,6-Dinitrotoluene	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
2CNAP	2-Chloronaphthalene	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
2CP	2-Chlorophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
2MNAP	2-Methylnaphthalene	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
2MP	2-Methylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
2NP	2-Nitrophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
46DN2MP	4,6-Dinitro-2-methylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
4C3MP	4-Chloro-3-methylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
4MP	4-Methylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
4NP	4-Nitrophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
ACNAP	Acenaphthylene	SOLID_DRY	ug/kg		-	-	83000000	29000000																																
ACNAP	Acenaphthylene	SOLID_SVOC	ug/kg	100	-	-	83000000	29000000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
ACNEN	Acenaphthene	SOLID_DRY	ug/kg		-	-	84000000	29000000																																
ACNEN	Acenaphthene	SOLID_SVOC	ug/kg	100	-	-	84000000	29000000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
ANTHN	Anthracene	SOLID_DRY	ug/kg		-	-	520000000	1.5E+08																																
ANTHN	Anthracene	SOLID_SVOC	ug/kg	100	-	-	520000000	1.5E+08	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
B2CEE2	Bis(2-chloroethyl)ether	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
B2CEM	Bis(2-chloroethoxy)methane	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
B2CIPE	Bis(2-chloroisopropyl)ether	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
B2EHP	Bis(2-ethylhexyl)phthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
BBP	Butylbenzyl phthalate SVOC	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
BENA	Benzo(a)anthracene	SOLID_DRY	ug/kg		-	-	170000	49000																																
BENA	Benzo(a)anthracene	SOLID_SVOC	ug/kg	100	-	-	170000	49000	*100*	*100*	*100*	*100*	553	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	200	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
BENAP	Benzo(a)pyrene	SOLID_DRY	ug/kg		77000	21000	35000	11000																																
BENAP	Benzo(a)pyrene	SOLID_SVOC	ug/kg	100	77000	21000	35000	11000	*100*	*100*	*100*	*100*	957	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	182	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
BENB	Benzo(b)fluoranthene	SOLID_DRY	ug/kg		-	-	44000	13000																																
BENB	Benzo(b)fluoranthene	SOLID_SVOC	ug/kg	100	-	-	44000	13000	*100*	*100*	143	*100*	943	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	252	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
BENGI	Benzo(ghi)perylene	SOLID_DRY	ug/kg		-	-	3900000	1400000																																
BENGI	Benzo(ghi)perylene	SOLID_SVOC	ug/kg	100	-	-	3900000	1400000	*100*	*100*	*100*	*100*	970	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	127	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
BENK	Benzo(k)fluoranthene	SOLID_DRY	ug/kg		-	-	1200000	370000																																
BENK	Benzo(k)fluoranthene	SOLID_SVOC	ug/kg	100	-	-	1200000	370000	*100*	*100*	*100*	*100*	403	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
CBZ	Carbazole	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
CRYN	Chrysene	SOLID_DRY	ug/kg		-	-	350000	93000																																
CRYN	Chrysene	SOLID_SVOC	ug/kg	100	-	-	350000	93000	125	*100*	151	*100*	669	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	240	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
DBF	Dibenzofuran	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
DEP	Diethyl phthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	199	146	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
DIABN	Dibenzo(ah)anthracene	SOLID_DRY	ug/kg		-	-	3500	1100																																
DIABN	Dibenzo(ah)anthracene	SOLID_SVOC	ug/kg	100	-	-	3500	1100	*100*	*100*	*100*	*100*	123	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
DIMP	Dimethyl phthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
DNBP	n-Dibutylphthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	236	132	156	*100*	*100*	*100*	111	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	558	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
DNOP	n-Dioctylphthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	122	*100*
FLN	Fluorene	SOLID_SVOC	ug/kg	100	-	-	63000000	20000000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
FLNN	Fluoranthene	SOLID_SVOC	ug/kg	100	-	-	23000000	6300000	*100*	*100*	*100*	*100*	1270	*100*	177	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	390	*100*	*100*	*100*	*100*	*100*	*100*	*100*	117	*100*
HCCP	Hexachlorocyclopentadiene	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
HCE	Hexachloroethane	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
HCHLB	Hexachlorobenzene	SOLID_SVOC	ug/kg	100	-	-	110000	30000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
HEXBUT	Hexachlorobutadiene	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*																										
INDP	Indeno(123-cd)pyrene	SOLID_SVOC	ug/kg	100	-	-	500000	150000	*100*	*100*	*100*	*100*	574	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
ISOP	Isophorone	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
NAPTHH	Naphthalene	SOLID_DRY	ug/kg		-	-	190000	1200000																																
NAPTHH	Naphthalene	SOLID_SVOC	ug/kg	100	-	-	190000	1200000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
NITB	Nitrobenzene	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
NNNP	n-Nitroso-n-dipropylamine	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
PERYL	Perylene	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	287	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
PHE	Phenol SVOC	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
PNCP	Pentachlorophenol	SOLID_SVOC	ug/kg	100	-	-	400000	110000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
PPENN	Phenanthrene	SOLID_DRY	ug/kg		-	-	22000000	6200000																																
PPENN	Phenanthrene	SOLID_SVOC	ug/kg	100	-	-	22000000	6200000	*100*	*100*	*100*	*100*	859	*100*	201	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	184	*100*	*100*	*100*	*100*	*100*	*100*	*100*	111	*100*	*100*
PYRN	Pyrene	SOLID_DRY	ug/kg		-	-	54000000	15000000																																
PYRN	Pyrene	SOLID_SVOC	ug/kg	100	-	-	54000000	15000000	*100*	*100*	*100*	*100*	1820	*100*	153	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	304	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	C4SL Commercial/ Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial/ Industrial (1970s office)	S4UL Public Space (park)	TP800/22 14/05632 /20 3 DOnGI	TP800/23 14/05632 /21 0.5 DOnGI	TP800/23 14/05632 /22 1 DOnGI	TP800/23 14/05632 /24 2 DOnGI	TP800/24A 14/05632 /28 0.5 DOnGI	TP800/24A 14/05632 /30 2 DOnGI	TP800/24A 14/05632 /31 3 DOnGI	TP800/25 14/05632 /11 0.5 DOnGI	TP800/25 14/05632 /14 1 DOnGI	TP800/25 14/05632 /15 1.8 DOnGI	TP800/26 14/05632 /3 0.5 DOnGI	TP800/26 14/05632 /5 1 DOnGI	TP800/27 14/05632 /7 0.5 DOnGI	TP800/27 14/05632 /8 1 DOnGI	TP800/30 14/05632 /25 0.5 DOnGI	TP800/30 14/05632 /26 1 DOnGI
124TCB	1,2,4-Trichlorobenzene	SOLID_SVOC	ug/kg	100	-	-	220000	1700000																
12DB	1,2-Dichlorobenzene	SOLID_SVOC	ug/kg	100	-	-	2000000	24000000																
13DB	1,3-Dichlorobenzene	SOLID_SVOC	ug/kg	100	-	-	30000	390000																
14DB	1,4-Dichlorobenzene	SOLID_SVOC	ug/kg	100	-	-	4400000	36000000																
245TCP	2,4,5-Trichlorophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
246TCP	2,4,6-Trichlorophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
24DCP	2,4-Dichlorophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
24DMP	2,4-Dimethylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
24DNP	2,4-Dinitrophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
24DNT	2,4-Dinitrotoluene	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
26DNT	2,6-Dinitrotoluene	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
2CNAP	2-Chloronaphthalene	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
2CP	2-Chlorophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
2MNAP	2-Methylnaphthalene	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	1220	*100*	*100*	*100*
2MP	2-Methylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
2NP	2-Nitrophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
46DN2MP	4,6-Dinitro-2-methylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
4C3MP	4-Chloro-3-methylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
4MP	4-Methylphenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
4NP	4-Nitrophenol	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	2010	*100*	*100*	*100*
ACNAP	Acenaphthylene	SOLID_DRY	ug/kg		-	-	83000000	29000000																
ACNAP	Acenaphthylene	SOLID_SVOC	ug/kg	100	-	-	83000000	29000000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	3490	180	*100*	*100*
ACNEN	Acenaphthene	SOLID_DRY	ug/kg		-	-	84000000	29000000																
ACNEN	Acenaphthene	SOLID_SVOC	ug/kg	100	-	-	84000000	29000000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	235	*100*	*100*	719	*100*	*100*	*100*
ANTHN	Anthracene	SOLID_DRY	ug/kg		-	-	520000000	1.5E+08																
ANTHN	Anthracene	SOLID_SVOC	ug/kg	100	-	-	520000000	1.5E+08	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	1070	*100*	*100*	6620	336	*100*	*100*
B2CEE2	Bis(2-chloroethyl)ether	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
B2CEM	Bis(2-chloroethoxy)methane	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
B2CIPE	Bis(2-chloroisopropyl)ether	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
B2EHP	Bis(2-ethylhexyl)phthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
BBP	Butylbenzyl phthalate SVOC	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
BENA	Benzo(a)anthracene	SOLID_DRY	ug/kg		-	-	170000	49000																
BENA	Benzo(a)anthracene	SOLID_SVOC	ug/kg	100	-	-	170000	49000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	1610	*100*	*100*	9200	629	*100*	*100*
BENAP	Benzo(a)pyrene	SOLID_DRY	ug/kg		77000	21000	35000	11000																
BENAP	Benzo(a)pyrene	SOLID_SVOC	ug/kg	100	77000	21000	35000	11000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	1220	*100*	*100*	4860	441	*100*	*100*
BENB	Benzo(b)fluoranthene	SOLID_DRY	ug/kg		-	-	44000	13000																
BENB	Benzo(b)fluoranthene	SOLID_SVOC	ug/kg	100	-	-	44000	13000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	109	1620	*100*	*100*	5580	567	*100*	*100*
BENGI	Benzo(ghi)perylene	SOLID_DRY	ug/kg		-	-	3900000	1400000																
BENGI	Benzo(ghi)perylene	SOLID_SVOC	ug/kg	100	-	-	3900000	1400000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	534	*100*	*100*	1170	133	*100*	*100*
BENK	Benzo(k)fluoranthene	SOLID_DRY	ug/kg		-	-	1200000	370000																
BENK	Benzo(k)fluoranthene	SOLID_SVOC	ug/kg	100	-	-	1200000	370000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	664	*100*	*100*	2460	202	*100*	*100*
CBZ	Carbazole	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	398	*100*	*100*	1490	*100*	*100*	*100*
CRYN	Chrysene	SOLID_DRY	ug/kg		-	-	350000	93000																
CRYN	Chrysene	SOLID_SVOC	ug/kg	100	-	-	350000	93000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	112	1860	*100*	*100*	6720	733	*100*	*100*
DBF	Dibenzofuran	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	242	*100*	*100*	3030	*100*	*100*	*100*
DEP	Diethyl phthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
DIABN	Dibenzo(ah)anthracene	SOLID_DRY	ug/kg		-	-	3500	1100																
DIABN	Dibenzo(ah)anthracene	SOLID_SVOC	ug/kg	100	-	-	3500	1100	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	143	*100*	*100*	354	*100*	*100*	*100*
DIMP	Dimethyl phthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
DNBP	n-Dibutylphthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	585	*100*	*100*	*100*	*100*	*100*	*100*
DNOP	n-Dioctylphthalate	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
FLN	Fluorene	SOLID_SVOC	ug/kg	100	-	-	63000000	20000000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	250	*100*	*100*	4800	193	*100*	*100*
FLNN	Fluoranthene	SOLID_SVOC	ug/kg	100	-	-	23000000	6300000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	246	4400	*100*	*100*	18900	1700	*100*	*100*
HCCP	Hexachlorocyclopentadiene	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
HCE	Hexachloroethane	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
HCHLB	Hexachlorobenzene	SOLID_SVOC	ug/kg	100	-	-	110000	30000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
HEXBUT	Hexachlorobutadiene	SOLID_SVOC	ug/kg	100	-	-	-	-																
INDP	Indeno(123-cd)pyrene	SOLID_SVOC	ug/kg	100	-	-	500000	150000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	488	*100*	*100*	1220	137	*100*	*100*
ISOP	Isophorone	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
NAPTHH	Naphthalene	SOLID_DRY	ug/kg		-	-	190000	1200000																
NAPTHH	Naphthalene	SOLID_SVOC	ug/kg	100	-	-	190000	1200000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	1160	*100*	*100*	*100*
NITB	Nitrobenzene	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
NNNP	n-Nitroso-n-dipropylamine	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
PERYL	Perylene	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	284	*100*	*100*	817	*100*	*100*	*100*
PHE	Phenol SVOC	SOLID_SVOC	ug/kg	100	-	-	-	-	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
PNCP	Pentachlorophenol	SOLID_SVOC	ug/kg	100	-	-	400000	110000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
PPENN	Phenanthrene	SOLID_DRY	ug/kg		-	-	22000000	6200000																
PPENN	Phenanthrene	SOLID_SVOC	ug/kg	100	-	-	22000000	6200000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	183	4160	*100*	*100*	17900	1470	*100*	*100*
PYRN	Pyrene	SOLID_DRY	ug/kg		-	-	54000000	15000000																
PYRN	Pyrene	SOLID_SVOC	ug/kg	100	-	-	54000000	15000000	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	205	3450	*100*	*100*	11000	1280	*100*	*100*

Key:

1000	Exceedance of assessment criteria
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

Key
red/pink = exceedance of assessment criteria

Notes:
Reference should be made to the laboratory certificates for the original data. Reference should be made to the report text for further information or the generic assessment criteria used.

Sample Matrix Code	Units	Method	C4SL Commercial / Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial / Industrial (1970s office)	S4UL Public Space (park)	Min. Value	Max. Value	Total no. of results	No. of results <LOD		Lab Sample ID	15/05031/2	15/05031/6	15/05031/7	15/05031/11	15/05031/13	15/05031/14	15/05031/16	15/05031/19	15/05031/24	15/05031/26	15/05031/31	15/05031/33	15/05031/35	15/05031/39	15/05031/44	15/05031/47	15/05031/51	15/05031/57	15/05031/58
												Client Sample No	3	10	3	3	3	6	15	3	7	3	11	3	3	6	3	3	3	12	3
												Client Sample ID	PC9TP01	PC9TP02	PC9TP03	PC9TP04	PC9TP05	PC9TP05	PC9TP05	TP2201	TP2202	TP2203	TP2204	XTP072	XTP073	XTP078	XTP089	XTP090	XTP091	XTP092	XTP093
												Depth to Top	0.00	1.00	0.00	0.00	0.00	0.50	1.50	0.00	0.50	0.00	1.00	0.00	0.00	0.50	0.20	0.00	0.20	2.00	0.00
												Depth to Bottom	0.18		0.20	0.25	0.20			0.30		0.30		0.25	0.20			0.20			0.30
												Date Sampled	25-Jul-15	25-Jul-15	25-Jul-15	25-Jul-15	24-Jul-15	24-Jul-15	24-Jul-15	25-Jul-15	23-Jul-15	24-Jul-15	27-Jul-15	27-Jul-15	26-Jul-15	27-Jul-15	28-Jul-15	27-Jul-15	28-Jul-15	25-Jul-15	27-Jul-15
												Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES
												Sample Matrix Code	4AE	4AE	4AE	4AE	4AE	4AE	5AE	4AE	5AE	6AE	5A	1AE	4AE	5AE	4AE	4AE	5AE	5AE	6AE
General Suite			-	-	-	-	-	-	-	-	-																				
% Stones >10mm	% w/w	A-T-044	-	-	-	-	<0.1	74.2	76	9	-		14	10.7	25.3	9	<0.1	15	74.2	10.7	7.8	<0.1	26.3	10.4	19.4	3.4	6.3	6	2	16.7	10.8
pH	pH	A-T-031s	-	-	-	-	5.55	9.72	76	0	-		6.17	6.87	6.6	6.15	5.89	7.45	7.95	5.79	6.47	5.62	8.02	6.27	6	6.73	5.84	6.27	6.15	6.86	6
Sulphate (water sol 2:1)	g/l	A-T-026s	-	-	-	-	<0.01	0.21	28	21	-							<0.01	<0.01												
Sulphur (total)	mg/kg	A-T-024s	-	-	-	-	<50	1030	28	6	-							152	<50												
Cyanide (free)	mg/kg	Subcon	-	-	-	-	<0.5	1.1	28	27	-							<0.5	<0.5												
Cyanide (total)	mg/kg	Subcon	-	-	-	-	<0.5	14	28	26	-							<0.5	<0.5												
Phenols - Total by HPLC	mg/kg	A-T-050s	-	-	760	760	<0.2	<0.2	28	28	-							<0.2	<0.2												
Sulphide	mg/kg	Subcon	-	-	-	-	<0.5	19	74	11	-		0.99	1.7	1.1	1	0.91	1.1	0.94	1.4	1.5	1.7	1.2	<0.50	1.5	1	<0.50	1.2	0.57	0.95	1
Organic matter	% w/w	A-T-032 OM	-	-	-	-	<0.1	24.3	76	2	-		4.5	0.6	3.3	2.2	2.7	1.9	<0.1	2.8	0.6	8.4	0.4	3.1	1.7	1.8	3.7	2.8	4.7	0.2	2.6
Antimony	mg/kg	A-T-024s	-	-	-	-	<5	<5	2	2	-																				
Arsenic	mg/kg	A-T-024s	640	170	640	170	<1	19	76	17	-		3	4	1	5	4	3	<1	5	10	14	3	4	3	4	4	6	7	4	5
Barium	mg/kg	A-T-024s	-	-	-	-	9	253	74	0	-		30	21	28	46	42	39	9	55	137	55	28	33	37	62	41	59	37	43	49
Beryllium	mg/kg	A-T-024s	-	-	12	63	<1	4	74	56	-		<1	<1	<1	1	<1	<1	<1	<1	1	1	<1	<1	1	<1	<1	<1	<1	1	<1
Boron (water soluble)	mg/kg	A-T-027s	-	-	240000	46000	<1	2.3	74	72	-		<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
Cadmium	mg/kg	A-T-024s	410	880	190	532	<0.5	1.2	74	72	-		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper	mg/kg	A-T-024s	-	-	68000	44000	5	2880	76	0	-		15	14	16	32	17	54	8	13	11	19	13	11	15	17	32	13	19	20	21
Chromium	mg/kg	A-T-024s	-	-	8600	33000	3	53	76	0	-		12	16	11	12	16	16	3	18	21	16	13	14	18	20	12	17	18	12	17
Chromium (hexavalent)	mg/kg	A-T-040s	49	250	33	220	<1	<1	76	76	-		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead	mg/kg	A-T-024s	2300	1300	-	-	2	969	76	0	-		12	11	14	15	16	25	2	16	10	38	7	31	12	15	26	14	19	7	14
Mercury	mg/kg	A-T-024s	-	-	1100	240	<0.17	0.52	74	72	-		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Nickel	mg/kg	A-T-024s	-	-	980	3400	3	263	76	0	-		9	15	11	13	12	14	3	14	20	10	14	9	15	14	7	12	13	16	13
Selenium	mg/kg	A-T-024s	-	-	12000	1800	<1	5	74	52	-		<1	<1	<1	2	1	<1	<1	<1	<1	2	<1	2	<1	<1	<1	<1	2	<1	2
Vanadium	mg/kg	A-T-024s	-	-	9000	5000	5	54	74	0	-		18	20	17	18	26	21	5	27	25	35	18	25	19	34	22	29	28	19	25
Zinc	mg/kg	A-T-024s	-	-	730000	170000	17	14600	76	0	-		38	37	46	46	55	130	17	44	35	30	39	56	34	54	36	51	38	38	50
PAH 16			-	-	-	-	-	-	-	-	-																				
Acenaphthene	mg/kg	A-T-019s	-	-	84000	29000	<0.01	1.16	22	16	-																				
Acenaphthylene	mg/kg	A-T-019s	-	-	83000	29000	<0.01	0.07	22	19	-																				
Anthracene	mg/kg	A-T-019s	-	-	520000	150000	<0.02	1.63	22	16	-																				
Benzo(a)anthracene	mg/kg	A-T-019s	-	-	170	49	<0.04	3.33	22	15	-																				
Benzo(a)pyrene	mg/kg	A-T-019s	77	21	35	11	<0.04	2.73	22	16	-																				
Benzo(b)fluoranthene	mg/kg	A-T-019s	-	-	44	13	<0.05	2.84	22	16	-																				
Benzo(ghi)perylene	mg/kg	A-T-019s	-	-	3900	1400	<0.05	1.91	22	18	-																				
Benzo(k)fluoranthene	mg/kg	A-T-019s	-	-	1200	370	<0.07	0.92	22	18	-																				
Chrysene	mg/kg	A-T-019s	-	-	350	93	<0.06	4.46	22	15	-																				
Dibenzo(ah)anthracene	mg/kg	A-T-019s	-	-	3.5	1.1	<0.04	0.52	22	19	-																				
Fluoranthene	mg/kg	A-T-019s	-	-	23000	6300	<0.08	4.01	22	15	-																				
Fluorene	mg/kg	A-T-019s	-	-	63000	20000	<0.01	0.72	22	17	-																				
Indeno(123-cd)pyrene	mg/kg	A-T-019s	-	-	500	150	<0.03	1.59	22	17	-																				
Naphthalene	mg/kg	A-T-019s	-	-	190	1200	<0.03	0.53	22	20	-																				
Phenanthrene	mg/kg	A-T-019s	-	-	22000	6200	<0.03	5.15	22	15	-																				
Pyrene	mg/kg	A-T-019s	-	-	54000	15000	<0.07	6.39	22	15	-																				
PAH (total 16)	mg/kg	A-T-019s	-	-	-	-	7.44	37.4	2	0	-																				
PAH-16 plus Coronene			-	-	-	-	-	-	-	-	-																				
Acenaphthene	mg/kg	A-T-019s	-	-	84000	29000	<0.01	0.02	54	53	-		<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthylene	mg/kg	A-T-019s	-	-	83000	29000	<0.01	<0.01	54	54	-		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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/kg	A-T-019s	-	-	520000	150000	<0.02	0.13	54	50	-		<0.02	<0.02	<0.02	<0.02	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene	mg/kg	A-T-019s	-	-	170	49	<0.04	0.13	54	49	-		0.08	<0.04	<0.04	<0.04	<0.04	0.13	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Benzo(a)pyrene	mg/kg	A-T-019s	77	21	35	11	<0.04	0.08	54	52	-		0.11	<0.08	<0.08	<0.08	<0.08	0.29	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
Benzo(b)fluoranthene	mg/kg	A-T-019s	-	-	44	13	<0.05	0.1	54	50	-		<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
Benzo(ghi)perylene	mg/kg	A-T-019s	-	-	3900	1400	<0.05	<0.05	54	54	-		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<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(k)fluoranthene	mg/kg	A-T-019s	-	-	1200	370	<0.07	0.07	54	53	-		<0.07	<0.07	<0.07	<0.07	<0.07	0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
Chrysene	mg/kg	A-T-019s	-	-	350	93	<0.06	0.14	54	49	-		0.06	<0.06	<0.06	<0.06	<0.06	0.14	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Coronene	mg/kg	A-T-019s	-	-	-	-	<0.01	0.34	74	73	-		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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/kg	A-T-019s	-	-	3.5	1.1	<0.04	<0.04	54	54	-		<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Fluoranthene	mg/kg	A-T-019s	-	-	23000	6300	<0.08	0.29	54	49	-		0.11	<0.08	<0.08	<0.08	<0.08	0.29	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
Fluorene	mg/kg	A-T-019s	-	-	63000	20000	<0.01	0.03	54	53	-		<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Indeno(123-cd)pyrene	mg/kg	A-T-019s	-	-	500	150	<0.03	0.05	54	52	-		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Naphthalene	mg/kg	A-T-019s	-	-	190	1200	<0.03	<0.03	54	54	-		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Phenanthrene	mg/kg	A-T-019s	-	-	22000	6200	<0.03	0.24	54	49	-		0.06	<0.03	<0.03	<0.03	<0.03	0.24	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Pyrene	mg/kg	A-T-019s	-	-	54000	15000	<0.07	0.22	54	49	-		0.16	<0.07	<0.07	<0.07	<0.07	0.22	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
PAH (total 17)	mg/kg	A-T-019s	-	-	-	-	<0.08	21.6	74	61	-		0.47	<0.08	<0.08	<0.08	<0.08	1.46	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
SVOC	µg/kg	A-T-052s	-	-	-	-	-	-	-	-	-																				
Hexachlorobenzene	µg/kg	A-T-052s	-	-	110000	30000	<100	<100	29	29	-							<100	<100										<100		
Diethyl phthalate	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
Dimethyl phthalate	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
Dibenzofuran	µg/kg	A-T-052s	-	-	-	-	<100	171	29	28	-							<100	<100										<100		
Carbazole	µg/kg	A-T-052s	-	-	-	-	<100	114	29	28	-							<100	<100										<100		
Butylbenzyl phthalate	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
Bis(2-ethylhexyl)phthalate	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
Bis(2-chloroethoxy)methane	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
Bis(2-chloroethyl)ether	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
4-Nitrophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
4-Methylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
4-Chloro-3-methylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
2-Nitrophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
2-Methylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
1,2,4-Trichlorobenzene	µg/kg	A-T-052s	-	-	220000	1700000	<100	<100	28	28	-							<100	<100												
2-Chlorophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
2,6-Dinitrotoluene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
2,4-Dinitrotoluene	µg/kg	A-T-052s	-	-	-	-	<100	151	29	28	-							<100	<100										<100		
2,4-Dimethylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
2,4-Dichlorophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
2,4,6-Trichlorophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
2,4,5-Trichlorophenol	µg/kg	A-T-052s	-	-			<100	<100	29	29	-							<100	<100										<100		
1,4-Dichlorobenzene	µg/kg	A-T-052s	-	-	4400000	36000000	<100	<100	28	28	-							<100	<100												
1,3-Dichlorobenzene	µg/kg	A-T-052s	-	-	30000	390000	<100	<100	28	28	-							<100	<100												
1,2-Dichlorobenzene	µg/kg	A-T-052s	-	-	2000000	24000000	<100	<100	28	28	-							<100	<100												
2-Chloronaphthalene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
2-Methylnaphthalene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
Acenaphthylene	µg/kg	A-T-052s	-	-	-	-	<100	115	28	27	-							<100	<100												
Acenaphthene	µg/kg	A-T-052s	-	-			<100	184	28	26	-							<100	<100												
Anthracene	µg/kg	A-T-052s	-	-	520000000	150000000	<100	640	28	27	-							<100	<100												
Benzo(a)anthracene	µg/kg	A-T-052s	-	-	170000	49000	<100	3850	28	26	-							<100	<100												
Benzo(b)fluoranthene	µg/kg	A-T-052s	-	-	44000	13000	<100	3000	28	26	-							<100	<100												
Benzo(k)fluoranthene	µg/kg	A-T-052s	-	-	1200000	370000	<100	2730	28	23	-							106	<100												
Benzo(a)pyrene	µg/kg	A-T-052s	770000	21000	35000	11000	<100	2920	28	23	-							187	<100												
Benzo(ghi)perylene	µg/kg	A-T-052s	-	-	3900000	1400000	<100	2180	28	26	-							<100	<100												
Chrysene	µg/kg	A-T-052s	-	-	350000	93000	<100	4670	28	25	-							<100	<100												
Fluoranthene	µg/kg	A-T-052s	-	-	23000000	6300000	<100	7650	28	24	-							<100	<100												
Fluorene	µg/kg	A-T-052s	-	-	63000000	20000000	<100	134	28	27	-							<100	<100												
Indeno(1,2,3-cd)pyrene	µg/kg	A-T-052s	-	-	500000	150000	<100	1910	28	25	-							<100	<100												
Phenanthrene	µg/kg	A-T-052s	-	-	22000000	6200000	<100	1090	28	26	-							<100	<100												
Pyrene	µg/kg	A-T-052s	-	-	54000000	15000000	<100	7550	28	24	-							<100	<100												
Naphthalene	µg/kg	A-T-052s	-	-	190000	1200000	<100	<100	28	28	-							<100	<100												
Dibenzo(ah)anthracene	µg/kg	A-T-052s	-	-	3500	1100	<100	1210	28	27	-							<100	<100												
Bis(2-chloroisopropyl)ether	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
2,4-Dinitrophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
4,6-Dinitro-2-methylphenol	µg/kg	A-T-052s	-	-			<100	<100	29	29	-							<100	<100										<100		
Phenol	µg/kg	A-T-052s	-	-	760000	760000	<100	<100	29	29	-							<100	<100										<100		
Pentachlorophenol	µg/kg	A-T-052s	-	-	400000	110000	<100	<100	29	29	-							<100	<100										<100		

Key
red/pink = exceedance of assessment criteria

Notes:
Reference should be made to the laboratory certificates for the original data. Reference should be made to the report text for further information or the generic assessment criteria used.

Sample Matrix Code	Units	Method	C4SL Commercial / Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial / Industrial (1970s office)	S4UL Public Space (park)	Min. Value	Max. Value	Total no. of results	No. of results <LOD	-																				
Lab Sample ID												15/05031/2	15/05031/6	15/05031/7	15/05031/11	15/05031/13	15/05031/14	15/05031/16	15/05031/19	15/05031/24	15/05031/26	15/05031/31	15/05031/33	15/05031/35	15/05031/39	15/05031/44	15/05031/47	15/05031/51	15/05031/57	15/05031/58	
Client Sample No												3	10	3	3	3	6	15	3	7	3	11	3	3	6	3	3	12	3		
Client Sample ID												PC9TP01	PC9TP02	PC9TP03	PC9TP04	PC9TP05	PC9TP05	PC9TP05	TP2201	TP2202	TP2203	TP2204	XTP072	XTP073	XTP078	XTP089	XTP090	XTP091	XTP092	XTP093	
Depth to Top												0.00	1.00	0.00	0.00	0.00	0.50	1.50	0.00	0.50	0.00	1.00	0.00	0.00	0.50	0.20	0.00	0.20	2.00	0.00	
Depth to Bottom												0.18		0.20	0.25	0.20			0.30		0.30		0.25	0.20			0.20			0.30	
Date Sampled												25-Jul-15	25-Jul-15	25-Jul-15	25-Jul-15	24-Jul-15	24-Jul-15	24-Jul-15	25-Jul-15	23-Jul-15	24-Jul-15	27-Jul-15	27-Jul-15	26-Jul-15	27-Jul-15	28-Jul-15	27-Jul-15	28-Jul-15	25-Jul-15	27-Jul-15	
Sample Type												Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	
Sample Matrix Code												4AE	4AE	4AE	4AE	4AE	4AE	5AE	4AE	5AE	6AE	5A	1AE	4AE	5AE	4AE	4AE	5AE	5AE	6AE	
n-Nitroso-n-dipropylamine	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
n-Dioctylphthalate	µg/kg	A-T-052s	-	-	-	-	<100	414	29	25	-							136	103										<100		
n-Dibutylphthalate	µg/kg	A-T-052s	-	-	-	-	<100	1160	29	28	-							<100	<100										<100		
Nitrobenzene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
Isophorone	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
Hexachloroethane	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
Hexachlorocyclopentadiene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	-							<100	<100										<100		
Hexachlorobutadiene	µg/kg	A-T-052s	-	-	-	-	<100	<100	28	28	-							<100	<100												
Perylene			-	-	-	-	<100	1730	29	27	-							<100	<100										<100		
VOC	µg/kg	A-T-006s	-	-	-	-	-	-	-	-	-																				
Dichlorodifluoromethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
Chloromethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
Vinyl Chloride	µg/kg	A-T-006s	-	-	59	4800	<1	<1	29	29	-							<1	<1										<1		
Bromomethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
Chloroethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
Trichlorofluoromethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
1,1-Dichloroethene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
Carbon Dsulphide	µg/kg	A-T-006s	-	-	11000	1300000	<1	1	29	28	-							<1	<1										<1		
Dichloromethane	µg/kg	A-T-006s	-	-	-	-	<5	<5	29	29	-							<5	<5										<5		
trans 1,2-Dichloroethene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
1,1-Dichloroethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
cis 1,2-Dichloroethene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
2,2-Dichloropropane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
Bromochloromethane	µg/kg	A-T-006s	-	-	-	-	<5	<5	29	29	-							<5	<5										<5		
Chloroform	µg/kg	A-T-006s	-	-	99000	2600000	<1	<25	29	29	-							<25	<25										<1		
1,1,1-Trichloroethane	µg/kg	A-T-006s	-	-	660000	57000000	<1	<1	29	29	-							<1	<1										<1		
1,1-Dichloropropene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
Carbon Tetrachloride	µg/kg	A-T-006s	-	-	2900	190000	<1	<1	29	29	-							<1	<1										<1		
1,2-Dichloroethane	µg/kg	A-T-006s	-	-	670	21000	<2	<2	29	29	-							<2	<2										<2		
Benzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
Trichloroethene	µg/kg	A-T-006s	-	-	1200	70000	<1	<1	29	29	-							<1	<1										<1		
1,2-Dichloropropane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
Dibromomethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
Bromodichloromethane	µg/kg	A-T-006s	-	-	-	-	<10	<10	29	29	-							<10	<10										<10		
cis 1,3-Dichloropropene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
Toluene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
trans 1,3-Dichloropropene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
1,1,2-Trichloroethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
1,3-Dichloropropane	µg/kg	A-T-006s	-	-			<1	<1	29	29	-							<1	<1										<1		
Tetrachloroethene	µg/kg	A-T-006s	-	-	19000	810000	<1	<1	29	29	-							<1	<1										<1		
Dibromochloromethane	µg/kg	A-T-006s	-	-	-	-	<3	<3	29	29	-							<3	<3										<3		
1,2-Dibromoethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
Chlorobenzene	µg/kg	A-T-006s	-	-	56000	1300000	<1	<1	29	29	-							<1	<1										<1		
1,1,1,2-Tetrachloroethane	µg/kg	A-T-006s	-	-	110000	1500000	<1	<1	29	29	-							<1	<1										<1		
Ethylbenzene	µg/kg	A-T-006s	-	-	5700000	17000000	<1	2	29	27	-							<1	<1										<1		
m & p Xylene	µg/kg	A-T-006s	-	-	-	-	<1	6	29	24	-							<1	<1										<1		
o-Xylene	µg/kg	A-T-006s	-	-	6600000	17000000	<1	2	29	26	-							<1	<1										<1		
Styrene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
Bromoform	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
Isopropylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
1,1,2,2-Tetrachloroethane	µg/kg	A-T-006s	-	-	270000	1800000	<1	<1	29	29	-							<1	<1										<1		
1,2,3-Trichloropropane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
Bromobenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
n-Propylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
2-Chlorotoluene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
1,3,5-Trimethylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
4-Chlorotoluene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
tert-Butylbenzene	µg/kg	A-T-006s	-	-	-	-	<2	<2	29	29	-							<2	<2										<2		
1,2,4-Trimethylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
sec-Butylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
4-Isopropyltoluene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
1,3-Dichlorobenzene	µg/kg	A-T-006s	-	-	30000	390000	<1	<1	29	29	-							<1	<1										<1		
1,4-Dichlorobenzene	µg/kg	A-T-006s	-	-	4400000	36000000	<1	<1	29	29	-							<1	<1										<1		
n-Butylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
1,2-Dichlorobenzene	µg/kg	A-T-006s	-	-	2000000	24000000	<1	<1	29	29	-							<1	<1										<1		
1,2-Dibromo-3-chloropropane	µg/kg	A-T-006s	-	-	-	-	<2	<2	29	29	-							<2	<2										<2		
1,2,4-Trichlorobenzene	µg/kg	A-T-006s	-	-	220000	1700000	<3	<3	29	29	-							<3	<3										<3		
Hexachlorobutadiene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	-							<1	<1										<1		
1,2,3-Trichlorobenzene			-	-	-	-	<3	<3	29	29	-							<3	<3										<3		
TPH CWG			-	-	-	-	-	-	-	-	-																				
Ali >C5-C6	mg/kg	A-T-022s	-	-	3200	95000	<0.01	3.21	74	67	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	
Ali >C6-C8	mg/kg	A-T-022s	-	-	7800	150000	<0.01	<0.01	74	74	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Ali >C8-C10	mg/kg	A-T-023s	-	-	2000	14000	<0.01	0.01	74	72	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Ali >C10-C12	mg/kg	A-T-023s	-	-	9700	21000	<0.1	<0.1	74	74	-	<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	
Ali >C12-C16	mg/kg	A-T-023s	-	-	59000	25000	<0.1	4.2	74	72	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	4.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Ali >C16-C21	mg/kg	A-T-023s	-	-	1600000	450000	<0.1	10.4	74	72	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	10.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Ali >C21-C35	mg/kg	A-T-022+23s	-	-	1600000	450000	<0.1	29.4	74	72	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	24.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Total Aliphatics	mg/kg	A-T-022s	-	-			<0.1	39.2	74	69	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	39.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Aro >C5-C7	mg/kg	A-T-022s	-	-	26000	76000	<0.01	<0.01	74	74	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Aro >C7-C8	mg/kg	A-T-022s	-	-	56000	87000	<0.01	<0.01	74	74	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Aro >C8-C9	mg/kg	A-T-022s	-	-	3500	7200	<0.01	0.02	74	71	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Aro >C9-C10	mg/kg	A-T-023s	-	-	3500	7200	<0.01	0.01	74	73	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Aro >C10-C12	mg/kg	A-T-023s	-	-	16000	9200	<0.1	0.3	74	73	-	<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	
Aro >C12-C16	mg/kg	A-T-023s	-	-	36000	10000	<0.1	2	74	71	-	<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	
Aro >C16-C21	mg/kg	A-T-023s	-	-	28000	7600	<0.1	36.3	74	69	-	<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	
Aro >C21-C35	mg/kg	A-T-022+23s	-	-	28000	7800	<0.1	124	74	70	-	<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	
Total Aromatics	mg/kg	A-T-022+23s	-	-			<0.1	162	74	69	-	<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	
TPH (Ali & Aro)	mg/kg	A-T-022s	-	-	-	-	<0.1	198	74	65	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	39.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
BTEX - Benzene	mg/kg	A-T-022s	98	230	27	90	<0.01	<0.01	74	74	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
BTEX - Toluene	mg/kg	A-T-022s	-	-	56000	87000	<0.01	<0.01	74	74	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
BTEX - Ethyl Benzene	mg/kg	A-T-022s	-	-	5700	17000	<0.01	<0.01	74	74	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
BTEX - m & p Xylene	mg/kg	A-T-022s	-	-	6200	17000	<0.01	0.01	74	73	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
BTEX - o Xylene	mg/kg	A-T-022s	-	-	6600	17000	<0.01	<0.01	74	74	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
MTBE			-	-	-	-	<0.01	1.92	74	72	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	

Key
red/pink = exceedance of assessment criteria

Notes:
Reference should be made to the laboratory certificates for the original data. Reference should be made to the report text for further information or the generic assessment criteria used.

Sample Matrix Code	Units	Method	C4SL Commercial / Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial / Industrial (1970s office)	S4UL Public Space (park)	Min. Value	Max. Value	Total no. of results	No. of results <LOD	15/05031/63	15/05031/68	15/05031/72	15/05031/74	15/05031/75	15/05031/79	15/05031/82	15/05031/86	15/05031/89	15/05031/93	15/05031/98	15/05031/100	15/05304/2	15/05304/5	15/05304/7	15/05304/11	15/05304/19	15/05304/23	15/05304/27	15/05304/32	15/05304/36
											6	9	11	3	6	6	3	3	3	5	8	5	8	6	3	3	12	3	8	11	7
											XTP094	XTP095	XTP096	XTP098	XTP098	XTP101	XTP102	XTP104	XTP107	BH2201A	BH2203	BH2204	PC11HP01	PC11HP02	PC11HP03	PC11HP04	PC7BH01	PC7BH02	PC7TP01	PC7TP02	PC7TP03
											0.50	1.00	1.00	0.00	0.50	0.50	0.00	0.00	0.00	0.50	1.00	1.00	0.50	0.50	0.00	0.00	1.20	0.00	0.50	1.00	0.50
														0.30			0.25	0.20	0.30						0.20	0.20		0.25			
											28-Jul-15	26-Jul-15	26-Jul-15	26-Jul-15	26-Jul-15	28-Jul-15	28-Jul-15	26-Jul-15	27-Jul-15	27-Jul-15	26-Jul-15	25-Jul-15	05-Aug-15	05-Aug-15	05-Aug-15	05-Aug-15	05-Aug-15	05-Aug-15	06-Aug-15	05-Aug-15	05-Aug-15
											Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid
											5AE	6A	5A	6AE	6AE	5AE	5AE	4AE	4AE	4AE	6A	6	5AE	6AE	6E	4AE	4AE	4AE	5AE	6A	7
General Suite			-	-	-	-	-	-	-	-																					
% Stones >10mm	% w/w	A-T-044	-	-	-	-	<0.1	74.2	76	9	20.9	4.9	10	9.2	25.3	5.6	11	8.1	14.1	<0.1	<0.1	<0.1	43.9	32.7	<0.1	13	13.8	2.3	<0.1	8.7	<0.1
pH	pH	A-T-031s	-	-	-	-	5.55	9.72	76	0	6.82	6.82	6.13	8.16	7.95	6.78	6.21	6.32	6	6.07	6.87	5.66	8.14	7.77	7.64	6.16	8.42	6.42	8.2	6.94	9.72
Sulphate (water sol 2:1)	g/l	A-T-026s	-	-	-	-	<0.01	0.21	28	21				<0.01	0.02									<0.01		<0.01	<0.01		<0.01		
Sulphur (total)	mg/kg	A-T-024s	-	-	-	-	<50	1030	28	6				188	211									232		268	64		324		
Cyanide (free)	mg/kg	Subcon	-	-	-	-	<0.5	1.1	28	27				<0.5	<0.5									<0.5		<0.5	<0.5		<0.5		
Cyanide (total)	mg/kg	Subcon	-	-	-	-	<0.5	14	28	26				<0.5	<0.5									<0.5		<0.5	<0.5		<0.5		
Phenols - Total by HPLC	mg/kg	A-T-050s	-	-	760	760	<0.2	<0.2	28	28				<0.2	<0.2									<0.2		<0.2	<0.2		<0.2		
Sulphide	mg/kg	Subcon	-	-	-	-	<0.5	19	74	11	0.75	0.78	0.83	1	0.98	0.51	<0.50	1.1	0.91	8.2	2.2	2.9	4.5	0.55	1	0.67	1.7	1.4	19	0.67	6.6
Organic matter	% w/w	A-T-032 OM	-	-	-	-	<0.1	24.3	76	2	0.4	0.3	0.3	2.4	2.8	0.5	2.8	4.1	1.7	2	0.2	24.3	0.7	2	8.9	5.3	0.8	2.1	3.1	0.5	<0.1
Antimony	mg/kg	A-T-024s	-	-	-	-	<5	<5	2	2																					
Arsenic	mg/kg	A-T-024s	640	170	640	170	<1	19	76	17	2	4	5	4	3	6	6	5	6	3	3	4	<1	<1	2	<1	<1	4	19	8	<1
Barium	mg/kg	A-T-024s	-	-	-	-	9	253	74	0	41	36	18	105	59	28	35	51	28	80	65	185	18	45	41	28	31	39	253	17	25
Beryllium	mg/kg	A-T-024s	-	-	12	63	<1	4	74	56	1	1	<1	1	<1	1	<1	<1	<1	<1	1	1	<1	<1	<1	<1	<1	<1	4	<1	<1
Boron (water soluble)	mg/kg	A-T-027s	-	-	240000	46000	<1	2.3	74	72	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.3	<1.0	<1.0
Cadmium	mg/kg	A-T-024s	410	880	190	532	<0.5	1.2	74	72	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5
Copper	mg/kg	A-T-024s	-	-	68000	44000	5	2880	76	0	17	20	20	20	13	21	15	20	21	11	29	49	5	17	17	24	44	8	2880	28	11
Chromium	mg/kg	A-T-024s	-	-	8600	33000	3	53	76	0	12	14	13	16	11	15	15	13	17	20	14	22	8	24	15	16	11	13	53	26	16
Chromium (hexavalent)	mg/kg	A-T-040s	49	250	33	220	<1	<1	76	76	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead	mg/kg	A-T-024s	2300	1300	-	-	2	969	76	0	6	7	6	18	16	9	42	83	9	13	9	8	7	24	22	15	16	10	969	10	6
Mercury	mg/kg	A-T-024s	-	-	1100	240	<0.17	0.52	74	72	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	0.23
Nickel	mg/kg	A-T-024s	-	-	980	3400	3	263	76	0	15	16	13	15	10	16	11	10	15	15	19	17	8	18	11	12	16	10	263	24	17
Selenium	mg/kg	A-T-024s	-	-	12000	1800	<1	5	74	52	<1	<1	<1	2	1	2	<1	<1	2	2	<1	5	<1	1	2	2	<1	2	3	2	<1
Vanadium	mg/kg	A-T-024s	-	-	9000	5000	5	54	74	0	16	18	16	25	19	19	23	23	22	32	21	26	13	30	24	24	16	21	54	25	27
Zinc	mg/kg	A-T-024s	-	-	730000	170000	17	14600	76	0	36	38	34	61	46	42	42	58	46	43	50	42	49	92	63	69	170	53	14600	47	112
PAH 16			-	-	-	-	-	-	-	-																					
Acenaphthene	mg/kg	A-T-019s	-	-	84000	29000	<0.01	1.16	22	16													<0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
Acenaphthylene	mg/kg	A-T-019s	-	-	83000	29000	<0.01	0.07	22	19													<0.01	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07
Anthracene	mg/kg	A-T-019s	-	-	520000	150000	<0.02	1.63	22	16													<0.02	0.35	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.48
Benzo(a)anthracene	mg/kg	A-T-019s	-	-	170	49	<0.04	3.33	22	15													<0.04	1.9	0.07	<0.04	<0.04	<0.04	<0.04	<0.04	0.19
Benzo(a)pyrene	mg/kg	A-T-019s	77	21	35	11	<0.04	2.73	22	16													<0.04	1.88	0.05	<0.04	0.07	<0.04	<0.04	<0.04	0.12
Benzo(b)fluoranthene	mg/kg	A-T-019s	-	-	44	13	<0.05	2.84	22	16													<0.05	2.7	0.08	<0.05	0.07	<0.05	<0.05	<0.05	0.08
Benzo(ghi)perylene	mg/kg	A-T-019s	-	-	3900	1400	<0.05	1.91	22	18													<0.05	1.27	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	mg/kg	A-T-019s	-	-	1200	370	<0.07	0.92	22	18													<0.07	0.87	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.16
Chrysene	mg/kg	A-T-019s	-	-	350	93	<0.06	4.46	22	15													<0.06	2.12	0.09	<0.06	0.09	<0.06	<0.06	<0.06	0.37
Dibenzo(ah)anthracene	mg/kg	A-T-019s	-	-	3.5	1.1	<0.04	0.52	22	19													<0.04	0.26	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Fluoranthene	mg/kg	A-T-019s	-	-	23000	6300	<0.08	4.01	22	15													<0.08	4.01	0.13	<0.08	0.09	<0.08	<0.08	<0.08	0.76
Fluorene	mg/kg	A-T-019s	-	-	63000	20000	<0.01	0.72	22	17													<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.08
Indeno(123-cd)pyrene	mg/kg	A-T-019s	-	-	500	150	<0.03	1.59	22	17													<0.03	1.59	<0.03	<0.03	0.06	<0.03	<0.03	<0.03	0.05
Naphthalene	mg/kg	A-T-019s	-	-	190	1200	<0.03	0.53	22	20													<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Phenanthrene	mg/kg	A-T-019s	-	-	22000	6200	<0.03	5.15	22	15													<0.03	0.75	0.05	<0.03	0.03	<0.03	<0.03	<0.03	0.62
Pyrene	mg/kg	A-T-019s	-	-	54000	15000	<0.07	6.39	22	15													<0.07	3.38	0.12	<0.07	0.08	<0.07	<0.07	<0.07	0.53
PAH (total 16)	mg/kg	A-T-019s	-	-	-	-	7.44	37.4	2	0																					
PAH-16 plus Coronene			-	-	-	-	-	-	-	-																					
Acenaphthene	mg/kg	A-T-019s	-	-	84000	29000	<0.01	0.02	54	53	<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/kg	A-T-019s	-	-	83000	29000	<0.01	<0.01	54	54	<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/kg	A-T-019s	-	-	520000	150000	<0.02	0.13	54	50	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.02	<0.02	<0.02									
Benzo(a)anthracene	mg/kg	A-T-019s	-	-	170	49	<0.04	0.14	54	49	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04									
Benzo(a)pyrene	mg/kg	A-T-019s	77	21	35	11	<0.04	0.08	54	52	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04									
Benzo(b)fluoranthene	mg/kg	A-T-019s	-	-	44	13	<0.05	0.1	54	50	<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(ghi)perylene	mg/kg	A-T-019s	-	-	3900	1400	<0.05	<0.05	54	54	<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(k)fluoranthene	mg/kg	A-T-019s	-	-	1200	370	<0.07	0.07	54	53	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07									
Chrysene	mg/kg	A-T-019s	-	-	350	93	<0.06	0.14	54	49	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0.08	<0.06	<0.06	<0.06	<0.06									
Coronene	mg/kg	A-T-019s	-	-	-	-	<0.01	0.34	74	73	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.34	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenzo(ah)anthracene	mg/kg	A-T-019s	-	-	3.5	1.1	<0.04	<0.04	54	54	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04									
Fluoranthene	mg/kg	A-T-019s	-	-	23000	6300	<0.08	0.29	54	49	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	0.15	<0.08	<0.08	<0.08									
Fluorene	mg/kg	A-T-019s	-	-	63000	20000	<0.01	0.03	54	53	<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/kg	A-T-019s	-	-	500	150	<0.03	0.05	54	52	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03									
Naphthalene	mg/kg	A-T-019s	-	-	190	1200	<0.03	<0.03	54	54	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03									
Phenanthrene	mg/kg	A-T-019s	-	-	22000	6200	<0.03	0.24	54	49	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.08	<0.03	<0.03	<0.03	<0.03									
Pyrene	mg/kg	A-T-019s	-	-	54000	15000	<0.07	0.22	54	49	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.14	<0.07	<0.07	<0.07	<0.07									
PAH (total 17)	mg/kg	A-T-019s	-	-	-	-	<0.08	21.6	74	61	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	0.57	<0.08	<0.08	<0.08	<0.08	<0.08	21.6	0.59	<0.08	0.55	<0.08	<0.08	<0.08	3.52
SVOC	µg/kg	A-T-052s	-	-	-	-	-	-	-	-																					
Hexachlorobenzene	µg/kg	A-T-052s	-	-	110000	30000	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
Diethyl phthalate	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
Dimethyl phthalate	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
Dibenzofuran	µg/kg	A-T-052s	-	-	-	-	<100	171	29	28				<100	<100									<100		<100	<100		<100		
Carbazole	µg/kg	A-T-052s	-	-	-	-	<100	114	29	28				<100	<100									114		<100	<100		<100		
Butylbenzyl phthalate	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
Bis(2-ethylhexyl)phthalate	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
Bis(2-chloroethoxy)methane	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
Bis(2-chloroethyl)ether	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
4-Nitrophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
4-Methylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
4-Chloro-3-methylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
2-Nitrophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
2-Methylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
1,2,4-Trichlorobenzene	µg/kg	A-T-052s	-	-	220000	1700000	<100	<100	28	28				<100	<100									<100		<100	<100		<100		
2-Chlorophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
2,6-Dinitrotoluene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
2,4-Dinitrotoluene	µg/kg	A-T-052s	-	-	-	-	<100	151	29	28				<100	<100									151		<100	<100		<100		
2,4-Dimethylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
2,4-Dichlorophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
2,4,6-Trichlorophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
2,4,5-Trichlorophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
1,4-Dichlorobenzene	µg/kg	A-T-052s	-	-	4400000	36000000	<100	<100	28	28				<100	<100									<100		<100	<100		<100		
1,3-Dichlorobenzene	µg/kg	A-T-052s	-	-	30000	390000	<100	<100	28	28				<100	<100									<100		<100	<100		<100		
1,2-Dichlorobenzene	µg/kg	A-T-052s	-	-	2000000	24000000	<100	<100	28	28				<100	<100									<100		<100	<100		<100		
2-Chloronaphthalene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
2-Methylnaphthalene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
Acenaphthylene	µg/kg	A-T-052s	-	-	-	-	<100	115	28	27				<100	<100									115		<100	<100		<100		
Acenaphthene	µg/kg	A-T-052s	-	-	-	-	<100	184	28	26				<100	<100									119		<100	<100		<100		
Anthracene	µg/kg	A-T-052s	-	-	520000000	150000000	<100	640	28	27				<100	<100									640		<100	<100		<100		
Benzo(a)anthracene	µg/kg	A-T-052s	-	-	170000	49000	<100	3850	28	26				<100	<100									3850		<100	<100		<100		
Benzo(b)fluoranthene	µg/kg	A-T-052s	-	-	44000	13000	<100	3000	28	26				<100	<100									3000		<100	<100		<100		
Benzo(k)fluoranthene	µg/kg	A-T-052s	-	-	1200000	370000	<100	2730	28	23				128	<100									2730		<100	106		<100		
Benzo(a)pyrene	µg/kg	A-T-052s	770000	21000	35000	11000	<100	2920	28	23				172	<100									2920		<100	113		<100		
Benzo(ghi)perylene	µg/kg	A-T-052s	-	-	3900000	1400000	<100	2180	28	26				<100	<100									2180		<100	<100		<100		
Chrysene	µg/kg	A-T-052s	-	-	350000	93000	<100	4670	28	25				122	<100									4670		<100	<100		<100		
Fluoranthene	µg/kg	A-T-052s	-	-	23000000	6300000	<100	7650	28	24				<100	232									7650		<100	150		<100		
Fluorene	µg/kg	A-T-052s	-	-	63000000	20000000	<100	134	28	27				<100	<100									<100		<100	<100		<100		
Indeno(1,2,3-cd)pyrene	µg/kg	A-T-052s	-	-	500000	150000	<100	1910	28	25				<100	<100									1910		<100	118		<100		
Phenanthrene	µg/kg	A-T-052s	-	-	22000000	6200000	<100	1090	28	26				<100	<100									1090		<100	<100		<100		
Pyrene	µg/kg	A-T-052s	-	-	54000000	15000000	<100	7550	28	24				<100	162									7550		<100	129		<100		
Naphthalene	µg/kg	A-T-052s	-	-	190000	1200000	<100	<100	28	28				<100	<100									<100		<100	<100		<100		
Dibenzo(ah)anthracene	µg/kg	A-T-052s	-	-	3500	1100	<100	1210	28	27				<100	<100									1210		<100	<100		<100		
Bis(2-chloroisopropyl)ether	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
2,4-Dinitrophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
4,6-Dinitro-2-methylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
Phenol	µg/kg	A-T-052s	-	-	760000	760000	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
Pentachlorophenol	µg/kg	A-T-052s	-	-	400000	110000	<100	<100	29	29				<100	<100									<100		<100	<100		<100		

Key
red/pink = exceedance of assessment criteria

Notes:
Reference should be made to the laboratory certificates for the original data. Reference should be made to the report text for further information or the generic assessment criteria used.

Sample Matrix Code	Units	Method	C4SL Commercial / Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial / Industrial (1970s office)	S4UL Public Space (park)	Min. Value	Max. Value	Total no. of results	No. of results <LOD	15/05031/63	15/05031/68	15/05031/72	15/05031/74	15/05031/75	15/05031/79	15/05031/82	15/05031/86	15/05031/89	15/05031/93	15/05031/98	15/05031/100	15/05304/2	15/05304/5	15/05304/7	15/05304/11	15/05304/19	15/05304/23	15/05304/27	15/05304/32	15/05304/36
											6	9	11	3	6	6	3	3	3	5	8	5	8	6	3	3	12	3	8	11	7
											XTP094	XTP095	XTP096	XTP098	XTP098	XTP101	XTP102	XTP104	XTP107	BH2201A	BH2203	BH2204	PC11HP01	PC11HP02	PC11HP03	PC11HP04	PC7BH01	PC7BH02	PC7TP01	PC7TP02	PC7TP03
											0.50	1.00	1.00	0.00	0.50	0.50	0.00	0.00	0.00	0.50	1.00	1.00	0.50	0.50	0.00	0.00	1.20	0.00	0.50	1.00	0.50
														0.30			0.25	0.20	0.30						0.20	0.20		0.25			
											28-Jul-15	26-Jul-15	26-Jul-15	26-Jul-15	26-Jul-15	28-Jul-15	28-Jul-15	26-Jul-15	27-Jul-15	27-Jul-15	26-Jul-15	25-Jul-15	05-Aug-15	05-Aug-15	05-Aug-15	05-Aug-15	05-Aug-15	05-Aug-15	06-Aug-15	05-Aug-15	05-Aug-15
											Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid
											5AE	6A	5A	6AE	6AE	5AE	5AE	4AE	4AE	4AE	6A	6	5AE	6AE	6E	4AE	4AE	4AE	5AE	6A	7
n-Nitroso-n-dipropylamine	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
n-Dioctylphthalate	µg/kg	A-T-052s	-	-	-	-	<100	414	29	25				414	156									<100		<100	<100		<100		
n-Dibutylphthalate	µg/kg	A-T-052s	-	-	-	-	<100	1160	29	28				<100	1160									<100		<100	<100		<100		
Nitrobenzene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
Isophorone	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
Hexachloroethane	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
Hexachlorocyclopentadiene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29				<100	<100									<100		<100	<100		<100		
Hexachlorobutadiene	µg/kg	A-T-052s	-	-	-	-	<100	<100	28	28				<100	<100									<100		<100	<100		<100		
Perylene			-	-	-	-	<100	1730	29	27				<100	<100									1730		<100	<100		<100		
VOC	µg/kg	A-T-006s	-	-	-	-	-	-	-	-																					
Dichlorodifluoromethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Chloromethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Vinyl Chloride	µg/kg	A-T-006s	-	-	59	4800	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Bromomethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Chloroethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Trichlorofluoromethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
1,1-Dichloroethene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Carbon Disulphide	µg/kg	A-T-006s	-	-	11000	1300000	<1	1	29	28				<1	<1									<1		<1	<1		<1		
Dichloromethane	µg/kg	A-T-006s	-	-	-	-	<5	<5	29	29				<5	<5									<5		<5	<5		<5		
trans 1,2-Dichloroethene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
1,1-Dichloroethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
cis 1,2-Dichloroethene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
2,2-Dichloropropane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Bromochloromethane	µg/kg	A-T-006s	-	-	-	-	<5	<5	29	29				<5	<5									<5		<5	<5		<5		
Chloroform	µg/kg	A-T-006s	-	-	99000	2600000	<1	<25	29	29				<25	<25									<25		<25	<25		<25		
1,1,1-Trichloroethane	µg/kg	A-T-006s	-	-	660000	57000000	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
1,1-Dichloropropene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Carbon Tetrachloride	µg/kg	A-T-006s	-	-	2900	190000	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
1,2-Dichloroethane	µg/kg	A-T-006s	-	-	670	21000	<2	<2	29	29				<2	<2									<2		<2	<2		<2		
Benzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Trichloroethene	µg/kg	A-T-006s	-	-	1200	70000	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
1,2-Dichloropropane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Dibromomethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Bromodichloromethane	µg/kg	A-T-006s	-	-	-	-	<10	<10	29	29				<10	<10									<10		<10	<10		<10		
cis 1,3-Dichloropropene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Toluene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
trans 1,3-Dichloropropene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
1,1,2-Trichloroethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
1,3-Dichloropropane	µg/kg	A-T-006s	-	-			<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Tetrachloroethene	µg/kg	A-T-006s	-	-	19000	810000	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Dibromochloromethane	µg/kg	A-T-006s	-	-	-	-	<3	<3	29	29				<3	<3									<3		<3	<3		<3		
1,2-Dibromoethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Chlorobenzene	µg/kg	A-T-006s	-	-	56000	1300000	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
1,1,1,2-Tetrachloroethane	µg/kg	A-T-006s	-	-	110000	1500000	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Ethylbenzene	µg/kg	A-T-006s	-	-	5700000	17000000	<1	2	29	27				<1	<1									<1		<1	<1		<1		
m & p Xylene	µg/kg	A-T-006s	-	-	-	-	<1	6	29	24				<1	<1									<1		<1	<1		<1		
o-Xylene	µg/kg	A-T-006s	-	-	6600000	17000000	<1	2	29	26				<1	<1									<1		<1	<1		<1		
Styrene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Bromoform	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Isopropylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
1,1,2,2-Tetrachloroethane	µg/kg	A-T-006s	-	-	270000	1800000	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
1,2,3-Trichloropropane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
Bromobenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
n-Propylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
2-Chlorotoluene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
1,3,5-Trimethylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
4-Chlorotoluene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
tert-Butylbenzene	µg/kg	A-T-006s	-	-	-	-	<2	<2	29	29				<2	<2									<2		<2	<2		<2		
1,2,4-Trimethylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
sec-Butylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
4-Isopropyltoluene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
1,3-Dichlorobenzene	µg/kg	A-T-006s	-	-	30000	390000	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
1,4-Dichlorobenzene	µg/kg	A-T-006s	-	-	4400000	36000000	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
n-Butylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
1,2-Dichlorobenzene	µg/kg	A-T-006s	-	-	2000000	24000000	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
1,2-Dibromo-3-chloropropane	µg/kg	A-T-006s	-	-			<2	<2	29	29				<2	<2									<2		<2	<2		<2		
1,2,4-Trichlorobenzene	µg/kg	A-T-006s	-	-	220000	1700000	<3	<3	29	29				<3	<3									<3		<3	<3		<3		
Hexachlorobutadiene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29				<1	<1									<1		<1	<1		<1		
1,2,3-Trichlorobenzene			-	-	-	-	<3	<3	29	29				<3	<3									<3		<3	<3		<3		
TPH CWG			-	-	-	-	-	-	-	-																					
Ali >C5-C6	mg/kg	A-T-022s	-	-	3200	95000	<0.01	3.21	74	67	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ali >C6-C8	mg/kg	A-T-022s	-	-	7800	150000	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ali >C8-C10	mg/kg	A-T-023s	-	-	2000	14000	<0.01	0.01	74	72	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ali >C10-C12	mg/kg	A-T-023s	-	-	9700	21000	<0.1	<0.1	74	74	<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
Ali >C12-C16	mg/kg	A-T-023s	-	-	59000	25000	<0.1	4.2	74	72	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ali >C16-C21	mg/kg	A-T-023s	-	-	1600000	450000	<0.1	10.4	74	72	<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	5.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ali >C21-C35	mg/kg	A-T-022+23s	-	-	1600000	450000	<0.1	29.4	74	72	<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	29.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Aliphatics	mg/kg	A-T-022s	-	-	-	-	<0.1	39.2	74	69	<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	35.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aro >C5-C7	mg/kg	A-T-022s	-	-	26000	76000	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C7-C8	mg/kg	A-T-022s	-	-	56000	87000	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C8-C9	mg/kg	A-T-022s	-	-	3500	7200	<0.01	0.02	74	71	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C9-C10	mg/kg	A-T-023s	-	-	3500	7200	<0.01	0.01	74	73	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C10-C12	mg/kg	A-T-023s	-	-	16000	9200	<0.1	0.3	74	73	<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
Aro >C12-C16	mg/kg	A-T-023s	-	-	36000	10000	<0.1	2	74	71	<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	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aro >C16-C21	mg/kg	A-T-023s	-	-	28000	7600	<0.1	36.3	74	69	<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	36.3	<0.1	<0.1	0.5	<0.1	<0.1	<0.1	<0.1
Aro >C21-C35	mg/kg	A-T-022+23s	-	-	28000	7800	<0.1	124	74	70	<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	124	<0.1	<0.1	1.9	<0.1	<0.1	<0.1	<0.1
Total Aromatics	mg/kg	A-T-022+23s	-	-	-	-	<0.1	162	74	69	<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	162	<0.1	<0.1	2.5	<0.1	<0.1	<0.1	<0.1
TPH (Ali & Aro)	mg/kg	A-T-022s	-	-	-	-	<0.1	198	74	65	<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	198	<0.1	<0.1	2.5	<0.1	<0.1	<0.1	<0.1
BTEX - Benzene	mg/kg	A-T-022s	98	230	27	90	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - Toluene	mg/kg	A-T-022s	-	-	56000	87000	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - Ethyl Benzene	mg/kg	A-T-022s	-	-	5700	17000	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - m & p Xylene	mg/kg	A-T-022s	-	-	6200	17000	<0.01	0.01	74	73	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - o Xylene	mg/kg	A-T-022s	-	-	6600	17000	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MTBE			-	-	-	-	<0.01	1.92	74	72	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Key
red/pink = exceedance of assessment criteria

Notes:
Reference should be made to the laboratory certificates for the original data. Reference should be made to the report text for further information or the generic assessment criteria used.

Sample Matrix Code	Units	Method	C4SL Commercial / Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial / Industrial (1970s office)	S4UL Public Space (park)	Min. Value	Max. Value	Total no. of results	No. of results <LOD	15/05304/42	15/05304/47	15/05304/54	15/05304/59	15/05304/64	15/05304/66	15/05304/67	15/05304/69	15/05304/73	15/05304/76	15/05304/78	15/05304/81	15/05304/87	15/05152/1	15/05152/3	15/05152/8	15/05152/10	15/05152/13	15/05152/16	15/05152/21	15/05152/24
											7	3	11	6	7	3	3	6	3	3	11	3	3	3	11	6	12	8	3	6	3
											PC7TP04	PC7TP05	PC7TP06	PC7TP07	XTP067	XTP069A	XTP069B	XTP074	XTP076	XTP087	XTP087	XTP105	PC15TP02	PC15TP01	PC15TP01	PC7TP11	PC7TP11	TP2001	TP2002	TP2003	XTP069
											0.50	0.00	1.00	0.50	0.40	0.00	0.00	0.50	0.00	0.00	1.00	0.50	0.00	0.00	1.00	0.50	1.50	0.40	0.00	0.50	0.00
												0.20				0.20	0.20		0.25	0.20			0.20	0.25					0.30		0.3
											05-Aug-15	06-Aug-15	06-Aug-15	06-Aug-15	04-Aug-15	04-Aug-15	04-Aug-15	07-Aug-15	05-Aug-15	04-Aug-15	04-Aug-15	04-Aug-15	04-Aug-15	31-Jul-15	31-Jul-15	31-Jul-15	31-Jul-15	30-Jul-15	30-Jul-15	30-Jul-15	30-Jul-15
											Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES
											4AE	6AE	4AE	6A	4AE	6AE	6AE	6A	6AE	6AE	6A	5AE	6AE	4AE	1A	1A	4AE	4AE	5AE	1AE	4AE
General Suite			-	-	-	-	-	-	-	-																					
% Stones >10mm	% w/w	A-T-044	-	-	-	-	<0.1	74.2	76	9	24	13.9	47.8	32.6	11.5	7.4	10.9	4.8	8.8	17.7	12.9	13.6	35.8	19	28.9	23	44.3	17	2	12.6	19.4
pH	pH	A-T-031s	-	-	-	-	5.55	9.72	76	0	7.29	6.45	7.82	8.25	6.91	6.06	5.72	7.88	7.61	7.19	7.71	8.62	5.55	5.83	6.23	8.6	8.37	7.49	6.57	7.02	5.9
Sulphate (water sol 2:1)	g/l	A-T-026s	-	-	-	-	<0.01	0.21	28	21	<0.01			<0.01	<0.01				0.21			<0.01			<0.01	<0.01	0.01	<0.01			<0.01
Sulphur (total)	mg/kg	A-T-024s	-	-	-	-	<50	1030	28	6	110			<50	159				706			81			<50	340	173	175			213
Cyanide (free)	mg/kg	Subcon	-	-	-	-	<0.5	1.1	28	27	<0.5			<0.5	<0.5				<0.5			<0.5			<0.5	<0.5	<0.5	<0.5			<0.5
Cyanide (total)	mg/kg	Subcon	-	-	-	-	<0.5	14	28	26	<0.5			<0.5	<0.5				<0.5			<0.5			<0.5	<0.5	<0.5	<0.5			<0.5
Phenols - Total by HPLC	mg/kg	A-T-050s	-	-	760	760	<0.2	<0.2	28	28	<0.2			<0.2	<0.2				<0.2			<0.2			<0.2	<0.2	<0.2	<0.2			<0.2
Sulphide	mg/kg	Subcon	-	-	-	-	<0.5	19	74	11	1	1.2	0.86	1.2	0.81			2.1	4	1.3	1.2	17	1	<0.50	<0.50	<0.50	1.3	<0.50	1.4	0.94	0.89
Organic matter	% w/w	A-T-032 OM	-	-	-	-	<0.1	24.3	76	2	1.5	3	0.6	0.5	1.7	6.9	6.5	0.4	6	1.6	0.3	1.3	1.4	1.5	0.2	0.9	1.9	2.4	2.7	0.7	3.2
Antimony	mg/kg	A-T-024s	-	-	-	-	<5	<5	2	2						<5	<5														
Arsenic	mg/kg	A-T-024s	640	170	640	170	<1	19	76	17	2	3	<1	<1	3	3	4	2	4	<1	3	<1	<1	2	<1	3	2	10	6	3	2
Barium	mg/kg	A-T-024s	-	-	-	-	9	253	74	0	30	44	12	12	36			58	47	34	30	46	18	23	18	206	48	25	56	39	41
Beryllium	mg/kg	A-T-024s	-	-	12	63	<1	4	74	56	<1	<1	<1	<1	<1			1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron (water soluble)	mg/kg	A-T-027s	-	-	240000	46000	<1	2.3	74	72	<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
Cadmium	mg/kg	A-T-024s	410	880	190	532	<0.5	1.2	74	72	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper	mg/kg	A-T-024s	-	-	68000	44000	5	2880	76	0	21	14	15	19	21	27	15	15	19	24	69	206	13	18	23	18	20	29	15	8	19
Chromium	mg/kg	A-T-024s	-	-	8600	33000	3	53	76	0	11	20	5	7	16	13	11	20	15	14	13	12	8	11	7	9	8	12	14	16	12
Chromium (hexavalent)	mg/kg	A-T-040s	49	250	33	220	<1	<1	76	76	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead	mg/kg	A-T-024s	2300	1300	-	-	2	969	76	0	11	15	3	3	23	75	109	9	22	11	5	165	5	8	4	235	43	38	17	8	17
Mercury	mg/kg	A-T-024s	-	-	1100	240	<0.17	0.52	74	72	<0.17	<0.17	<0.17	<0.17	<0.17			<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	0.52	<0.17	<0.17	<0.17	<0.17	<0.17
Nickel	mg/kg	A-T-024s	-	-	980	3400	3	263	76	0	11	11	6	9	13	10	7	22	11	7	13	20	8	11	10	7	8	12	9	17	10
Selenium	mg/kg	A-T-024s	-	-	12000	1800	<1	5	74	52	<1	2	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1	<1
Vanadium	mg/kg	A-T-024s	-	-	9000	5000	5	54	74	0	21	25	9	11	23			24	24	23	23	15	13	16	12	14	12	20	25	17	22
Zinc	mg/kg	A-T-024s	-	-	730000	170000	17	14600	76	0	71	44	33	38	53	56	41	39	55	28	46	468	33	45	36	77	48	81	37	32	40
PAH 16			-	-	-	-	-	-	-	-																					
Acenaphthene	mg/kg	A-T-019s	-	-	84000	29000	<0.01	1.16	22	16	<0.01	<0.01	<0.01	<0.01	<0.01	0.11	1.16	<0.01	0.02	<0.01	<0.01	0.02	<0.01								
Acenaphthylene	mg/kg	A-T-019s	-	-	83000	29000	<0.01	0.07	22	19	<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								
Anthracene	mg/kg	A-T-019s	-	-	520000	150000	<0.02	1.63	22	16	<0.02	<0.02	<0.02	<0.02	<0.02	0.19	1.63	<0.02	0.02	<0.02	<0.02	0.03	<0.02								
Benzo(a)anthracene	mg/kg	A-T-019s	-	-	170	49	<0.04	3.33	22	15	<0.04	<0.04	<0.04	<0.04	<0.04	0.73	3.33	<0.04	0.05	<0.04	<0.04	0.05	<0.04								
Benzo(a)pyrene	mg/kg	A-T-019s	77	21	35	11	<0.04	2.73	22	16	<0.04	<0.04	<0.04	<0.04	<0.04	0.64	2.73	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04								
Benzo(b)fluoranthene	mg/kg	A-T-019s	-	-	44	13	<0.05	2.84	22	16	<0.05	<0.05	<0.05	<0.05	<0.05	0.79	2.84	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05								
Benzo(ghi)perylene	mg/kg	A-T-019s	-	-	3900	1400	<0.05	1.91	22	18	<0.05	<0.05	<0.05	<0.05	<0.05	0.42	1.91	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05								
Benzo(k)fluoranthene	mg/kg	A-T-019s	-	-	1200	370	<0.07	0.92	22	18	<0.07	<0.07	<0.07	<0.07	<0.07	0.29	0.92	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07								
Chrysene	mg/kg	A-T-019s	-	-	350	93	<0.06	4.46	22	15	<0.06	<0.06	<0.06	<0.06	<0.06	0.93	4.46	<0.06	<0.06	<0.06	<0.06	0.09	<0.06								
Dibenzo(ah)anthracene	mg/kg	A-T-019s	-	-	3.5	1.1	<0.04	0.52	22	19	<0.04	<0.04	<0.04	<0.04	<0.04	0.11	0.52	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04								
Fluoranthene	mg/kg	A-T-019s	-	-	23000	6300	<0.08	4.01	22	15	<0.08	<0.08	<0.08	<0.08	<0.08	0.94	3.6	<0.08	<0.08	<0.08	<0.08	0.1	<0.08								
Fluorene	mg/kg	A-T-019s	-	-	63000	20000	<0.01	0.72	22	17	<0.01	<0.01	<0.01	<0.01	<0.01	0.06	0.72	<0.01	0.01	<0.01	<0.01	<0.01	<0.01								
Indeno(123-cd)pyrene	mg/kg	A-T-019s	-	-	500	150	<0.03	1.59	22	17	<0.03	<0.03	<0.03	<0.03	<0.03	0.46	1.42	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03								
Naphthalene	mg/kg	A-T-019s	-	-	190	1200	<0.03	0.53	22	20	<0.03	<0.03	<0.03	<0.03	<0.03	0.06	0.53	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03								
Phenanthrene	mg/kg	A-T-019s	-	-	22000	6200	<0.03	5.15	22	15	<0.03	<0.03	<0.03	<0.03	<0.03	0.59	5.15	<0.03	0.06	<0.03	<0.03	0.08	<0.03								
Pyrene	mg/kg	A-T-019s	-	-	54000	15000	<0.07	6.39	22	15	<0.07	<0.07	<0.07	<0.07	<0.07	1.11	6.39	<0.07	<0.07	<0.07	<0.07	0.08	<0.07								
PAH (total 16)	mg/kg	A-T-019s	-	-	-	-	7.44	37.4	2	0						7.44	37.4														
PAH-16 plus Coronene			-	-	-	-	-	-	-	-																					
Acenaphthene	mg/kg	A-T-019s	-	-	84000	29000	<0.01	0.02	54	53														<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthylene	mg/kg	A-T-019s	-	-	83000	29000	<0.01	<0.01	54	54														<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	mg/kg	A-T-019s	-	-	520000	150000	<0.02	0.13	54	50														<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene	mg/kg	A-T-019s	-	-	170	49	<0.04	0.13	54	49														<0.04	<0.04	0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Benzo(a)pyrene	mg/kg	A-T-019s	77	21	35	11	<0.04	0.08	54	54														<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Benzo(b)fluoranthene	mg/kg	A-T-019s	-	-	44	13	<0.05	0.1	54	50														<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(ghi)perylene	mg/kg	A-T-019s	-	-	3900	1400	<0.05	<0.05	54	54														<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	mg/kg	A-T-019s	-	-	1200	370	<0.07	0.07	54	53														<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
Chrysene	mg/kg	A-T-019s	-	-	350	93	<0.06	0.14	54	49														<0.06	<0.06	0.07	<0.06	<0.06	<0.06	<0.06	<0.06
Coronene	mg/kg	A-T-019s	-	-	-	-	<0.01	0.34	74	73	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<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/kg	A-T-019s	-	-	3.5	1.1	<0.04	<0.04	54	54														<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Fluoranthene	mg/kg	A-T-019s	-	-	23000	6300	<0.08	0.29	54	49														<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
Fluorene	mg/kg	A-T-019s	-	-	63000	20000	<0.01	0.03	54	53														<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Indeno(123-cd)pyrene	mg/kg	A-T-019s	-	-	500	150	<0.03	0.05	54	52														<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Naphthalene	mg/kg	A-T-019s	-	-	190	1200	<0.03	<0.03	54	54														<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Phenanthrene	mg/kg	A-T-019s	-	-	22000	6200	<0.03	0.24	54	49														<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Pyrene	mg/kg	A-T-019s	-	-	54000	15000	<0.07	0.22	54	49														<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
PAH (total 17)	mg/kg	A-T-019s	-	-	-	-	<0.08	21.6	74	61	<0.08	<0.08	<0.08	<0.08	<0.08			<0.08	0.18	<0.08	<0.08	0.45	<0.08	<0.08	<0.08	0.15	<0.08	<0.08	<0.08	<0.08	<0.08
SVOC	µg/kg	A-T-052s	-	-	-	-	-	-	-	-																					
Hexachlorobenzene	µg/kg	A-T-052s	-	-	110000	30000	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
Diethyl phthalate	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
Dimethyl phthalate	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
Dibenzofuran	µg/kg	A-T-052s	-	-	-	-	<100	171	29	28	<100			<100	<100				<100			171			<100	<100	<100	<100	<100			<100
Carbazole	µg/kg	A-T-052s	-	-	-	-	<100	114	29	28	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
Butylbenzyl phthalate	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
Bis(2-ethylhexyl)phthalate	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
Bis(2-chloroethoxy)methane	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
Bis(2-chloroethyl)ether	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
4-Nitrophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
4-Methylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
4-Chloro-3-methylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
2-Nitrophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
2-Methylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
1,2,4-Trichlorobenzene	µg/kg	A-T-052s	-	-	220000	1700000	<100	<100	28	28	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
2-Chlorophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
2,6-Dinitrotoluene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
2,4-Dinitrotoluene	µg/kg	A-T-052s	-	-	-	-	<100	151	29	28	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
2,4-Dimethylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
2,4-Dichlorophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
2,4,6-Trichlorophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
2,4,5-Trichlorophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
1,4-Dichlorobenzene	µg/kg	A-T-052s	-	-	4400000	36000000	<100	<100	28	28	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
1,3-Dichlorobenzene	µg/kg	A-T-052s	-	-	30000	390000	<100	<100	28	28	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
1,2-Dichlorobenzene	µg/kg	A-T-052s	-	-	2000000	24000000	<100	<100	28	28	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
2-Chloronaphthalene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
2-Methylnaphthalene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
Acenaphthylene	µg/kg	A-T-052s	-	-	-	-	<100	115	28	27	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
Acenaphthene	µg/kg	A-T-052s	-	-	-	-	<100	184	28	26	<100			<100	<100				<100			184			<100	<100	<100	<100	<100			<100
Anthracene	µg/kg	A-T-052s	-	-	520000000	150000000	<100	640	28	27	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
Benzo(a)anthracene	µg/kg	A-T-052s	-	-	170000	49000	<100	3850	28	26	<100			<100	<100				<100			420			<100	<100	<100	<100	<100			<100
Benzo(b)fluoranthene	µg/kg	A-T-052s	-	-	44000	13000	<100	3000	28	26	<100			<100	<100				<100			354			<100	<100	<100	<100	<100			<100
Benzo(k)fluoranthene	µg/kg	A-T-052s	-	-	1200000	370000	<100	2730	28	23	<100			<100	<100				<100			456			<100	<100	<100	<100	<100			<100
Benzo(a)pyrene	µg/kg	A-T-052s	770000	21000	35000	11000	<100	2920	28	23	<100			<100	<100				<100			444			<100	<100	<100	<100	<100			<100
Benzo(ghi)perylene	µg/kg	A-T-052s	-	-	3900000	1400000	<100	2180	28	26	<100			<100	<100				<100			233			<100	<100	<100	<100	<100			<100
Chrysene	µg/kg	A-T-052s	-	-	350000	93000	<100	4670	28	25	<100			<100	<100				<100			519			<100	<100	<100	<100	<100			<100
Fluoranthene	µg/kg	A-T-052s	-	-	23000000	6300000	<100	7650	28	24	<100			<100	<100				<100			1140			<100	<100	<100	<100	<100			<100
Fluorene	µg/kg	A-T-052s	-	-	63000000	20000000	<100	134	28	27	<100			<100	<100				<100			134			<100	<100	<100	<100	<100			<100
Indeno(1,2,3-cd)pyrene	µg/kg	A-T-052s	-	-	500000	150000	<100	1910	28	25	<100			<100	<100				<100			338			<100	<100	<100	<100	<100			<100
Phenanthrene	µg/kg	A-T-052s	-	-	22000000	6200000	<100	1090	28	26	<100			<100	<100				<100			1040			<100	<100	<100	<100	<100			<100
Pyrene	µg/kg	A-T-052s	-	-	54000000	15000000	<100	7550	28	24	<100			<100	<100				<100			884			<100	<100	<100	<100	<100			<100
Naphthalene	µg/kg	A-T-052s	-	-	190000	1200000	<100	<100	28	28	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
Dibenzo(ah)anthracene	µg/kg	A-T-052s	-	-	3500	1100	<100	1210	28	27	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
Bis(2-chloroisopropyl)ether	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
2,4-Dinitrophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
4,6-Dinitro-2-methylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
Phenol	µg/kg	A-T-052s	-	-	760000	760000	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100
Pentachlorophenol	µg/kg	A-T-052s	-	-	400000	110000	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100	<100			<100

Key
red/pink = exceedance of assessment criteria

Notes:
Reference should be made to the laboratory certificates for the original data. Reference should be made to the report text for further information or the generic assessment criteria used.

Sample Matrix Code	Units	Method	C4SL Commercial / Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial / Industrial (1970s office)	S4UL Public Space (park)	Min. Value	Max. Value	Total no. of results	No. of results <LOD	15/05304/42	15/05304/47	15/05304/54	15/05304/59	15/05304/64	15/05304/66	15/05304/67	15/05304/69	15/05304/73	15/05304/76	15/05304/78	15/05304/81	15/05304/87	15/05152/1	15/05152/3	15/05152/8	15/05152/10	15/05152/13	15/05152/16	15/05152/21	15/05152/24
											7	3	11	6	7	3	3	6	3	3	11	6	3	3	6	12	8	3	6	3
											PC7TP04	PC7TP05	PC7TP06	PC7TP07	XTP067	XTP069A	XTP069B	XTP074	XTP076	XTP087	XTP087	XTP105	PC15TP02	PC15TP01	PC15TP01	PC7TP11	PC7TP11	TP2001	TP2002	TP2003	XTP069
											0.50	0.00	1.00	0.50	0.40	0.00	0.00	0.50	0.00	0.00	1.00	0.50	0.00	0.00	1.00	0.50	1.50	0.40	0.00	0.50	0.00
												0.20				0.20	0.20		0.25	0.20			0.20	0.25					0.30		0.3
											05-Aug-15	06-Aug-15	06-Aug-15	06-Aug-15	04-Aug-15	04-Aug-15	04-Aug-15	07-Aug-15	05-Aug-15	04-Aug-15	04-Aug-15	04-Aug-15	04-Aug-15	31-Jul-15	31-Jul-15	31-Jul-15	31-Jul-15	30-Jul-15	30-Jul-15	30-Jul-15	30-Jul-15
											Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES
											4AE	6AE	4AE	6A	4AE	6AE	6AE	6A	6AE	6AE	6A	5AE	6AE	4AE	1A	1A	4AE	4AE	5AE	1AE	4AE
n-Nitroso-n-dipropylamine	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100			<100
n-Dioctylphthalate	µg/kg	A-T-052s	-	-	-	-	<100	414	29	25	<100			<100	<100				<100			<100			<100	<100	<100	<100			<100
n-Dibutylphthalate	µg/kg	A-T-052s	-	-	-	-	<100	1160	29	28	<100			<100	<100				<100			<100			<100	<100	<100	<100			<100
Nitrobenzene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100			<100
Isophorone	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100			<100
Hexachloroethane	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100			<100
Hexachlorocyclopentadiene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29	<100			<100	<100				<100			<100			<100	<100	<100	<100			<100
Hexachlorobutadiene	µg/kg	A-T-052s	-	-	-	-	<100	<100	28	28	<100			<100	<100				<100			<100			<100	<100	<100	<100			<100
Perylene			-	-	-	-	<100	1730	29	27	<100			<100	<100				<100			108			<100	<100	<100	<100			<100
VOC	µg/kg	A-T-006s	-	-	-	-	-	-	-	-																					
Dichlorodifluoromethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Chloromethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Vinyl Chloride	µg/kg	A-T-006s	-	-	59	4800	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Bromomethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Chloroethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Trichlorofluoromethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
1,1-Dichloroethene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Carbon Disulphide	µg/kg	A-T-006s	-	-	11000	1300000	<1	1	29	28	<1			<1	<1				<1			<1			<1	<1	<1	1			<1
Dichloromethane	µg/kg	A-T-006s	-	-	-	-	<5	<5	29	29	<5			<5	<5				<5			<5			<5	<5	<5	<5			<5
trans 1,2-Dichloroethene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
1,1-Dichloroethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
cis 1,2-Dichloroethene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
2,2-Dichloropropane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Bromochloromethane	µg/kg	A-T-006s	-	-	-	-	<5	<5	29	29	<5			<5	<5				<5			<5			<5	<5	<5	<5			<5
Chloroform	µg/kg	A-T-006s	-	-	99000	2600000	<1	<25	29	29	<25			<25	<25				<25			<25			<25	<25	<25	<25			<25
1,1,1-Trichloroethane	µg/kg	A-T-006s	-	-	660000	57000000	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
1,1-Dichloropropene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Carbon Tetrachloride	µg/kg	A-T-006s	-	-	2900	190000	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
1,2-Dichloroethane	µg/kg	A-T-006s	-	-	670	21000	<2	<2	29	29	<2			<2	<2				<2			<2			<2	<2	<2	<2			<2
Benzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Trichloroethene	µg/kg	A-T-006s	-	-	1200	70000	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
1,2-Dichloropropane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Dibromomethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Bromodichloromethane	µg/kg	A-T-006s	-	-	-	-	<10	<10	29	29	<10			<10	<10				<10			<10			<10	<10	<10	<10			<10
cis 1,3-Dichloropropene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Toluene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
trans 1,3-Dichloropropene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
1,1,2-Trichloroethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
1,3-Dichloropropane	µg/kg	A-T-006s	-	-			<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Tetrachloroethene	µg/kg	A-T-006s	-	-	19000	810000	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Dibromochloromethane	µg/kg	A-T-006s	-	-			<3	<3	29	29	<3			<3	<3				<3			<3			<3	<3	<3	<3			<3
1,2-Dibromoethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Chlorobenzene	µg/kg	A-T-006s	-	-	56000	1300000	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
1,1,1,2-Tetrachloroethane	µg/kg	A-T-006s	-	-	110000	1500000	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Ethylbenzene	µg/kg	A-T-006s	-	-	5700000	17000000	<1	2	29	27	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
m & p Xylene	µg/kg	A-T-006s	-	-	-	-	<1	6	29	24	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
o-Xylene	µg/kg	A-T-006s	-	-	6600000	17000000	<1	2	29	26	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Styrene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Bromoform	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Isopropylbenzene	µg/kg	A-T-006s	-	-			<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
1,1,2,2-Tetrachloroethane	µg/kg	A-T-006s	-	-	270000	1800000	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
1,2,3-Trichloropropane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
Bromobenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
n-Propylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
2-Chlorotoluene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
1,3,5-Trimethylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
4-Chlorotoluene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
tert-Butylbenzene	µg/kg	A-T-006s	-	-	-	-	<2	<2	29	29	<2			<2	<2				<2			<2			<2	<2	<2	<2			<2
1,2,4-Trimethylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
sec-Butylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
4-Isopropyltoluene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
1,3-Dichlorobenzene	µg/kg	A-T-006s	-	-	30000	390000	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
1,4-Dichlorobenzene	µg/kg	A-T-006s	-	-	4400000	36000000	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
n-Butylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
1,2-Dichlorobenzene	µg/kg	A-T-006s	-	-	2000000	24000000	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
1,2-Dibromo-3-chloropropane	µg/kg	A-T-006s	-	-			<2	<2	29	29	<2			<2	<2				<2			<2			<2	<2	<2	<2			<2
1,2,4-Trichlorobenzene	µg/kg	A-T-006s	-	-	220000	1700000	<3	<3	29	29	<3			<3	<3				<3			<3			<3	<3	<3	<3			<3
Hexachlorobutadiene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29	<1			<1	<1				<1			<1			<1	<1	<1	<1			<1
1,2,3-Trichlorobenzene			-	-	-	-	<3	<3	29	29	<3			<3	<3				<3			<3			<3	<3	<3	<3			<3
TPH CWG			-	-	-	-	-	-	-	-																					
Ali >C5-C6	mg/kg	A-T-022s	-	-	3200	95000	<0.01	3.21	74	67	<0.05	<0.05	<0.05	<0.05	<0.05				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.03	<0.01
Ali >C6-C8	mg/kg	A-T-022s	-	-	7800	150000	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ali >C8-C10	mg/kg	A-T-023s	-	-	2000	14000	<0.01	0.01	74	72	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ali >C10-C12	mg/kg	A-T-023s	-	-	9700	21000	<0.1	<0.1	74	74	<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
Ali >C12-C16	mg/kg	A-T-023s	-	-	59000	25000	<0.1	4.2	74	72	<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
Ali >C16-C21	mg/kg	A-T-023s	-	-	1600000	450000	<0.1	10.4	74	72	<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
Ali >C21-C35	mg/kg	A-T-022+23s	-	-	1600000	450000	<0.1	29.4	74	72	<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
Total Aliphatics	mg/kg	A-T-022s	-	-	-	-	<0.1	39.2	74	69	<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
Aro >C5-C7	mg/kg	A-T-022s	-	-	26000	76000	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C7-C8	mg/kg	A-T-022s	-	-	56000	87000	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C8-C9	mg/kg	A-T-022s	-	-	3500	7200	<0.01	0.02	74	71	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C9-C10	mg/kg	A-T-023s	-	-	3500	7200	<0.01	0.01	74	73	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C10-C12	mg/kg	A-T-023s	-	-	16000	9200	<0.1	0.3	74	73	<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
Aro >C12-C16	mg/kg	A-T-023s	-	-	36000	10000	<0.1	2	74	71	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aro >C16-C21	mg/kg	A-T-023s	-	-	28000	7600	<0.1	36.3	74	69	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	2.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aro >C21-C35	mg/kg	A-T-022+23s	-	-	28000	7800	<0.1	124	74	70	<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
Total Aromatics	mg/kg	A-T-022+23s	-	-	-	-	<0.1	162	74	69	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TPH (Ali & Aro)	mg/kg	A-T-022s	-	-	-	-	<0.1	198	74	65	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BTEX - Benzene	mg/kg	A-T-022s	98	230	27	90	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - Toluene	mg/kg	A-T-022s	-	-	56000	87000	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - Ethyl Benzene	mg/kg	A-T-022s	-	-	5700	17000	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - m & p Xylene	mg/kg	A-T-022s	-	-	6200	17000	<0.01	0.01	74	73	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - o Xylene	mg/kg	A-T-022s	-	-	6600	17000	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MTBE			-	-	-	-	<0.01	1.92	74	72	<0.01	<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Key
red/pink = exceedance of assessment criteria

Notes:
Reference should be made to the laboratory certificates for the original data. Reference should be made to the report text for further information or the generic assessment criteria used.

Sample Matrix Code	Units	Method	C4SL Commercial / Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial / Industrial (1970s office)	S4UL Public Space (park)	Min. Value	Max. Value	Total no. of results	No. of results <LOD	15/05152/26	15/05152/32	15/05152/33	15/05152/40	15/05156/2	15/05156/3	15/05156/4	15/05156/6	15/05156/10	15/05156/11	15/05156/14	15/05156/15	15/05156/16	15/05156/19	15/05470/1
											10	3	6	15	6	9	12	3	3	6	3	6	9	3	3
											XTP069	XTP071	XTP071	PC7TP09	PC7TP08	PC7TP08	PC7TP08	TP2004	XTP068	XTP068	XTP070	XTP070	XTP070	XTP088	PC17TP01
											1.00	0.00	0.50	2.00	0.50	1.00	1.70	0.30	0.00	0.50	0.00	0.50	1.00	0.00	-1.60
												0.30							0.30		0.15			0.40	0.00
											30-Jul-15	31-Jul-15	31-Jul-15	03-Aug-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	03-Aug-15
											Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES
											4A	1AE	1AE	1A	4AE	6A	5A	6AE	1AE	1AE	1AE	4AE	4AE	1AE	5AE
General Suite			-	-	-	-			-	-															
% Stones >10mm	% w/w	A-T-044	-	-	-	-	<0.1	74.2	76	9	40.3	14.1	22.9	<0.1	58.3	7.7	9.7	8.3	34.4	13.1	41.2	35.6	29.3	13.6	16
pH	pH	A-T-031s	-	-	-	-	5.55	9.72	76	0	6.92	5.65	7.36	8.24	8.07	6.84	7.38	6.51	5.97	6.79	6.14	7.94	7.6	6.18	8.12
Sulphate (water sol 2:1)	g/l	A-T-026s	-	-	-	-	<0.01	0.21	28	21			<0.01	0.02	<0.01	0.03	0.02		<0.01	<0.01		<0.01	<0.01		0.11
Sulphur (total)	mg/kg	A-T-024s	-	-	-	-	<50	1030	28	6			134	91	<50	174	<50		142	109		<50	81		1030
Cyanide (free)	mg/kg	Subcon	-	-	-	-	<0.5	1.1	28	27			<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5		<0.5	<0.5		1.1
Cyanide (total)	mg/kg	Subcon	-	-	-	-	<0.5	14	28	26			<0.5	<0.5	<0.5	<0.5	<0.5		0.5	<0.5		<0.5	<0.5		14
Phenols - Total by HPLC	mg/kg	A-T-050s	-	-	760	760	<0.2	<0.2	28	28			<0.2	<0.2	<0.2	<0.2	<0.2		<0.2	<0.2		<0.2	<0.2		<0.2
Sulphide	mg/kg	Subcon	-	-	-	-	<0.5	19	74	11	<0.50	0.6	<0.50	4.5	1.5	1.8	0.95	1.9	0.5	1.1	<0.50	0.59	<0.50	1.2	2.2
Organic matter	% w/w	A-T-032 OM	-	-	-	-	<0.1	24.3	76	2	0.2	2.7	1.5	0.8	0.3	0.7	0.3	3.2	1.4	1.2	3.3	0.3	0.8	2.9	3.8
Antimony	mg/kg	A-T-024s	-	-	-	-	<5	<5	2	2															
Arsenic	mg/kg	A-T-024s	640	170	640	170	<1	19	76	17	<1	3	2	1	<1	<1	3	11	3	3	1	<1	<1	3	9
Barium	mg/kg	A-T-024s	-	-	-	-	9	253	74	0	13	32	43	35	23	45	43	41	37	49	19	20	27	26	67
Beryllium	mg/kg	A-T-024s	-	-	12	63	<1	4	74	56	<1	<1	<1	<1	<1	1	1	1	1	1	<1	<1	<1	<1	<1
Boron (water soluble)	mg/kg	A-T-027s	-	-	240000	46000	<1	2.3	74	72	<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
Cadmium	mg/kg	A-T-024s	410	880	190	532	<0.5	1.2	74	72	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper	mg/kg	A-T-024s	-	-	68000	44000	5	2880	76	0	13	11	24	16	125	30	36	26	75	84	11	33	28	17	45
Chromium	mg/kg	A-T-024s	-	-	8600	33000	3	53	76	0	8	12	17	15	8	11	15	20	14	13	7	8	8	20	14
Chromium (hexavalent)	mg/kg	A-T-040s	49	250	33	220	<1	<1	76	76	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead	mg/kg	A-T-024s	2300	1300	-	-	2	969	76	0	3	15	31	11	39	9	8	22	54	57	92	10	40	7	176
Mercury	mg/kg	A-T-024s	-	-	1100	240	<0.17	0.52	74	72	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Nickel	mg/kg	A-T-024s	-	-	980	3400	3	263	76	0	10	8	12	15	16	9	11	13	14	17	5	10	9	16	13
Selenium	mg/kg	A-T-024s	-	-	12000	1800	<1	5	74	52	<1	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	2
Vanadium	mg/kg	A-T-024s	-	-	9000	5000	5	54	74	0	12	21	22	22	12	18	18	30	19	18	12	14	15	31	18
Zinc	mg/kg	A-T-024s	-	-	730000	170000	17	14600	76	0	38	32	74	62	406	74	41	42	301	381	29	71	62	48	171
PAH 16			-	-	-	-	-	-	-	-															
Acenaphthene	mg/kg	A-T-019s	-	-	84000	29000	<0.01	1.16	22	16															
Acenaphthylene	mg/kg	A-T-019s	-	-	83000	29000	<0.01	0.07	22	19															
Anthracene	mg/kg	A-T-019s	-	-	520000	150000	<0.02	1.63	22	16															
Benzo(a)anthracene	mg/kg	A-T-019s	-	-	170	49	<0.04	3.33	22	15															
Benzo(a)pyrene	mg/kg	A-T-019s	77	21	35	11	<0.04	2.73	22	16															
Benzo(b)fluoranthene	mg/kg	A-T-019s	-	-	44	13	<0.05	2.84	22	16															
Benzo(ghi)perylene	mg/kg	A-T-019s	-	-	3900	1400	<0.05	1.91	22	18															
Benzo(k)fluoranthene	mg/kg	A-T-019s	-	-	1200	370	<0.07	0.92	22	18															
Chrysene	mg/kg	A-T-019s	-	-	350	93	<0.06	4.46	22	15															
Dibenzo(ah)anthracene	mg/kg	A-T-019s	-	-	3.5	1.1	<0.04	0.52	22	19															
Fluoranthene	mg/kg	A-T-019s	-	-	23000	6300	<0.08	4.01	22	15															
Fluorene	mg/kg	A-T-019s	-	-	63000	20000	<0.01	0.72	22	17															
Indeno(123-cd)pyrene	mg/kg	A-T-019s	-	-	500	150	<0.03	1.59	22	17															
Naphthalene	mg/kg	A-T-019s	-	-	190	1200	<0.03	0.53	22	20															
Phenanthrene	mg/kg	A-T-019s	-	-	22000	6200	<0.03	5.15	22	15															
Pyrene	mg/kg	A-T-019s	-	-	54000	15000	<0.07	6.39	22	15															
PAH (total 16)	mg/kg	A-T-019s	-	-	-	-	7.44	37.4	2	0															
PAH-16 plus Coronene			-	-	-	-	-	-	-	-															
Acenaphthene	mg/kg	A-T-019s	-	-	84000	29000	<0.01	0.02	54	53	<0.01	<0.01	<0.01	<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/kg	A-T-019s	-	-	83000	29000	<0.01	<0.01	54	54	<0.01	<0.01	<0.01	<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/kg	A-T-019s	-	-	520000	150000	<0.02	0.13	54	50	<0.02	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03
Benzo(a)anthracene	mg/kg	A-T-019s	-	-	170	49	<0.04	0.13	54	49	<0.04	0.06	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Benzo(a)pyrene	mg/kg	A-T-019s	77	21	35	11	<0.04	0.08	54	52	<0.04	0.05	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Benzo(b)fluoranthene	mg/kg	A-T-019s	-	-	44	13	<0.05	0.1	54	50	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.08
Benzo(ghi)perylene	mg/kg	A-T-019s	-	-	3900	1400	<0.05	<0.05	54	54	<0.05	<0.05	<0.05	<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(k)fluoranthene	mg/kg	A-T-019s	-	-	1200	370	<0.07	0.07	54	53	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
Chrysene	mg/kg	A-T-019s	-	-	350	93	<0.06	0.14	54	49	<0.06	0.11	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Coronene	mg/kg	A-T-019s	-	-	-	-	<0.01	0.34	74	73	<0.01	<0.01	<0.01	<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/kg	A-T-019s	-	-	3.5	1.1	<0.04	<0.04	54	54	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Fluoranthene	mg/kg	A-T-019s	-	-	23000	6300	<0.08	0.29	54	49	<0.08	0.17	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	0.19
Fluorene	mg/kg	A-T-019s	-	-	63000	20000	<0.01	0.03	54	53	<0.01	<0.01	<0.01	<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/kg	A-T-019s	-	-	500	150	<0.03	0.05	54	52	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.03	<0.03	<0.03	<0.03	0.05
Naphthalene	mg/kg	A-T-019s	-	-	190	1200	<0.03	<0.03	54	54	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Phenanthrene	mg/kg	A-T-019s	-	-	22000	6200	<0.03	0.24	54	49	<0.03	0.18	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.09
Pyrene	mg/kg	A-T-019s	-	-	54000	15000	<0.07	0.22	54	49	<0.07	0.15	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.16
PAH (total 17)	mg/kg	A-T-019s	-	-	-	-	<0.08	21.6	74	61	<0.08	0.88	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	0.39	<0.08	<0.08	<0.08	0.59
SVOC	µg/kg	A-T-052s	-	-	-	-	-	-	-	-															
Hexachlorobenzene	µg/kg	A-T-052s	-	-	110000	30000	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Diethyl phthalate	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Dimethyl phthalate	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Dibenzofuran	µg/kg	A-T-052s	-	-	-	-	<100	171	29	28			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Carbazole	µg/kg	A-T-052s	-	-	-	-	<100	114	29	28			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Butylbenzyl phthalate	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Bis(2-ethylhexyl)phthalate	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Bis(2-chloroethoxy)methane	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Bis(2-chloroethyl)ether	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
4-Nitrophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
4-Methylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
4-Chloro-3-methylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
2-Nitrophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
2-Methylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
1,2,4-Trichlorobenzene	µg/kg	A-T-052s	-	-	220000	1700000	<100	<100	28	28			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
2-Chlorophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
2,6-Dinitrotoluene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
2,4-Dinitrotoluene	µg/kg	A-T-052s	-	-	-	-	<100	151	29	28			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
2,4-Dimethylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
2,4-Dichlorophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
2,4,6-Trichlorophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
2,4,5-Trichlorophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
1,4-Dichlorobenzene	µg/kg	A-T-052s	-	-	4400000	36000000	<100	<100	28	28			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
1,3-Dichlorobenzene	µg/kg	A-T-052s	-	-	30000	390000	<100	<100	28	28			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
1,2-Dichlorobenzene	µg/kg	A-T-052s	-	-	2000000	24000000	<100	<100	28	28			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
2-Chloronaphthalene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
2-Methylnaphthalene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Acenaphthylene	µg/kg	A-T-052s	-	-	-	-	<100	115	28	27			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Acenaphthene	µg/kg	A-T-052s	-	-	-	-	<100	184	28	26			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Anthracene	µg/kg	A-T-052s	-	-	520000000	150000000	<100	640	28	27			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Benzo(a)anthracene	µg/kg	A-T-052s	-	-	170000	49000	<100	3850	28	26			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Benzo(b)fluoranthene	µg/kg	A-T-052s	-	-	44000	13000	<100	3000	28	26			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Benzo(k)fluoranthene	µg/kg	A-T-052s	-	-	1200000	370000	<100	2730	28	23			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Benzo(a)pyrene	µg/kg	A-T-052s	770000	21000	35000	11000	<100	2920	28	23			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Benzo(ghi)perylene	µg/kg	A-T-052s	-	-	3900000	1400000	<100	2180	28	26			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Chrysene	µg/kg	A-T-052s	-	-	350000	93000	<100	4670	28	25			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Fluoranthene	µg/kg	A-T-052s	-	-	23000000	6300000	<100	7650	28	24			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Fluorene	µg/kg	A-T-052s	-	-	63000000	20000000	<100	134	28	27			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Indeno(1,2,3-cd)pyrene	µg/kg	A-T-052s	-	-	500000	150000	<100	1910	28	25			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Phenanthrene	µg/kg	A-T-052s	-	-	22000000	6200000	<100	1090	28	26			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Pyrene	µg/kg	A-T-052s	-	-	54000000	15000000	<100	7550	28	24			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Naphthalene	µg/kg	A-T-052s	-	-	190000	1200000	<100	<100	28	28			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Dibenzo(ah)anthracene	µg/kg	A-T-052s	-	-	3500	1100	<100	1210	28	27			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Bis(2-chloroisopropyl)ether	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
2,4-Dinitrophenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
4,6-Dinitro-2-methylphenol	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Phenol	µg/kg	A-T-052s	-	-	760000	760000	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Pentachlorophenol	µg/kg	A-T-052s	-	-	400000	110000	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100

Key
red/pink = exceedance of assessment criteria

Notes:
Reference should be made to the laboratory certificates for the original data. Reference should be made to the report text for further information or the generic assessment criteria used.

Sample Matrix Code	Units	Method	C4SL Commercial / Industrial (1970s office)	C4SL Public Space 2	S4UL Commercial / Industrial (1970s office)	S4UL Public Space (park)	Min. Value	Max. Value	Total no. of results	No. of results <LOD	15/05152/26	15/05152/32	15/05152/33	15/05152/40	15/05156/2	15/05156/3	15/05156/4	15/05156/6	15/05156/10	15/05156/11	15/05156/14	15/05156/15	15/05156/16	15/05156/19	15/05470/1
											10	3	6	15	6	9	12	3	3	6	3	6	9	3	3
											XTP069	XTP071	XTP071	PC7TP09	PC7TP08	PC7TP08	PC7TP08	TP2004	XTP068	XTP068	XTP070	XTP070	XTP070	XTP088	PC17TP01
											1.00	0.00	0.50	2.00	0.50	1.00	1.70	0.30	0.00	0.50	0.00	0.50	1.00	0.00	-1.60
												0.30							0.30		0.15			0.40	0.00
											30-Jul-15	31-Jul-15	31-Jul-15	03-Aug-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	03-Aug-15
											Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES
											4A	1AE	1AE	1A	4AE	6A	5A	6AE	1AE	1AE	1AE	4AE	4AE	1AE	5AE
n-Nitroso-n-dipropylamine	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
n-Dioctylphthalate	µg/kg	A-T-052s	-	-	-	-	<100	414	29	25			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
n-Dibutylphthalate	µg/kg	A-T-052s	-	-	-	-	<100	1160	29	28			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Nitrobenzene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Isophorone	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Hexachloroethane	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Hexachlorocyclopentadiene	µg/kg	A-T-052s	-	-	-	-	<100	<100	29	29			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Hexachlorobutadiene	µg/kg	A-T-052s	-	-	-	-	<100	<100	28	28			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
Perylene			-	-	-	-	<100	1730	29	27			<100	<100	<100	<100	<100		<100	<100		<100	<100		<100
VOC	µg/kg	A-T-006s	-	-	-	-	-	-	-	-															
Dichlorodifluoromethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Chloromethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Vinyl Chloride	µg/kg	A-T-006s	-	-	59	4800	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Bromomethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Chloroethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Trichlorofluoromethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
1,1-Dichloroethene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Carbon Dsulphide	µg/kg	A-T-006s	-	-	11000	1300000	<1	1	29	28			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Dichloromethane	µg/kg	A-T-006s	-	-	-	-	<5	<5	29	29			<5	<5	<5	<5	<5		<5	<5		<5	<5		<5
trans 1,2-Dichloroethene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
1,1-Dichloroethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
cis 1,2-Dichloroethene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
2,2-Dichloropropane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Bromochloromethane	µg/kg	A-T-006s	-	-	-	-	<5	<5	29	29			<5	<5	<5	<5	<5		<5	<5		<5	<5		<5
Chloroform	µg/kg	A-T-006s	-	-	99000	2600000	<1	<25	29	29			<25	<25	<25	<25	<25		<25	<25		<25	<25		<1
1,1,1-Trichloroethane	µg/kg	A-T-006s	-	-	660000	57000000	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
1,1-Dichloropropene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Carbon Tetrachloride	µg/kg	A-T-006s	-	-	2900	190000	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
1,2-Dichloroethane	µg/kg	A-T-006s	-	-	670	21000	<2	<2	29	29			<2	<2	<2	<2	<2		<2	<2		<2	<2		<2
Benzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Trichloroethene	µg/kg	A-T-006s	-	-	1200	70000	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
1,2-Dichloropropane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Dibromomethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Bromodichloromethane	µg/kg	A-T-006s	-	-	-	-	<10	<10	29	29			<10	<10	<10	<10	<10		<10	<10		<10	<10		<10
cis 1,3-Dichloropropene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Toluene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
trans 1,3-Dichloropropene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
1,1,2-Trichloroethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
1,3-Dichloropropane	µg/kg	A-T-006s	-	-			<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Tetrachloroethene	µg/kg	A-T-006s	-	-	19000	810000	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Dibromochloromethane	µg/kg	A-T-006s	-	-	-	-	<3	<3	29	29			<3	<3	<3	<3	<3		<3	<3		<3	<3		<3
1,2-Dibromoethane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Chlorobenzene	µg/kg	A-T-006s	-	-	56000	1300000	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
1,1,1,2-Tetrachloroethane	µg/kg	A-T-006s	-	-	110000	1500000	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Ethylbenzene	µg/kg	A-T-006s	-	-	5700000	17000000	<1	2	29	27			<1	<1	<1	<1	<1		2	1		<1	<1		<1
m & p Xylene	µg/kg	A-T-006s	-	-	-	-	<1	6	29	24			<1	<1	2	<1	<1		6	5		2	3		<1
o-Xylene	µg/kg	A-T-006s	-	-	6600000	17000000	<1	2	29	26			<1	<1	<1	<1	<1		2	2		<1	1		<1
Styrene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Bromoform	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Isopropylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
1,1,2,2-Tetrachloroethane	µg/kg	A-T-006s	-	-	270000	1800000	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
1,2,3-Trichloropropane	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
Bromobenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
n-Propylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
2-Chlorotoluene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
1,3,5-Trimethylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
4-Chlorotoluene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
tert-Butylbenzene	µg/kg	A-T-006s	-	-	-	-	<2	<2	29	29			<2	<2	<2	<2	<2		<2	<2		<2	<2		<2
1,2,4-Trimethylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
sec-Butylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
4-Isopropyltoluene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
1,3-Dichlorobenzene	µg/kg	A-T-006s	-	-	30000	390000	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
1,4-Dichlorobenzene	µg/kg	A-T-006s	-	-	4400000	36000000	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
n-Butylbenzene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
1,2-Dichlorobenzene	µg/kg	A-T-006s	-	-	2000000	24000000	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
1,2-Dibromo-3-chloropropane	µg/kg	A-T-006s	-	-			<2	<2	29	29			<2	<2	<2	<2	<2		<2	<2		<2	<2		<2
1,2,4-Trichlorobenzene	µg/kg	A-T-006s	-	-	220000	1700000	<3	<3	29	29			<3	<3	<3	<3	<3		<3	<3		<3	<3		<3
Hexachlorobutadiene	µg/kg	A-T-006s	-	-	-	-	<1	<1	29	29			<1	<1	<1	<1	<1		<1	<1		<1	<1		<1
1,2,3-Trichlorobenzene			-	-	-	-	<3	<3	29	29			<3	<3	<3	<3	<3		<3	<3		<3	<3		<3
TPH CWG			-	-	-	-	-	-	-	-															
Ali >C5-C6	mg/kg	A-T-022s	-	-	3200	95000	<0.01	3.21	74	67	0.01	<0.01	<0.01	<0.01	<0.01	3.21	<0.01	<0.01	<0.01	1.93	<0.01	0.79	<0.01	<0.01	<0.01
Ali >C6-C8	mg/kg	A-T-022s	-	-	7800	150000	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ali >C8-C10	mg/kg	A-T-023s	-	-	2000	14000	<0.01	0.01	74	72	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ali >C10-C12	mg/kg	A-T-023s	-	-	9700	21000	<0.1	<0.1	74	74	<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
Ali >C12-C16	mg/kg	A-T-023s	-	-	59000	25000	<0.1	4.2	74	72	<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
Ali >C16-C21	mg/kg	A-T-023s	-	-	1600000	450000	<0.1	10.4	74	72	<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
Ali >C21-C35	mg/kg	A-T-022+23s	-	-	1600000	450000	<0.1	29.4	74	72	<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
Total Aliphatics	mg/kg	A-T-022s	-	-	-	-	<0.1	39.2	74	69	<0.1	<0.1	<0.1	<0.1	<0.1	3.2	<0.1	<0.1	<0.1	1.9	<0.1	0.8	<0.1	<0.1	<0.1
Aro >C5-C7	mg/kg	A-T-022s	-	-	26000	76000	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C7-C8	mg/kg	A-T-022s	-	-	56000	87000	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C8-C9	mg/kg	A-T-022s	-	-	3500	7200	<0.01	0.02	74	71	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.01	<0.01	0.01	<0.01	<0.01	<0.01
Aro >C9-C10	mg/kg	A-T-023s	-	-	3500	7200	<0.01	0.01	74	73	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C10-C12	mg/kg	A-T-023s	-	-	16000	9200	<0.1	0.3	74	73	<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	0.3	<0.1	<0.1
Aro >C12-C16	mg/kg	A-T-023s	-	-	36000	10000	<0.1	2	74	71	<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	<0.1	<0.1
Aro >C16-C21	mg/kg	A-T-023s	-	-	28000	7600	<0.1	36.3	74	69	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	7.4	<0.1	<0.1
Aro >C21-C35	mg/kg	A-T-022+23s	-	-	28000	7800	<0.1	124	74	70	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.4	<0.1	20.5	<0.1	<0.1
Total Aromatics	mg/kg	A-T-022+23s	-	-	-	-	<0.1	162	74	69	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.2	<0.1	29.2	<0.1	<0.1
TPH (Ali & Aro)	mg/kg	A-T-022s	-	-	-	-	<0.1	198	74	65	<0.1	<0.1	<0.1	<0.1	<0.1	3.2	<0.1	<0.1	<0.1	1.9	2.2	0.8	29.2	<0.1	<0.1
BTEX - Benzene	mg/kg	A-T-022s	98	230	27	90	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - Toluene	mg/kg	A-T-022s	-	-	56000	87000	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - Ethyl Benzene	mg/kg	A-T-022s	-	-	5700	17000	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - m & p Xylene	mg/kg	A-T-022s	-	-	6200	17000	<0.01	0.01	74	73	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - o Xylene	mg/kg	A-T-022s	-	-	6600	17000	<0.01	<0.01	74	74	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MTBE			-	-	-	-	<0.01	1.92	74	72	<0.01	<0.01	<0.01	<0.01	<0.01	1.92	<0.01	<0.01	<0.01	<0.01	<0.01	0.79	<0.01	<0.01	<0.01

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Report generated	25-Jan-16
Report title	Horizon SP&C Contaminated Land Risk Assessment and Remediation St
Created by	K Young at Jacobs

RESULTS

Environment Agency

		Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group					
		oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
1	Arsenic	4.99E+02	3.22E+03	NR	1.00	0.16	NR	NR	No	No	No	No	No	No	No	No	No
2	Arsenic (C4SL adult)	4.99E+02	6.11E+03	NR	1.00	0.08	NR	NR	No	No	No	Yes	No	No	No	No	Yes
3	Cadmium	3.82E+02	1.64E+03	3.44E+02	0.82	0.18	1.00	NR	Yes	Yes	No	No	No	No	No	No	No
4	Cadmium (C4SL)	6.14E+02	4.05E+03	5.35E+02	0.87	0.13	1.00	NR	Yes	Yes	No	Yes	Yes	No	No	No	No
5	Chromium VI (C4SL adult)	8.60E+02	2.41E+02	NR	0.28	1.00	NR	NR	No	No	No	No	No	Yes	No	No	Yes
6	Lead (C4SL adult)	2.25E+03	NR	NR	1.00	NR	NR	NR	No	No	No	Yes	No	Yes	No	No	No
7	Mercury, elemental	NR	1.50E+03	NR	NR	1.00	NR	2.58E+01 (vap)	No	No	No	No	No	No	No	No	No
8	Mercury, inorganic	4.25E+03	9.65E+04	4.07E+03	0.96	0.04	1.00	NR	No	No	No	No	No	No	No	No	No
9	Mercury, methyl	2.41E+02	5.76E+03	2.31E+02	0.96	0.04	1.00	3.04E+02 (sol)	No	No	No	No	No	No	No	No	No
10	Selenium	1.23E+04	NR	NR	1.00	NR	NR	NR	Yes	No	No	No	No	No	No	No	No
11	Benzene	3.16E+02	2.24E+03	2.77E+02	0.88	0.12	1.00	4.71E+03 (sol)	No	No	No	No	No	No	No	No	No
12	Benzene (C4SL adult)	6.22E+02	2.24E+03	4.87E+02	0.78	0.22	1.00	4.71E+03 (sol)	No	No	No	No	Yes	No	No	No	Yes
13	Benzo[a]pyrene (C4SL adult)	3.99E+01	2.33E+02	NR	1.00	0.17	NR	5.46E+00 (vap)	No	No	No	No	Yes	Yes	No	No	No
14	Ethylbenzene	1.09E+05	8.67E+05	9.68E+04	0.89	0.11	1.00	2.84E+03 (vap)	No	No	No	No	No	No	No	No	No
15	Phenol	1.49E+06	6.68E+03	6.65E+03	0.00	1.00	1.00	1.74E+05 (vap)	No	No	No	No	No	No	No	No	No
16	Toluene	2.43E+05	3.96E+06	2.29E+05	0.94	0.06	1.00	4.36E+03 (vap)	No	No	No	No	No	No	No	No	No
17	Xylene, o-	1.96E+05	2.75E+05	1.14E+05	0.58	0.42	1.00	2.62E+03 (sol)	No	No	No	No	No	No	No	No	No
18	Xylene, p-	1.96E+05	2.60E+05	1.12E+05	0.57	0.43	1.00	3.17E+03 (sol)	No	No	No	No	No	No	No	No	No
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	Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group					
	oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
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Environment Agency

		Soil Distribution				Media Concentrations													
		Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
		%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
1	Arsenic	99.9	0.1	0.0	100.0	4.99E+02	NR	NA	8.49E-06	3.64E-06	NA	0.00E+00	0.00E+00	NA	NA	NA	NA	NA	NA
2	Arsenic (C4SL adult)	99.9	0.1	0.0	100.0	4.99E+02	NR	NA	8.49E-06	3.64E-06	NA	0.00E+00	0.00E+00	NA	NA	NA	NA	NA	NA
3	Cadmium	99.7	0.3	0.0	100.0	3.44E+02	NR	NA	5.86E-06	2.51E-06	NA	0.00E+00	0.00E+00	NA	NA	NA	NA	NA	NA
4	Cadmium (C4SL)	99.7	0.3	0.0	100.0	5.35E+02	NR	NA	9.10E-06	3.90E-06	NA	0.00E+00	0.00E+00	NA	NA	NA	NA	NA	NA
5	Chromium VI (C4SL adult)	96.8	3.2	0.0	100.0	2.41E+02	NR	NA	4.11E-06	1.76E-06	NA	0.00E+00	0.00E+00	NA	NA	NA	NA	NA	NA
6	Lead (C4SL adult)	100.0	0.0	0.0	100.0	2.25E+03	NR	NA	3.82E-05	1.64E-05	NA	0.00E+00	0.00E+00	NA	NA	NA	NA	NA	NA
7	Mercury, elemental	99.9	0.1	0.0	100.0	1.50E+03	3.48E+02	NA	2.55E-05	1.09E-05	NA	1.59E-03	6.82E-04	NA	NA	NA	NA	NA	NA
8	Mercury, inorganic	99.9	0.1	0.0	100.0	4.07E+03	NR	NA	6.92E-05	2.97E-05	NA	0.00E+00	0.00E+00	NA	NA	NA	NA	NA	NA
9	Mercury, methyl	91.0	9.0	0.0	100.0	2.31E+02	6.85E-01	NA	3.93E-06	1.69E-06	NA	2.49E-04	1.07E-04	NA	NA	NA	NA	NA	NA
10	Selenium	99.5	0.5	0.0	100.0	1.23E+04	NR	NA	2.09E-04	8.97E-05	NA	0.00E+00	0.00E+00	NA	NA	NA	NA	NA	NA
11	Benzene	89.0	10.3	0.7	100.0	2.77E+02	1.22E+04	NA	4.72E-06	2.02E-06	NA	4.74E-03	2.03E-03	NA	NA	NA	NA	NA	NA
12	Benzene (C4SL adult)	89.0	10.3	0.7	100.0	4.87E+02	2.13E+04	NA	8.29E-06	3.55E-06	NA	8.32E-03	3.57E-03	NA	NA	NA	NA	NA	NA
13	Benzo[a]pyrene (C4SL adult)	100.0	0.0	0.0	100.0	3.99E+01	1.57E-05	NA	6.79E-07	2.91E-07	NA	7.25E-07	3.11E-07	NA	NA	NA	NA	NA	NA
14	Ethylbenzene	98.1	1.7	0.1	100.0	9.68E+04	8.50E+05	NA	1.65E-03	7.07E-04	NA	6.63E-01	2.84E-01	NA	NA	NA	NA	NA	NA
15	Phenol	91.4	8.6	0.0	100.0	6.65E+03	1.75E+01	NA	1.13E-04	4.85E-05	NA	6.03E-03	2.58E-03	NA	NA	NA	NA	NA	NA
16	Toluene	96.1	3.7	0.3	100.0	2.29E+05	3.56E+06	NA	3.90E-03	1.67E-03	NA	2.20E+00	9.41E-01	NA	NA	NA	NA	NA	NA
17	Xylene, o-	98.1	1.8	0.1	100.0	1.14E+05	6.96E+05	NA	1.95E-03	8.35E-04	NA	6.52E-01	2.79E-01	NA	NA	NA	NA	NA	NA
18	Xylene, p-	98.2	1.7	0.1	100.0	1.12E+05	7.56E+05	NA	1.90E-03	8.16E-04	NA	6.73E-01	2.88E-01	NA	NA	NA	NA	NA	NA
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	Soil Distribution				Media Concentrations													
	Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
	%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
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Environment Agency

		Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
		Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
1	Arsenic	2.33E-04	0.00E+00	6.73E-05	3.10E-07	0.00E+00	0.00E+00	0.00E+00	77.57	0.00	22.43	0.00	0.00	0.00	0.00	0.00
2	Arsenic (C4SL adult)	2.33E-04	0.00E+00	6.73E-05	3.10E-07	0.00E+00	0.00E+00	0.00E+00	77.57	0.00	22.43	0.00	0.00	0.00	0.00	0.00
3	Cadmium	1.61E-04	0.00E+00	1.55E-06	2.14E-07	0.00E+00	2.51E-04	3.81E-07	49.46	0.00	0.48	0.07	0.00	0.00	49.93	0.07
4	Cadmium (C4SL)	2.50E-04	0.00E+00	2.41E-06	3.33E-07	0.00E+00	2.51E-04	3.81E-07	49.59	0.00	0.48	0.07	0.00	0.00	49.80	0.07
5	Chromium VI (C4SL adult)	1.13E-04	0.00E+00	1.08E-05	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00
6	Lead (C4SL adult)	6.29E-04	0.00E+00	0.00E+00	8.94E-07	0.00E+00	0.00E+00	0.00E+00	99.86	0.00	0.00	0.14	0.00	0.00	0.00	0.00
7	Mercury, elemental	6.98E-04	0.00E+00	0.00E+00	9.30E-07	5.81E-05	0.00E+00	9.51E-07	0.00	0.00	0.00	1.55	0.00	96.86	0.00	1.59
8	Mercury, inorganic	1.90E-03	0.00E+00	0.00E+00	2.53E-06	0.00E+00	1.87E-05	0.00E+00	98.89	0.00	0.00	0.13	0.00	0.00	0.97	0.00
9	Mercury, methyl	1.08E-04	0.00E+00	1.04E-04	1.44E-07	9.08E-06	9.35E-06	0.00E+00	46.81	0.00	45.12	0.06	0.00	3.94	4.06	0.00
10	Selenium	5.74E-03	0.00E+00	0.00E+00	7.65E-06	0.00E+00	6.54E-04	1.14E-06	89.64	0.00	0.00	0.12	0.00	0.00	10.23	0.02
11	Benzene	1.29E-04	0.00E+00	1.25E-04	1.72E-07	1.73E-04	0.00E+00	0.00E+00	30.27	0.00	29.18	0.04	0.00	40.52	0.00	0.00
12	Benzene (C4SL adult)	2.27E-04	0.00E+00	2.19E-04	3.03E-07	3.04E-04	0.00E+00	0.00E+00	30.27	0.00	29.18	0.04	0.00	40.52	0.00	0.00
13	Benzo[a]pyrene (C4SL adult)	1.86E-05	0.00E+00	2.33E-05	2.48E-08	2.65E-08	0.00E+00	0.00E+00	44.33	0.00	55.55	0.06	0.00	0.06	0.00	0.00
14	Ethylbenzene	4.52E-02	0.00E+00	4.36E-02	6.02E-05	2.42E-02	9.35E-05	2.47E-03	39.09	0.00	37.68	0.05	0.00	20.96	0.08	2.14
15	Phenol	3.10E-03	0.00E+00	8.97E-03	4.14E-06	2.20E-04	6.54E-03	7.61E-04	19.20	0.00	55.51	0.03	0.00	1.36	19.20	4.71
16	Toluene	1.07E-01	0.00E+00	1.03E-01	1.42E-04	8.02E-02	1.87E-04	9.89E-03	35.59	0.00	34.30	0.05	0.00	26.71	0.06	3.29
17	Xylene, o-	5.34E-02	0.00E+00	5.15E-02	7.12E-05	2.38E-02	2.06E-04	2.66E-03	40.57	0.00	39.11	0.05	0.00	18.09	0.16	2.02
18	Xylene, p-	5.22E-02	0.00E+00	5.03E-02	6.96E-05	2.46E-02	2.06E-04	2.66E-03	40.14	0.00	38.70	0.05	0.00	18.90	0.16	2.05
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	Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
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Environment Agency

		Oral Health Criteria Value ($\mu g\ kg^{-1}\ BW\ day^{-1}$)		Inhalation Health Criteria Value ($\mu g\ kg^{-1}\ BW\ day^{-1}$)		Oral Mean Daily Intake ($\mu g\ day^{-1}$)	Inhalation Mean Daily Intake ($\mu g\ day^{-1}$)	Air-water partition coefficient (K_{aw}) ($cm^3\ cm^{-3}$)	Coefficient of Diffusion in Air ($m^2\ s^{-1}$)	Coefficient of Diffusion in Water ($m^2\ s^{-1}$)	log K_{OC} ($cm^3\ g^{-1}$)	log K_{OW} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor ($g\ g^{-1}\ DW$)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
1	Arsenic	ID	0.3	ID	0.002	NR	NR	NR	NR	NR	NR	NR	0.03	0.5	1	1	1
2	Arsenic (C4SL adult)	ID	0.3	ID	0.0038	NR	NR	NR	NR	NR	NR	NR	0.03	0.5	1	1	1
3	Cadmium	TDI	0.36	TDI	0.0014	13.4	0.02	NR	NR	NR	NR	NR	0.001	0.5	1	1	1
4	Cadmium (C4SL)	TDI	0.54	TDI	0.0029	13.4	0.02	NR	NR	NR	NR	NR	0.001	0.5	1	1	1
5	Chromium VI (C4SL adult)	ID	0.44	ID	0.00015	NR	NR	NR	NR	NR	NR	NR	0.01	0.5	1	1	1
6	Lead (C4SL adult)	ID	0.63	NR	0	NR	NR	NR	NR	NR	NR	NR	0	0.5	1	0.6	0.64
7	Mercury, elemental	NR	0	TDI	0.06	0	0.05	1.17E-01	6.34E-06	2.00E-09	4.16	0.62	0	0.5	1	1	1
8	Mercury, inorganic	TDI	2	TDI	0.06	1	0	NR	NR	NR	NR	NR	0	0.5	1	1	1
9	Mercury, methyl	TDI	0.23	TDI	0.23	0.5	0	9.00E-06	8.61E-06	8.61E-10	1.9	1.7	0.1	0.5	1	1	1
10	Selenium	TDI	6.4	NR	0	35	0.06	NR	NR	NR	NR	NR	0	0.5	1	1	1
11	Benzene	ID	0.29	ID	1.4	NR	NR	1.16E-01	8.77E-06	6.64E-10	1.83	2.13	0.1	0.5	10	1	1
12	Benzene (C4SL adult)	ID	0.57	ID	1.4	NR	NR	1.16E-01	8.77E-06	6.64E-10	1.83	2.13	0.1	0.5	10	1	1
13	Benzo[a]pyrene (C4SL adult)	ID	0.042	ID	0.0003	NR	NR	1.76E-06	4.38E-06	3.67E-10	5.11	6.18	0.13	0.5	1	1	1
14	Ethylbenzene	TDI	100	TDI	220	5	130	1.39E-01	7.04E-06	5.31E-10	2.65	3.15	0.1	0.5	10	1	1
15	Phenol	TDI	700	TDI	10	350	40	8.35E-06	7.90E-06	6.36E-10	1.92	1.48	0.3	0.5	1	1	1
16	Toluene	TDI	223	TDI	1400	10	520	1.15E-01	7.78E-06	5.88E-10	2.31	2.73	0.1	0.5	10	1	1
17	Xylene, o-	TDI	180	TDI	60	11	140	9.20E-02	7.01E-06	5.31E-10	2.63	3.12	0.1	0.5	10	1	1
18	Xylene, p-	TDI	180	TDI	60	11	140	1.07E-01	7.04E-06	5.31E-10	2.65	3.15	0.1	0.5	10	1	1
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Environment Agency

	Oral Health Criteria Value (µg kg^{-1} BW day^{-1})		Inhalation Health Criteria Value (µg kg^{-1} BW day^{-1})		Oral Mean Daily Intake (µg day^{-1})	Inhalation Mean Daily Intake (µg day^{-1})	Air-water partition coefficient (K_{aw}) (cm^3 cm^{-3})	Coefficient of Diffusion in Air (m^2 s^{-1})	Coefficient of Diffusion in Water (m^2 s^{-1})	log K_{oc} (cm^3 g^{-1})	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor (g g^{-1} DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
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Environment Agency

		Soil-to-water partition coefficient ($cm^3 g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
1	Arsenic	5.00E+02	NR	1.25E+06	0.00043 fw	0.0004 fw	0.00023 fw	0.00033 fw	0.0002 fw	0.0011 fw
2	Arsenic (C4SL adult)	5.00E+02	NR	1.25E+06	0.00043 fw	0.0004 fw	0.00023 fw	0.00033 fw	0.0002 fw	0.0011 fw
3	Cadmium	1.00E+02	NR	1.62E+06	0.052 fw	0.029 fw	0.031 fw	0.016 fw	0.0031 fw	0.0014 fw
4	Cadmium (C4SL)	1.00E+02	NR	1.62E+06	0.052 fw	0.029 fw	0.031 fw	0.016 fw	0.0031 fw	0.0014 fw
5	Chromium VI (C4SL adult)	8.50E+00	NR	8.76E+05	0 fw	0 fw	0 fw	0 fw	0 fw	0 fw
6	Lead (C4SL adult)	1.00E+03	NR	2.96E+05	0.00419 fw	0.00402 fw	0.00731 fw	0.00074 fw	0.00020 fw	0.00022 fw
7	Mercury, elemental	5.03E+02	7.03E-02	5.60E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	Mercury, inorganic	5.00E+02	NR	7.40E+04	0.0038 fw	0.0069 fw	0.0043 fw	0.001 fw	0.0011 fw	0.001 fw
9	Mercury, methyl	2.76E+00	1.13E+00	1.00E+02	0.0038 fw	0.0069 fw	0.0043 fw	0.001 fw	0.0011 fw	0.001 fw
10	Selenium	5.00E+01	NR	2.17E+06	0.0108 fw	0.00364 fw	0.00083 fw	0.00271 fw	0.003 fw	0.003 fw
11	Benzene	2.35E+00	6.24E+03	1.78E+03	model	model	model	0.00E+00	0.00E+00	model
12	Benzene (C4SL adult)	2.35E+00	6.24E+03	1.78E+03	model	model	model	0.00E+00	0.00E+00	model
13	Benzo[a]pyrene (C4SL adult)	4.48E+03	2.00E-08	3.80E-03	0.00041 fw	0.00178 fw	0.00088 fw	0.00050 fw	0.00000 fw	0.00004 fw
14	Ethylbenzene	1.55E+01	5.53E+02	1.80E+02	model	model	model	0.00E+00	0.00E+00	model
15	Phenol	2.89E+00	1.15E+01	8.41E+04	model	model	model	0.00E+00	0.00E+00	model
16	Toluene	7.11E+00	1.73E+03	5.90E+02	model	model	model	0.00E+00	0.00E+00	model
17	Xylene, o-	1.48E+01	3.86E+02	1.73E+02	model	model	model	0.00E+00	0.00E+00	model
18	Xylene, p-	1.55E+01	4.75E+02	2.00E+02	model	model	model	0.00E+00	0.00E+00	model
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20										

Environment Agency

	Soil-to-water partition coefficient ($cm^3\ g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg\ L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
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Appendix E. Controlled waters risk assessment

CNMT_GROUP Max of CNMT_RESLD (Multiple Items)

Key

red/pink = exceedance of assessment criteria (above detection limit only)

Notes:

This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the laboratory certificates or AGS for the original data. Reference should be made to the report text for further information on the water quality standards used.

													PointID	CLSS_SPEC	Depth	Phase													
													TP700/1	TP700/1	TP700/10	TP700/11	TP700/12	TP700/12	TP700/13	TP700/14	TP700/15	TP700/16	TP700/17	TP700/18	TP700/19	TP700/2	TP700/20	TP700/22	TP700/23	TP700/23
													14/02933/	14/02933/	14/02933/	14/02948/	14/02933/	14/02933/	14/02933/	14/02933/	14/03132/	14/03039/	14/02933/	14/02948/	14/03039/	14/02933/	14/02933/	14/02948/	14/03132/	14/03132/
													0.95	2	0.4	1	1	1.3	1	0.75	0.5	0.3	1	0.4	0.5	1.3	0.5	0.4	0.5	0.3
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**	**Drinking Water Standard**	**EQS Freshwater / Site Specific PNEC**	**Min. Value**	**Max. Value**	**Total no. of results**	**No. of results <LOD**	**No. of results > EQS (DWS if EQS not available)**	**% Exceed (above detection limit results only)**	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl
AS	Arsenic	LEACHATE_NRA	ug/l	1	10	50	1	9	65	30	0	0	3	3	*1*	*1*	2	2	*1*	*1*	*1*	*1*	*1*	3	*1*	*1*	2	5	3	2
B	Boron	LEACH_CEN21	ug/l	10	-	-	10	121	65	26	-	-	81	121	*10*	16	*10*	48	*10*	*10*	*10*	*10*	*10*	14	*10*	*10*	16	12	14	
CD	Cadmium	LEACH_DISS	ug/l	1	5	0.15	1	1	65	65	65	0	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	
CO	Cobalt	LEACH_CEN21	ug/l	1	-	-	1	4	65	58	-	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	
CR	Chromium	LEACHATE_NRA	ug/l	1	50	4.7	1	18	65	30	12	18	3	3	*1*	*1*	*1*	2	*1*	*1*	*1*	2	*1*	4	2	*1*	3	7	2	*1*
CU	Copper	LEACH_DISS	ug/l	1	2000	21.4	1	4850	65	1	10	15	8	7	8	3	7	15	4	10	2	40	*1*	10	4	3	3	25	8	6
HG	Mercury	LEACH_TOT	ug/l	0.1	1	0.07	0.1	0.3	65	61	65	6	0.3	0.3	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	0.2	*0.1*	*0.1*	*0.1*	*0.1*
MN	Manganese	LEACH_DISS	ug/l	1	50	266.45	1	2274	65	1	5	8	2	2	42	3	9	461	14	58	27	36	6	260	122	7	16	245	39	*1*
MO	Molybdenum	LEACHATE_NRA	ug/l	1	-	-	1	57	65	40	-	-	40	57	*1*	3	*1*	3	*1*	*1*	*1*	*1*	2	*1*	*1*	*1*	*1*	2	*1*	3
NI	Nickel	LEACH_TOT	ug/l	1	20	13.61	1	240	65	31	1	2	2	2	*1*	*1*	*1*	2	*1*	*1*	*1*	*1*	*1*	3	*1*	*1*	*1*	5	*1*	*1*
PB	Lead	LEACHATE_NRA	ug/l	1	10	7.2	1	291	65	20	17	26	*1*	*1*	*1*	*1*	*1*	4	*1*	2	*1*	42	*1*	20	2	*1*	*1*	224	8	*1*
PHS	pH	LEACH_TOT	pH	0.01	5.5 - 9.5	6 - 9	5.32	8.09	65	0	8	12	7.22	7.38	7.14	6.92	6.83	5.84	5.78	7.61	5.65	7.45	7.2	6.58	6.03	6.78	5.85	6.72	7.23	7.55
SE	Selenium	LEACH_DISS	ug/l	1	10	-	1	2	65	64	0	0	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
SULWS	Sulphate	LEACH_TOT	mg/l	1	250	-	1	66.74	65	17	0	0	51.87	66.74	*1*	6.26	4.7	16.49	*1*	*1*	10.39	*1*	2.37	1.24	11.06	*1*	63.39	11.4	20.7	1.75
ZN	Zinc	LEACH_DISS	ug/l	1	5000	35.08	1	703	65	8	11	17	6	9	2	*1*	11	*1*	*1*	*1*	4	10	*1*	16	4	4	2	42	11	5

CNMT_GROUP Max of CNMT_RESLD (Multiple Items)

Key

red/pink = exceedance of assessment criteria (above detection limit only)

Notes:

This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the laboratory certificates or AGS for the original data. Reference should be made to the report text for further information on the water quality standards used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	Drinking Water Standard	EQS Freshwater / Site Specific PNEC	Min. Value	Max. Value	Total no. of results	No. of results <LOD	No. of results > EQS (DWS if EQS not available)	TP700/23A	TP700/23A	TP700/24	TP700/27	TP700/28	TP700/29	TP700/3	TP700/39	TP700/49	TP700/5	TP700/7	TP700/7	TP700/8	TP700/9	TP700/9	TP800/01	TP800/02	TP800/04	TP800/05	TP800/07
												14/03132/	14/03132/	14/03132/	14/03039/	14/03039/	14/03132/	14/02933/	14/02933/	14/02894/	14/02933/	14/02933/	14/02933/	14/02933/	14/02933/	14/02933/	14/05824/	14/05824/	14/05708/	14/05666/	14/05563/
												0.5	1	0.1	0.3	0.5	0.5	0.95	0.5	0.5	0.8	0.4	0.9	0.4	0.8	1.5	0.5	0.5	0.5	0.5	0.5
AS	Arsenic	LEACHATE_NRA	ug/l	1	10	50	1	9	65	30	0	6	2	4	*1*	*1*	2	3	2	4	*1*	*1*	*1*	*1*	5	3	*1*	2	*1*	*1*	*1*
B	Boron	LEACH_CEN21	ug/l	10	-	-	10	121	65	26	-	24	*10*	26	*10*	*10*	11	11	*10*	19	*10*	*10*	*10*	*10*	60	19	29	29	17	17	18
CD	Cadmium	LEACH_DISS	ug/l	1	5	0.15	1	1	65	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CO	Cobalt	LEACH_CEN21	ug/l	1	-	-	1	4	65	58	-	*1*	*1*	*1*	*1*	*1*	*1*	2	2	*1*	*1*	*1*	*1*	*1*	3	*1*	*1*	*1*	*1*	*1*	*1*
CR	Chromium	LEACHATE_NRA	ug/l	1	50	4.7	1	18	65	30	12	*1*	*1*	*1*	*1*	2	7	3	2	5	*1*	*1*	*1*	*1*	3	2	*1*	*1*	*1*	*1*	*1*
CU	Copper	LEACH_DISS	ug/l	1	2000	21.4	1	4850	65	1	10	3	6	22	3	4	6	16	6	9	5	4	4	6	14	14	8	5	3	8	6
HG	Mercury	LEACH_TOT	ug/l	0.1	1	0.07	0.1	0.3	65	61	65	*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*
MN	Manganese	LEACH_DISS	ug/l	1	50	266.45	1	2274	65	1	5	8	4	56	80	56	38	206	232	87	3	7	5	116	303	146	79	5	3	48	11
MO	Molybdenum	LEACHATE_NRA	ug/l	1	-	-	1	57	65	40	-	*1*	3	*1*	6	*1*	*1*	2	*1*	3	*1*	2	2	*1*	*1*	2	*1*	4	*1*	*1*	*1*
NI	Nickel	LEACH_TOT	ug/l	1	20	13.61	1	240	65	31	1	*1*	*1*	2	*1*	*1*	4	2	2	2	*1*	*1*	*1*	*1*	2	*1*	5	*1*	*1*	*1*	3
PB	Lead	LEACHATE_NRA	ug/l	1	10	7.2	1	291	65	20	17	2	*1*	59	*1*	3	*1*	6	2	12	3	*1*	*1*	2	4	2	4	*1*	2	3	3
PHS	pH	LEACH_TOT	pH	0.01	5.5 - 9.5	6 - 9	5.32	8.09	65	0	8	8.09	7.56	5.9	7.48	5.91	6.38	6.67	5.32	7.28	5.53	7.04	6.91	7.48	6.64	6.76	6.21	7.92	7.33	6.05	6.4
SE	Selenium	LEACH_DISS	ug/l	1	10	-	1	2	65	64	0	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
SULWS	Sulphate	LEACH_TOT	mg/l	1	250	-	1	66.74	65	17	0	*1*	*1*	3.21	21.84	22.4	4.8	6.83	6.15	*1*	10.1	*1*	*1*	*1*	2.85	3.51	28.09	33.06	25.82	8.53	43.24
ZN	Zinc	LEACH_DISS	ug/l	1	5000	35.08	1	703	65	8	11	13	5	20	*1*	2	16	10	5	16	*1*	11	73	*1*	13	4	10	2	5	8	6

CNMT_GROUP Max of CNMT_RESLD (Multiple Items)

Key

red/pink = exceedance of assessment criteria (above detection limit only)

Notes:

This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the laboratory certificates or AGS for the original data. Reference should be made to the report text for further information on the water quality standards used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	Drinking Water Standard	EQS Freshwater / Site Specific PNEC	Min. Value	Max. Value	Total no. of results	No. of results <LOD	No. of results > EQS (DWS if EQS not available)	TP800/08 14/05563/ 1	TP800/11 14/05563/ 0.5	TP800/12 14/05563/ 1	TP800/14 14/05563/ 0.5	TP800/16 14/05790/ 0.5	TP800/16 14/05790/ 3	TP800/17 14/05790/ 0.5	TP800/17 14/05790/ 1	TP800/17 14/05790/ 3	TP800/18 14/05708/ 0.5	TP800/19 14/05764/ 0.5	TP800/20 14/05666/ 0.5	TP800/22 14/05632/ 0.5	TP800/22 14/05632/ 1.6	TP800/23 14/05632/ 0.5	TP800/23 14/05632/ 1	TP800/24A 14/05632/ 0.5	TP800/25 14/05632/ 0.5	TP800/25 14/05632/ 1	TP800/26 14/05632/ 0.5
AS	Arsenic	LEACHATE_NRA	ug/l	1	10	50	1	9	65	30	0	*1*	*1*	*1*	4	6	6	4	3	3	*1*	2	*1*	2	3	*1*	2	2	5	4	8
B	Boron	LEACH_CEN21	ug/l	10	-	-	10	121	65	26	-	19	38	18	33	*10*	*10*	18	18	19	28	38	32	*10*	15	*10*	*10*	*10*	*10*	18	37
CD	Cadmium	LEACH_DISS	ug/l	1	5	0.15	1	1	65	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CO	Cobalt	LEACH_CEN21	ug/l	1	-	-	1	4	65	58	-	*1*	*1*	*1*	*1*	*1*	*1*	2	*1*	*1*	*1*	*1*	*1*	*1*	3	*1*	*1*	*1*	*1*	*1*	2
CR	Chromium	LEACHATE_NRA	ug/l	1	50	4.7	1	18	65	30	12	*1*	*1*	*1*	*1*	6	9	6	4	6	*1*	2	*1*	4	*1*	2	4	2	10	7	7
CU	Copper	LEACH_DISS	ug/l	1	2000	21.4	1	4850	65	1	10	3	14	6	69	17	13	75	11	17	10	10	12	9	17	13	15	17	44	47	4850
HG	Mercury	LEACH_TOT	ug/l	0.1	1	0.07	0.1	0.3	65	61	65	*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*
MN	Manganese	LEACH_DISS	ug/l	1	50	266.45	1	2274	65	1	5	6	13	19	46	102	157	414	58	52	58	49	43	28	2274	155	195	104	154	127	202
MO	Molybdenum	LEACHATE_NRA	ug/l	1	-	-	1	57	65	40	-	*1*	*1*	*1*	4	*1*	*1*	3	3	5	*1*	*1*	*1*	2	*1*	*1*	*1*	*1*	4	4	4
NI	Nickel	LEACH_TOT	ug/l	1	20	13.61	1	240	65	31	1	*1*	2	2	2	3	4	5	2	*1*	*1*	2	3	2	2	*1*	3	2	5	6	240
PB	Lead	LEACHATE_NRA	ug/l	1	10	7.2	1	291	65	20	17	*1*	6	5	14	4	2	22	5	15	6	3	4	3	5	3	5	9	30	31	193
PHS	pH	LEACH_TOT	pH	0.01	5.5 - 9.5	6 - 9	5.32	8.09	65	0	8	6.55	6.21	6.5	6.81	7.36	6.9	7.36	7.55	7.51	6.83	6.5	5.97	7.8	7.41	7.62	7.61	7.65	7.7	7.58	7.72
SE	Selenium	LEACH_DISS	ug/l	1	10	-	1	2	65	64	0	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
SULWS	Sulphate	LEACH_TOT	mg/l	1	250	-	1	66.74	65	17	0	6.93	25.92	40.08	33.09	3.64	6.32	2.96	5.73	14.23	20.12	15.36	43.92	*1*	23.38	*1*	*1*	*1*	17.78	2	59.81
ZN	Zinc	LEACH_DISS	ug/l	1	5000	35.08	1	703	65	8	11	5	15	5	9	14	13	81	19	22	4	8	8	19	34	10	26	30	114	120	703

CNMT_GROUP Max of CNMT_RESLD (Multiple Items)

Key

red/pink = exceedance of assessment criteria (above detection limit only)

Notes:

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AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	Drinking Water Standard	EQS Freshwater / Site Specific PNEC	Min. Value	Max. Value	Total no. of results	No. of results <LOD	No. of results > EQS (DWS if EQS not available)	TP800/26 14/05632/ 1 DOnGl	TP800/27 14/05632/ 0.5 DOnGl	TP800/27 14/05632/ 1 DOnGl	TP800/28 14/05632/ 0.5 DOnGl	TP800/30 14/05632/ 0.5 DOnGl	TP800/31 14/05563/ 0.4 DOnGl	TP800/33 14/05563/ 1 DOnGl
AS	Arsenic	LEACHATE_NRA	ug/l	1	10	50	1	9	65	30	0	2	9	*1*	*1*	*1*	*1*	*1*
B	Boron	LEACH_CEN21	ug/l	10	-	-	10	121	65	26	-	51	34	19	14	*10*	27	24
CD	Cadmium	LEACH_DISS	ug/l	1	5	0.15	1	1	65	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CO	Cobalt	LEACH_CEN21	ug/l	1	-	-	1	4	65	58	-	*1*	4	*1*	*1*	*1*	*1*	*1*
CR	Chromium	LEACHATE_NRA	ug/l	1	50	4.7	1	18	65	30	12	3	18	3	2	3	*1*	12
CU	Copper	LEACH_DISS	ug/l	1	2000	21.4	1	4850	65	1	10	14	29	20	10	22	6	10
HG	Mercury	LEACH_TOT	ug/l	0.1	1	0.07	0.1	0.3	65	61	65	*0.1*	*0.1*	*0.1*	0.2	*0.1*	*0.1*	*0.1*
MN	Manganese	LEACH_DISS	ug/l	1	50	266.45	1	2274	65	1	5	6	530	30	50	189	16	14
MO	Molybdenum	LEACHATE_NRA	ug/l	1	-	-	1	57	65	40	-	4	*1*	4	*1*	*1*	*1*	*1*
NI	Nickel	LEACH_TOT	ug/l	1	20	13.61	1	240	65	31	1	*1*	9	2	2	2	*1*	5
PB	Lead	LEACHATE_NRA	ug/l	1	10	7.2	1	291	65	20	17	*1*	88	8	10	291	4	*1*
PHS	pH	LEACH_TOT	pH	0.01	5.5 - 9.5	6 - 9	5.32	8.09	65	0	8	7.99	6.65	7.94	5.94	6.92	6.11	7.02
SE	Selenium	LEACH_DISS	ug/l	1	10	-	1	2	65	64	0	*1*	2	*1*	*1*	*1*	*1*	*1*
SULWS	Sulphate	LEACH_TOT	mg/l	1	250	-	1	66.74	65	17	0	1.42	38.81	25.97	*1*	*1*	2.05	6.15
ZN	Zinc	LEACH_DISS	ug/l	1	5000	35.08	1	703	65	8	11	250	68	72	218	58	31	18

CNMT_GROUP Max of CNMT_RESLD PAH LEACHATE NRA

Key

red/pink = exceedance of assessment criteria (above detection limit only)

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AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	Drinking Water Standard	EQS Freshwater	Min. Value	Max. Value	Total no. of results	No. of results <LOD	PointID	TP700/1	TP700/1	TP700/10	TP700/11	TP700/12	TP700/12	TP700/13	TP700/14	TP700/15	TP700/16	TP700/17	TP700/18	TP700/19	TP700/2	TP700/20	TP700/22	TP700/23	TP700/23	TP700/23A	TP700/23A	TP700/24
											CLSS_SPEC																						
											Depth																						
											Phase																						
												14/02933/	14/02933/	14/02933/	14/02948/	14/02933/	14/02933/	14/02933/	14/02933/	14/03132/	14/03039/	14/02933/	14/02948/	14/03039/	14/02933/	14/02933/	14/02948/	14/03132/	14/03132/	14/03132/	14/03132/	14/03132/
												0.95	2	0.4	1	1	1.3	1	0.75	0.5	0.3	1	0.4	0.5	1.3	0.5	0.4	0.5	0.3	0.5	1	0.1
												DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
ACNAP	Acenaphthylene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.04	65	59		*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.03	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
ACNEN	Acenaphthene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.44	65	47		0.03	*0.02*	*0.02*	0.06	0.11	*0.02*	*0.02*	0.09	0.04	0.03	*0.02*	*0.02*	*0.02*	0.44	0.03	0.06	0.05	*0.02*	*0.02*	0.13	*0.02*
ANTHN	Anthracene	LEACHATE_NRA	ug/l	0.02	-	0.1	0.02	0.03	65	63		*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENA	Benzo(a)anthracene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.05	65	63		*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENAP	Benzo(a)pyrene	LEACHATE_NRA	ug/l	0.02	-	0.00017	0.02	0.03	65	65		*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENB	Benzo(b)fluoranthene	LEACHATE_NRA	ug/l	0.02	-	0.017	0.02	0.03	65	65		*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENGI	Benzo(ghi)perylene	LEACHATE_NRA	ug/l	0.02	-	0.0082	0.02	0.03	65	65		*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENK	Benzo(k)fluoranthene	LEACHATE_NRA	ug/l	0.02	-	0.017	0.02	0.03	65	65		*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
CRYN	Chrysene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	64		*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
DIABN	Dibenzo(ah)anthracene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	64		*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
FLN	Fluorene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	64		*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
FLNN	Fluoranthene	LEACHATE_NRA	ug/l	0.02	-	0.0063	0.02	0.04	65	63		*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
INDP	Indeno(123-cd)pyrene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	64		*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
NAPTHH	Naphthalene	LEACHATE_NRA	ug/l	0.02	-	2	0.02	0.78	65	18		0.11	*0.02*	0.15	0.07	0.19	0.15	0.19	0.25	0.27	*0.02*	0.08	*0.02*	0.11	0.78	0.34	0.2	0.09	*0.02*	*0.02*	0.09	0.06
PAHS	Total PAH	LEACHATE_NRA	ug/l	0.02	-	-	0.02	1.27	65	14		0.23	*0.02*	0.15	0.13	0.34	0.15	0.19	0.34	0.31	0.05	0.08	*0.02*	0.13	1.27	0.37	0.26	0.14	*0.02*	*0.02*	0.22	0.06
PPENN	Phenanthrene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.04	65	62		0.05	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
PYRN	Pyrene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	62		*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*

CNMT_GROUP Max of CNMT_RESLD PAH LEACHATE NRA

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AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	Drinking Water Standard	EQS Freshwater	Min. Value	Max. Value	Total no. of results	No. of results <LOD	TP700/27 14/03039/ 0.3	TP700/28 14/03039/ 0.5	TP700/29 14/03132/ 0.5	TP700/3 14/02933/ 0.95	TP700/39 14/02933/ 0.5	TP700/49 14/02894/ 0.5	TP700/5 14/02933/ 0.8	TP700/7 14/02933/ 0.4	TP700/7 14/02933/ 0.9	TP700/8 14/02933/ 0.4	TP700/9 14/02933/ 0.8	TP700/9 14/02933/ 1.5	TP800/01 14/05824/ 0.5	TP800/02 14/05824/ 0.5	TP800/04 14/05708/ 0.5	TP800/05 14/05666/ 0.5	TP800/07 14/05563/ 0.5	TP800/08 14/05563/ 1	TP800/11 14/05563/ 0.5	TP800/12 14/05563/ 1	TP800/14 14/05563/ 0.5
											DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
ACNAP	Acenaphthylene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.04	65	59	*0.02*	*0.02*	*0.02*	*0.02*	0.04	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.03	0.03	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
ACNEN	Acenaphthene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.44	65	47	*0.02*	0.03	0.04	*0.02*	0.03	0.03	*0.02*	*0.02*	*0.02*	*0.02*	0.03	0.1	*0.02*	0.03	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
ANTHN	Anthracene	LEACHATE_NRA	ug/l	0.02	-	0.1	0.02	0.03	65	63	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.03	*0.02*	0.03	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENA	Benzo(a)anthracene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.05	65	63	*0.02*	*0.02*	*0.02*	0.05	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.03	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENAP	Benzo(a)pyrene	LEACHATE_NRA	ug/l	0.02	-	0.00017	0.02	0.03	65	65	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.03	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENB	Benzo(b)fluoranthene	LEACHATE_NRA	ug/l	0.02	-	0.017	0.02	0.03	65	65	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.03	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENGI	Benzo(ghi)perylene	LEACHATE_NRA	ug/l	0.02	-	0.0082	0.02	0.03	65	65	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.03	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENK	Benzo(k)fluoranthene	LEACHATE_NRA	ug/l	0.02	-	0.017	0.02	0.03	65	65	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.03	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
CRYN	Chrysene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	64	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.03	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
DIABN	Dibenzo(ah)anthracene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	64	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.03	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
FLN	Fluorene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	64	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.03	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
FLNN	Fluoranthene	LEACHATE_NRA	ug/l	0.02	-	0.0063	0.02	0.04	65	63	*0.02*	*0.02*	*0.02*	0.03	0.04	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.03	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
INDP	Indeno(123-cd)pyrene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	64	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.03	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
NAPTHH	Naphthalene	LEACHATE_NRA	ug/l	0.02	-	2	0.02	0.78	65	18	*0.02*	0.17	0.24	0.13	0.11	*0.02*	0.22	0.12	*0.02*	0.15	0.3	0.42	0.05	0.03	0.11	0.17	*0.02*	0.08	0.06	0.04	*0.02*
PAHS	Total PAH	LEACHATE_NRA	ug/l	0.02	-	-	0.02	1.27	65	14	*0.02*	0.24	0.28	0.24	0.27	0.03	0.24	0.12	*0.02*	0.15	0.33	0.59	0.08	0.03	0.11	0.17	*0.02*	0.08	0.06	0.04	*0.02*
PPENN	Phenanthrene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.04	65	62	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.04	*0.02*	0.03	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
PYRN	Pyrene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	62	*0.02*	*0.02*	*0.02*	0.03	0.03	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.03	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*

CNMT_GROUP Max of CNMT_RESLD PAH LEACHATE NRA

Key

red/pink = exceedance of assessment criteria (above detection limit only)

Notes:

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AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	Drinking Water Standard	EQS Freshwater	Min. Value	Max. Value	Total no. of results	No. of results <LOD	TP800/16 14/05790/ 0.5	TP800/16 14/05790/ 3	TP800/17 14/05790/ 0.5	TP800/17 14/05790/ 1	TP800/17 14/05790/ 3	TP800/18 14/05708/ 0.5	TP800/19 14/05764/ 0.5	TP800/20 14/05666/ 0.5	TP800/22 14/05632/ 0.5	TP800/22 14/05632/ 1.6	TP800/23 14/05632/ 0.5	TP800/23 14/05632/ 1	TP800/24A 14/05632/ 0.5	TP800/25 14/05632/ 0.5	TP800/25 14/05632/ 1	TP800/26 14/05632/ 0.5	TP800/26 14/05632/ 1	TP800/27 14/05632/ 0.5	TP800/27 14/05632/ 1	TP800/28 14/05632/ 0.5	TP800/30 14/05632/ 0.5
											DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
ACNAP	Acenaphthylene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.04	65	59	*0.02*	0.03	*0.02*	*0.02*	*0.02*	*0.02*	0.03	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
ACNEN	Acenaphthene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.44	65	47	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
ANTHN	Anthracene	LEACHATE_NRA	ug/l	0.02	-	0.1	0.02	0.03	65	63	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENA	Benzo(a)anthracene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.05	65	63	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENAP	Benzo(a)pyrene	LEACHATE_NRA	ug/l	0.02	-	0.00017	0.02	0.03	65	65	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENB	Benzo(b)fluoranthene	LEACHATE_NRA	ug/l	0.02	-	0.017	0.02	0.03	65	65	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENGI	Benzo(ghi)perylene	LEACHATE_NRA	ug/l	0.02	-	0.0082	0.02	0.03	65	65	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
BENK	Benzo(k)fluoranthene	LEACHATE_NRA	ug/l	0.02	-	0.017	0.02	0.03	65	65	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
CRYN	Chrysene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	64	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
DIABN	Dibenzo(ah)anthracene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	64	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
FLN	Fluorene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	64	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
FLNN	Fluoranthene	LEACHATE_NRA	ug/l	0.02	-	0.0063	0.02	0.04	65	63	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
INDP	Indeno(123-cd)pyrene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	64	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
NAPTHH	Naphthalene	LEACHATE_NRA	ug/l	0.02	-	2	0.02	0.78	65	18	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.1	*0.02*	0.19	0.07	*0.02*	0.1	0.08	0.12	0.08	0.09	0.13	0.09	0.13	0.13	0.13	0.1
PAHS	Total PAH	LEACHATE_NRA	ug/l	0.02	-	-	0.02	1.27	65	14	*0.02*	0.03	*0.02*	*0.02*	*0.02*	0.1	0.03	0.19	0.07	*0.02*	0.1	0.08	0.12	0.08	0.09	0.13	0.09	0.13	0.13	0.15	0.1
PPENN	Phenanthrene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.04	65	62	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
PYRN	Pyrene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	62	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*

CNMT_GROUP Max of CNMT_RESLD PAH LEACHATE NRA

Key

red/pink = exceedance of assessment criteria (above detection limit only)

Notes:

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											TP800/31	TP800/33
											14/05563/	14/05563/
											0.4	1
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**	**Drinking Water Standard**	**EQS Freshwater**	**Min. Value**	**Max. Value**	**Total no. of results**	**No. of results <LOD**	DOnGI	DOnGI
ACNAP	Acenaphthylene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.04	65	59	*0.02*	*0.02*
ACNEN	Acenaphthene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.44	65	47	*0.02*	*0.02*
ANTHN	Anthracene	LEACHATE_NRA	ug/l	0.02	-	0.1	0.02	0.03	65	63	*0.02*	*0.02*
BENA	Benzo(a)anthracene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.05	65	63	*0.02*	*0.02*
BENAP	Benzo(a)pyrene	LEACHATE_NRA	ug/l	0.02	-	0.00017	0.02	0.03	65	65	*0.02*	*0.02*
BENB	Benzo(b)fluoranthene	LEACHATE_NRA	ug/l	0.02	-	0.017	0.02	0.03	65	65	*0.02*	*0.02*
BENGI	Benzo(ghi)perylene	LEACHATE_NRA	ug/l	0.02	-	0.0082	0.02	0.03	65	65	*0.02*	*0.02*
BENK	Benzo(k)fluoranthene	LEACHATE_NRA	ug/l	0.02	-	0.017	0.02	0.03	65	65	*0.02*	*0.02*
CRYN	Chrysene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	64	*0.02*	*0.02*
DIABN	Dibenzo(ah)anthracene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	64	*0.02*	*0.02*
FLN	Fluorene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	64	*0.02*	*0.02*
FLNN	Fluoranthene	LEACHATE_NRA	ug/l	0.02	-	0.0063	0.02	0.04	65	63	*0.02*	*0.02*
INDP	Indeno(123-cd)pyrene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	64	*0.02*	*0.02*
NAPTHH	Naphthalene	LEACHATE_NRA	ug/l	0.02	-	2	0.02	0.78	65	18	0.06	*0.02*
PAHS	Total PAH	LEACHATE_NRA	ug/l	0.02	-	-	0.02	1.27	65	14	0.06	*0.02*
PPENN	Phenanthrene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.04	65	62	*0.02*	*0.02*
PYRN	Pyrene	LEACHATE_NRA	ug/l	0.02	-	-	0.02	0.03	65	62	*0.02*	*0.02*

CNMT_GROUP Max of CNMT_RESLD (Multiple Items)

Key

red/pink = exceedance of assessment criteria (above detection limit only)

Notes:

This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the laboratory certificates or AGS for the original data. Reference should be made to the report text for further information on the water quality standards used.

											PointID	CLSS_SPEC_RI	Depth	Phase														
											TP700/1	TP700/1	TP700/10	TP700/11	TP700/12	TP700/12	TP700/13	TP700/14	TP700/15	TP700/16	TP700/17	TP700/18	TP700/19	TP700/2	TP700/20	TP700/22	TP700/23	TP700/23	TP700/23A
											14/02933/6	14/02933/8	14/02933/22	14/02948/2	14/02933/26	14/02933/	14/02933/	14/02933/	14/03132/	14/03039/	14/02933/	14/02948/	14/03039/	14/02933/	14/02933/	14/02948/	14/03132/	14/03132/	14/03132/
											0.95	2	0.4	1	1	1.3	1	0.75	0.5	0.3	1	0.4	0.5	1.3	0.5	0.4	0.5	0.3	0.5
AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	Drinking Water Standard	EQS Freshwater	Min. Value	Max. Value	Total no. of results	No. of results <LOD	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
BENZ	BTEX - Benzene	LEACHATE_NRA	ug/l	1	1	10	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C05C06GAL	Ali >C5-C6	LEACH_TOT	ug/l	1	-	-	1	5	65	39	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C05C07GAR	Aro >C5-C7	LEACHATE_NRA	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C05C35GAL	Total Aliphatics	LEACH_TOT	ug/l	10	-	-	10	263	65	61	263	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	27	*10*	*10*	*10*	*10*	*10*
C05C35GALAR	TPH (Ali & Aro)	LEACH_TOT	ug/l	10	10	-	10	455	65	60	455	*10*	*10*	*10*	*10*	11	*10*	*10*	*10*	*10*	*10*	*10*	92	*10*	*10*	*10*	*10*	*10*
C05C35GAR	Total Aromatics	LEACH_TOT	ug/l	10	-	-	10	192	65	60	192	*10*	*10*	*10*	*10*	11	*10*	*10*	*10*	*10*	*10*	*10*	65	*10*	*10*	*10*	*10*	*10*
C06C08GAL	Ali >C6-C8	LEACH_TOT	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C07C08GAR	Aro >C7-C8	LEACHATE_NRA	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C08C09GAR	Aro >C8-C9	LEACHATE_NRA	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C08C10GAL	Ali >C8-C10	LEACH_TOT	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C09C10GAR	Aro >C9-C10	LEACHATE_NRA	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C10C12GAL	Ali >C10-C12	LEACH_TOT	ug/l	10	-	-	10	10	65	65	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
C10C12GAR	Aro >C10-C12	LEACHATE_NRA	ug/l	10	-	-	10	10	65	65	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
C12C16GAL	Ali >C12-C16	LEACH_TOT	ug/l	10	-	-	10	22	65	63	22	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
C12C16GAR	Aro >C12-C16	LEACHATE_NRA	ug/l	10	-	-	10	23	65	60	21	*10*	*10*	*10*	*10*	11	*10*	*10*	*10*	*10*	*10*	*10*	19	*10*	*10*	*10*	*10*	*10*
C16C21GAL	Ali >C16-C21	LEACH_TOT	ug/l	10	-	-	10	242	65	61	242	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	27	*10*	*10*	*10*	*10*	*10*
C16C21GAR	Aro >C16-C21	LEACHATE_NRA	ug/l	10	-	-	10	171	65	61	171	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	46	*10*	*10*	*10*	*10*	*10*
C21C35GAL	Ali >C21-C35	LEACH_TOT	ug/l	10	-	-	10	10	65	65	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
C21C35GAR	Aro >C21-C35	LEACH_TOT	ug/l	10	-	-	10	24	65	64	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
ETHYL	BTEX - Ethyl Benzene	LEACH_TOT	ug/l	1	-	20	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
MTBE	MTBE	LEACHATE_NRA	ug/l	1	-	-	1	4	65	39	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
MXYL	BTEX - m & p Xylene	LEACH_TOT	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
OXYL	BTEX - o Xylene	LEACH_TOT	ug/l	1	-	30	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TOL	BTEX - Toluene	LEACH_TOT	ug/l	1	-	74	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*

CNMT_GROUP Max of CNMT_RESLD (Multiple Items)

Key

red/pink = exceedance of assessment criteria (above detection limit only)

Notes:

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AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	Drinking Water Standard	EQS Freshwater	Min. Value	Max. Value	Total no. of results	No. of results <LOD	TP700/23A 14/03132/ 1 DOnGI	TP700/24 14/03132/ 0.1 DOnGI	TP700/27 14/03039/ 0.3 DOnGI	TP700/28 14/03039/ 0.5 DOnGI	TP700/29 14/03132/ 0.5 DOnGI	TP700/3 14/02933/ 0.95 DOnGI	TP700/39 14/02933/ 0.5 DOnGI	TP700/49 14/02894/ 0.5 DOnGI	TP700/5 14/02933/ 0.8 DOnGI	TP700/7 14/02933/ 0.4 DOnGI	TP700/7 14/02933/ 0.9 DOnGI	TP700/8 14/02933/ 0.4 DOnGI	TP700/9 14/02933/ 0.8 DOnGI	TP700/9 14/02933/ 1.5 DOnGI	TP800/01 14/05824/ 0.5 DOnGI	TP800/02 14/05824/ 0.5 DOnGI	TP800/04 14/05708/ 0.5 DOnGI	TP800/05 14/05666/ 0.5 DOnGI	TP800/07 14/05563/ 0.5 DOnGI	TP800/08 14/05563/ 1 DOnGI
BENZ	BTEX - Benzene	LEACHATE_NRA	ug/l	1	1	10	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C05C06GAL	Ali >C5-C6	LEACH_TOT	ug/l	1	-	-	1	5	65	39	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	3	*1*	*1*	2	2	2
C05C07GAR	Aro >C5-C7	LEACHATE_NRA	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C05C35GAL	Total Aliphatics	LEACH_TOT	ug/l	10	-	-	10	263	65	61	*10*	*10*	*10*	*10*	*10*	*10*	55	*10*	*10*	*10*	*10*	*10*	*10*	89	*10*	*10*	*10*	*10*	*10*	*10*
C05C35GALAR	TPH (Ali & Aro)	LEACH_TOT	ug/l	10	10	-	10	455	65	60	*10*	*10*	*10*	*10*	*10*	*10*	108	*10*	*10*	*10*	*10*	*10*	*10*	247	*10*	*10*	*10*	*10*	*10*	*10*
C05C35GAR	Total Aromatics	LEACH_TOT	ug/l	10	-	-	10	192	65	60	*10*	*10*	*10*	*10*	*10*	*10*	53	*10*	*10*	*10*	*10*	*10*	*10*	158	*10*	*10*	*10*	*10*	*10*	*10*
C06C08GAL	Ali >C6-C8	LEACH_TOT	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C07C08GAR	Aro >C7-C8	LEACHATE_NRA	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C08C09GAR	Aro >C8-C9	LEACHATE_NRA	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C08C10GAL	Ali >C8-C10	LEACH_TOT	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C09C10GAR	Aro >C9-C10	LEACHATE_NRA	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C10C12GAL	Ali >C10-C12	LEACH_TOT	ug/l	10	-	-	10	10	65	65	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
C10C12GAR	Aro >C10-C12	LEACHATE_NRA	ug/l	10	-	-	10	10	65	65	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
C12C16GAL	Ali >C12-C16	LEACH_TOT	ug/l	10	-	-	10	22	65	63	*10*	*10*	*10*	*10*	*10*	*10*	14	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
C12C16GAR	Aro >C12-C16	LEACHATE_NRA	ug/l	10	-	-	10	23	65	60	*10*	*10*	*10*	*10*	*10*	*10*	14	*10*	*10*	*10*	*10*	*10*	*10*	23	*10*	*10*	*10*	*10*	*10*	*10*
C16C21GAL	Ali >C16-C21	LEACH_TOT	ug/l	10	-	-	10	242	65	61	*10*	*10*	*10*	*10*	*10*	*10*	41	*10*	*10*	*10*	*10*	*10*	*10*	89	*10*	*10*	*10*	*10*	*10*	*10*
C16C21GAR	Aro >C16-C21	LEACHATE_NRA	ug/l	10	-	-	10	171	65	61	*10*	*10*	*10*	*10*	*10*	*10*	40	*10*	*10*	*10*	*10*	*10*	*10*	111	*10*	*10*	*10*	*10*	*10*	*10*
C21C35GAL	Ali >C21-C35	LEACH_TOT	ug/l	10	-	-	10	10	65	65	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
C21C35GAR	Aro >C21-C35	LEACH_TOT	ug/l	10	-	-	10	24	65	64	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	24	*10*	*10*	*10*	*10*	*10*	*10*
ETHYL	BTEX - Ethyl Benzene	LEACH_TOT	ug/l	1	-	20	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
MTBE	MTBE	LEACHATE_NRA	ug/l	1	-	-	1	4	65	39	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	3	*1*	*1*	2	2	2
MXYL	BTEX - m & p Xylene	LEACH_TOT	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
OXYL	BTEX - o Xylene	LEACH_TOT	ug/l	1	-	30	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TOL	BTEX - Toluene	LEACH_TOT	ug/l	1	-	74	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*

CNMT_GROUP Max of CNMT_RESLD (Multiple Items)

Key

red/pink = exceedance of assessment criteria (above detection limit only)

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											TP800/11	TP800/12	TP800/14	TP800/16	TP800/16	TP800/17	TP800/17	TP800/17	TP800/18	TP800/19	TP800/20	TP800/22	TP800/22	TP800/23	TP800/23	TP800/24A	TP800/25	TP800/25	TP800/26	TP800/26
											14/05563/	14/05563/	14/05563/	14/05790/	14/05790/	14/05790/	14/05790/	14/05790/	14/05708/	14/05764/	14/05666/	14/05632/	14/05632/	14/05632/	14/05632/	14/05632/	14/05632/	14/05632/	14/05632/	14/05632/
											0.5	1	0.5	0.5	3	0.5	1	3	0.5	0.5	0.5	0.5	1.6	0.5	1	0.5	0.5	1	0.5	1
AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	Drinking Water Standard	EQS Freshwater	Min. Value	Max. Value	Total no. of results	No. of results <LOD	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
BENZ	BTEX - Benzene	LEACHATE_NRA	ug/l	1	1	10	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C05C06GAL	Ali >C5-C6	LEACH_TOT	ug/l	1	-	-	1	5	65	39	2	3	3	5	4	5	3	3	2	*1*	3	2	2	2	2	2	2	*1*	*1*
C05C07GAR	Aro >C5-C7	LEACHATE_NRA	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C05C35GAL	Total Aliphatics	LEACH_TOT	ug/l	10	-	-	10	263	65	61	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
C05C35GALAR	TPH (Ali & Aro)	LEACH_TOT	ug/l	10	10	-	10	455	65	60	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
C05C35GAR	Total Aromatics	LEACH_TOT	ug/l	10	-	-	10	192	65	60	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
C06C08GAL	Ali >C6-C8	LEACH_TOT	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C07C08GAR	Aro >C7-C8	LEACHATE_NRA	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C08C09GAR	Aro >C8-C9	LEACHATE_NRA	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C08C10GAL	Ali >C8-C10	LEACH_TOT	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C09C10GAR	Aro >C9-C10	LEACHATE_NRA	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
C10C12GAL	Ali >C10-C12	LEACH_TOT	ug/l	10	-	-	10	10	65	65	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
C10C12GAR	Aro >C10-C12	LEACHATE_NRA	ug/l	10	-	-	10	10	65	65	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
C12C16GAL	Ali >C12-C16	LEACH_TOT	ug/l	10	-	-	10	22	65	63	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
C12C16GAR	Aro >C12-C16	LEACHATE_NRA	ug/l	10	-	-	10	23	65	60	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
C16C21GAL	Ali >C16-C21	LEACH_TOT	ug/l	10	-	-	10	242	65	61	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
C16C21GAR	Aro >C16-C21	LEACHATE_NRA	ug/l	10	-	-	10	171	65	61	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
C21C35GAL	Ali >C21-C35	LEACH_TOT	ug/l	10	-	-	10	10	65	65	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
C21C35GAR	Aro >C21-C35	LEACH_TOT	ug/l	10	-	-	10	24	65	64	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
ETHYL	BTEX - Ethyl Benzene	LEACH_TOT	ug/l	1	-	20	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
MTBE	MTBE	LEACHATE_NRA	ug/l	1	-	-	1	4	65	39	3	4	3	3	2	3	2	2	2	*1*	2	2	2	2	2	2	2	*1*	*1*
MXYL	BTEX - m & p Xylene	LEACH_TOT	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
OXYL	BTEX - o Xylene	LEACH_TOT	ug/l	1	-	30	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TOL	BTEX - Toluene	LEACH_TOT	ug/l	1	-	74	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*

CNMT_GROUP Max of CNMT_RESLD (Multiple Items)

Key

red/pink = exceedance of assessment criteria (above detection limit only)

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											TP800/27	TP800/27	TP800/28	TP800/30	TP800/31	TP800/33
											14/05632/	14/05632/1	14/05632/	14/05632/	14/05563/	14/05563/4
											0.5	1	0.5	0.5	0.4	1
AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	Drinking Water Standard	EQS Freshwater	Min. Value	Max. Value	Total no. of results	No. of results <LOD	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
BENZ	BTEX - Benzene	LEACHATE_NRA	ug/l	1	1	10	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*
C05C06GAL	Ali >C5-C6	LEACH_TOT	ug/l	1	-	-	1	5	65	39	2	*1*	2	2	2	2
C05C07GAR	Aro >C5-C7	LEACHATE_NRA	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*
C05C35GAL	Total Aliphatics	LEACH_TOT	ug/l	10	-	-	10	263	65	61	*10*	*10*	*10*	*10*	*10*	*10*
C05C35GALAR	TPH (Ali & Aro)	LEACH_TOT	ug/l	10	10	-	10	455	65	60	*10*	*10*	*10*	*10*	*10*	*10*
C05C35GAR	Total Aromatics	LEACH_TOT	ug/l	10	-	-	10	192	65	60	*10*	*10*	*10*	*10*	*10*	*10*
C06C08GAL	Ali >C6-C8	LEACH_TOT	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*
C07C08GAR	Aro >C7-C8	LEACHATE_NRA	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*
C08C09GAR	Aro >C8-C9	LEACHATE_NRA	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*
C08C10GAL	Ali >C8-C10	LEACH_TOT	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*
C09C10GAR	Aro >C9-C10	LEACHATE_NRA	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*
C10C12GAL	Ali >C10-C12	LEACH_TOT	ug/l	10	-	-	10	10	65	65	*10*	*10*	*10*	*10*	*10*	*10*
C10C12GAR	Aro >C10-C12	LEACHATE_NRA	ug/l	10	-	-	10	10	65	65	*10*	*10*	*10*	*10*	*10*	*10*
C12C16GAL	Ali >C12-C16	LEACH_TOT	ug/l	10	-	-	10	22	65	63	*10*	*10*	*10*	*10*	*10*	*10*
C12C16GAR	Aro >C12-C16	LEACHATE_NRA	ug/l	10	-	-	10	23	65	60	*10*	*10*	*10*	*10*	*10*	*10*
C16C21GAL	Ali >C16-C21	LEACH_TOT	ug/l	10	-	-	10	242	65	61	*10*	*10*	*10*	*10*	*10*	*10*
C16C21GAR	Aro >C16-C21	LEACHATE_NRA	ug/l	10	-	-	10	171	65	61	*10*	*10*	*10*	*10*	*10*	*10*
C21C35GAL	Ali >C21-C35	LEACH_TOT	ug/l	10	-	-	10	10	65	65	*10*	*10*	*10*	*10*	*10*	*10*
C21C35GAR	Aro >C21-C35	LEACH_TOT	ug/l	10	-	-	10	24	65	64	*10*	*10*	*10*	*10*	*10*	*10*
ETHYL	BTEX - Ethyl Benzene	LEACH_TOT	ug/l	1	-	20	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*
MTBE	MTBE	LEACHATE_NRA	ug/l	1	-	-	1	4	65	39	3	*1*	2	2	2	2
MXYL	BTEX - m & p Xylene	LEACH_TOT	ug/l	1	-	-	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*
OXYL	BTEX - o Xylene	LEACH_TOT	ug/l	1	-	30	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*
TOL	BTEX - Toluene	LEACH_TOT	ug/l	1	-	74	1	1	65	65	*1*	*1*	*1*	*1*	*1*	*1*

CNMT_GROUP Max of CNMT_RESLD (Multiple Items)

Key

red/pink = exceedance of assessment criteria (above detection limit only)

Notes:

This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the laboratory certificates or AGS for the original data, including which results were recorded less than detection. Reference should be made to the report text for further information on the water quality standards used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	Drinking Water Standard	EQS Freshwater	Min. Value	Max. Value	Total no. of results	No. of results <LOD		PointID	CLSS_SPEC	Depth	Phase											
												TP700/1	TP700/1	TP700/10	TP700/12	TP700/12	TP700/14	TP700/2	TP700/22	TP700/23	TP700/23A	TP700/23A	TP700/24	TP700/3	TP700/5	TP700/7
												14/02933/	14/02933/	14/02933/	14/02933/	14/02933/	14/02933/	14/02933/	14/02948/	14/03132/	14/03132/	14/03132/	14/03132/	14/02933/	14/02933/	14/02933/
												0.95	2	0.4	1	1.3	0.75	1.3	0.4	0.3	0.5	1	0.1	0.95	0.8	0.4
												DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
1112TCE	1,1,1,2-Tetrachloroethane	LEACH_DISS	ug/l	1	-	140	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
111TCE	1,1,1-Trichloroethane	LEACH_DISS	ug/l	1	-	100	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
1122TCE	1,1,2,2-Tetrachloroethane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
112TCE	1,1,2-Trichloroethane	LEACH_DISS	ug/l	1	-	400	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
11DCP	1,1-Dichloropropene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
11DEA	1,1-Dichloroethane	LEACH_DISS	ug/l	1	-	10	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
11DEE	1,1-Dichloroethene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
123TCB	1,2,3-Trichlorobenzene	LEACH_DISS	ug/l	3	-	0.4	3	3	40	40	-	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*
123TCP	1,2,3-Trichloropropane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
124TCB	1,2,4-Trichlorobenzene	LEACH_DISS	ug/l	3	-	-	3	3	40	40	-	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*
124TCB	1,2,4-Trichlorobenzene	LEACH_DISS_SVOC	ug/l	2	-	-	2	2	16	16	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
124TMB	1,2,4-Trimethylbenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
12D3C	1,2-Dibromo-3-chloropropane	LEACH_DISS	ug/l	2	-	-	2	2	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
12DB	1,2-Dichlorobenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
12DB	1,2-Dichlorobenzene	LEACH_DISS_SVOC	ug/l	2	-	-	2	2	16	16	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
12DEA	1,2-Dichloroethane	LEACH_DISS	ug/l	2	-	-	2	2	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
12DEE	cis 1,2-Dichloroethene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
12DIB	1,2-Dibromoethane	LEACH_DISS	ug/l	1	-	-	1	3	40	35	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
12DP	1,2-Dichloropropane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
135TMB	1,3,5-Trimethylbenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
13DB	1,3-Dichlorobenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
13DB	1,3-Dichlorobenzene	LEACH_DISS_SVOC	ug/l	2	-	-	2	2	16	16	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
13DCPE	cis 1,3-Dichloropropene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
13DP	1,3-Dichloropropane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
14DB	1,4-Dichlorobenzene	LEACH_DISS	ug/l	1	-	20	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
14DB	1,4-Dichlorobenzene	LEACH_DISS_SVOC	ug/l	2	-	20	2	2	16	16	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
22DP	2,2-Dichloropropane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
245TCP	2,4,5-Trichlorophenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
246TCP	2,4,6-Trichlorophenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
24DCP	2,4-Dichlorophenol	LEACH_DISS_SVOC	ug/l	2	-	4.2	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
24DMP	2,4-Dimethylphenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
24DNP	2,4-Dinitrophenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
24DNT	2,4-Dinitrotoluene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
26DNT	2,6-Dinitrotoluene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
2CNAP	2-Chloronaphthalene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
2CP	2-Chlorophenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
2CT	2-Chlorotoluene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
2MNAP	2-Methylnaphthalene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
2MP	2-Methylphenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
2NP	2-Nitrophenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
46DN2MP	4,6-Dinitro-2-methylphenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
4BPPE		LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
4C3MP	4-Chloro-3-methylphenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
4CT	4-Chlorotoluene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
4IPT	4-Isopropyltoluene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
4MP	4-Methylphenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
4NP	4-Nitrophenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
ACNAP	Acenaphthylene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
ACNEN	Acenaphthene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
ANTHN	Anthracene	LEACH_DISS_SVOC	ug/l	2	-	0.1	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
B2CEE2	Bis(2-chloroethyl)ether	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
B2CEM	Bis(2-chloroethoxy)methane	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
B2CIPE	Bis(2-chloroisopropyl)ether	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
B2EHP	Bis(2-ethylhexyl)phthalate	LEACH_DISS_SVOC	ug/l	4	-	1.3	4	8	40	40	-	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*
BBP	Butylbenzyl phthalate SVOC	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
BENA	Benzo(a)anthracene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
BENAP	Benzo(a)pyrene	LEACH_DISS_SVOC	ug/l	2	-	0.00017	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
BENB	Benzo(b)fluoranthene	LEACH_DISS_SVOC	ug/l	2	-	0.017	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
BENGI	Benzo(ghi)perylene	LEACH_DISS_SVOC	ug/l	2	-	0.0082	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
BENK	Benzo(k)fluoranthene	LEACH_DISS_SVOC	ug/l	2	-	0.017	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
BENZ	BTEX - Benzene	LEACH_DISS	ug/l	1	1	10	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BROMBE	Bromobenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BROMCM	Bromochloromethane	LEACH_DISS	ug/l	5	-	-	5	5	40	40	-	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
BROMF	Bromoform	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BROMM	Bromomethane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BROMO	Bromodichloromethane	LEACH_DISS	ug/l	10	-	-	10	10	40	40	-	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
CBENZ	Chlorobenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CBZ	Carbazole	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
CDS	Carbon Disulphide	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CETH	Chloroethane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CFM	Chloroform	LEACH_DISS	ug/l	25	-	2.5	25	25	40	40	-	*25*	*25*	*25*	*25*	*25*	*25*	*25*	*25*	*25*	*25*	*25*	*25*	*25*	*25*	*25*
CMN	Chloromethane	LEACH_DISS	ug/l	1	-	-	1	3	40	39	-	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CRYN	Chrysene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*

CNMT_GROUP Max of CNMT_RESLD (Multiple Items)

Key

red/pink = exceedance of assessment criteria (above detection limit only)

Notes:

This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the laboratory certificates or AGS for the original data, including which results were recorded less than detection. Reference should be made to the report text for further information on the water quality standards used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	Drinking Water Standard	EQS Freshwater	Min. Value	Max. Value	Total no. of results	No. of results <LOD		PointID	CLSS_SPEC	Depth	Phase											
												TP700/1	TP700/1	TP700/10	TP700/12	TP700/12	TP700/14	TP700/2	TP700/22	TP700/23	TP700/23A	TP700/23A	TP700/24	TP700/3	TP700/5	TP700/7
												14/02933/	14/02933/	14/02933/	14/02933/	14/02933/	14/02933/	14/02933/	14/02948/	14/03132/	14/03132/	14/03132/	14/03132/	14/02933/	14/02933/	14/02933/
												0.95	2	0.4	1	1.3	0.75	1.3	0.4	0.3	0.5	1	0.1	0.95	0.8	0.4
CTET	Carbon Tetrachloride	LEACH_DISS	ug/l	1	-	12	1	1	40	40	-	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
DBF	Dibenzofuran	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
DCFM	Dichlorodifluoromethane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEP	Diethyl phthalate	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
DIABN	Dibenzo(ah)anthracene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
DIBM	Dibromochloromethane	LEACH_DISS	ug/l	3	-	-	3	3	40	40	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
DIBROM	Dibromomethane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DICM	Dichloromethane VOC	LEACH_DISS	ug/l	100	-	20	100	100	40	40	-	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
DIMP	Dimethyl phthalate	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
DNBP	n-Dibutylphthalate	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
DNOP	n-Dioctylphthalate	LEACH_DISS_SVOC	ug/l	10	-	-	10	20	40	40	-	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
ETHYL	BTEX - Ethyl Benzene	LEACH_DISS	ug/l	1	-	20	1	1	40	40	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FLN	Fluorene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
FLNN	Fluoranthene	LEACH_DISS_SVOC	ug/l	2	-	0.0063	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
HCCP	Hexachlorocyclopentadiene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
HCE	Hexachloroethane	LEACH_DISS	ug/l	2	-	-	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
HCHLB	Hexachlorobenzene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
HEXBUT	Hexachlorobutadiene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
HEXBUT	Hexachlorobutadiene	LEACH_DISS_SVOC	ug/l	2	-	-	2	2	16	16	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
INDP	Indeno(123-cd)pyrene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
IPB	Isopropylbenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ISOP	Isophorone	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MXYL	BTEX - m & p Xylene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NAPTHH	Naphthalene	LEACH_DISS_SVOC	ug/l	2	-	2	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
NBUT	n-Butylbenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NITB	Nitrobenzene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
NNNP	n-Nitroso-n-dipropylamine	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
NPB	n-Propylbenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OXYL	BTEX - o Xylene	LEACH_DISS	ug/l	1	-	30	1	1	40	40	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PERYL	Perylene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
PHE	Phenol SVOC	LEACH_DISS_SVOC	ug/l	2	-	-	2	7	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
PNCP	Pentachlorophenol	LEACH_DISS_SVOC	ug/l	2	-	0.4	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
PPENN	Phenanthrene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
PYRN	Pyrene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
SECB	sec-Butylbenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
STY	Styrene	LEACH_DISS	ug/l	1	-	50	1	1	40	40	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T12DE	trans 1,2-Dichloroethene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T13DP	trans 1,3-Dichloropropene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TCFE	Trichlorofluoromethane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TERTB	tert-Butylbenzene	LEACH_DISS	ug/l	2	-	-	2	2	40	40	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
TETC	Tetrachloroethene	LEACH_DISS	ug/l	1	-	10	1	1	40	40	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOL	BTEX - Toluene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TRCE	Trichloroethene	LEACH_DISS	ug/l	1	10	10	1	1	40	40	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
VCHL	Vinyl Chloride	LEACH_DISS	ug/l	1	-	-	1	1	40	40	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

CNMT_GROUP Max of CNMT_RESLD (Multiple Items)

Key

red/pink = exceedance of assessment criteria (above detection limit only)

Notes:

This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the laboratory certificates or AGS for the original data, including which results were recorded less than detection. Reference should be made to the report text for further information on the water quality standards used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	Drinking Water Standard	EQS Freshwater	Min. Value	Max. Value	Total no. of results	No. of results <LOD	TP700/9 14/02933/ 0.8 DOnGI	TP800/01 14/05824/ 0.5 DOnGI	TP800/02 14/05824/3 0.5 DOnGI	TP800/04 14/05708/ 0.5 DOnGI	TP800/05 14/05666/ 0.5 DOnGI	TP800/16 14/05790/ 0.5 DOnGI	TP800/16 14/05790/ 3 DOnGI	TP800/17 14/05790/ 0.5 DOnGI	TP800/17 14/05790/ 1 DOnGI	TP800/17 14/05790/ 3 DOnGI	TP800/18 14/05708/ 0.5 DOnGI	TP800/19 14/05764/ 0.5 DOnGI	TP800/20 14/05666/ 0.5 DOnGI	TP800/22 14/05632/ 0.5 DOnGI	TP800/22 14/05632/ 1.6 DOnGI	TP800/23 14/05632/ 0.5 DOnGI
1112TCE	1,1,1,2-Tetrachloroethane	LEACH_DISS	ug/l	1	-	140	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
111TCE	1,1,1-Trichloroethane	LEACH_DISS	ug/l	1	-	100	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1122TCE	1,1,2,2-Tetrachloroethane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
112TCE	1,1,2-Trichloroethane	LEACH_DISS	ug/l	1	-	400	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11DCP	1,1-Dichloropropene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11DEA	1,1-Dichloroethane	LEACH_DISS	ug/l	1	-	10	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11DEE	1,1-Dichloroethene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
123TCB	1,2,3-Trichlorobenzene	LEACH_DISS	ug/l	3	-	0.4	3	3	40	40	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
123TCP	1,2,3-Trichloropropane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
124TCB	1,2,4-Trichlorobenzene	LEACH_DISS	ug/l	3	-	-	3	3	40	40	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
124TCB	1,2,4-Trichlorobenzene	LEACH_DISS_SVOC	ug/l	2	-	-	2	2	16	16	2															
124TMB	1,2,4-Trimethylbenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12D3C	1,2-Dibromo-3-chloropropane	LEACH_DISS	ug/l	2	-	-	2	2	40	40	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12DB	1,2-Dichlorobenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12DB	1,2-Dichlorobenzene	LEACH_DISS_SVOC	ug/l	2	-	-	2	2	16	16	2															
12DEA	1,2-Dichloroethane	LEACH_DISS	ug/l	2	-	-	2	2	40	40	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12DEE	cis 1,2-Dichloroethene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12DIB	1,2-Dibromoethane	LEACH_DISS	ug/l	1	-	-	1	3	40	35	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
12DP	1,2-Dichloropropane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
135TMB	1,3,5-Trimethylbenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13DB	1,3-Dichlorobenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13DB	1,3-Dichlorobenzene	LEACH_DISS_SVOC	ug/l	2	-	-	2	2	16	16	2															
13DCPE	cis 1,3-Dichloropropene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13DP	1,3-Dichloropropane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14DB	1,4-Dichlorobenzene	LEACH_DISS	ug/l	1	-	20	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14DB	1,4-Dichlorobenzene	LEACH_DISS_SVOC	ug/l	2	-	20	2	2	16	16	2															
22DP	2,2-Dichloropropane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
245TCP	2,4,5-Trichlorophenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
246TCP	2,4,6-Trichlorophenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
24DCP	2,4-Dichlorophenol	LEACH_DISS_SVOC	ug/l	2	-	4.2	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
24DMP	2,4-Dimethylphenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
24DNP	2,4-Dinitrophenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
24DNT	2,4-Dinitrotoluene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
26DNT	2,6-Dinitrotoluene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
2CNAP	2-Chloronaphthalene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
2CP	2-Chlorophenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
2CT	2-Chlorotoluene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2MNAP	2-Methylnaphthalene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
2MP	2-Methylphenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
2NP	2-Nitrophenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
46DN2MP	4,6-Dinitro-2-methylphenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
4BPPE		LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
4C3MP	4-Chloro-3-methylphenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
4CT	4-Chlorotoluene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4IPT	4-Isopropyltoluene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4MP	4-Methylphenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
4NP	4-Nitrophenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
ACNAP	Acenaphthylene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
ACNEN	Acenaphthene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
ANTHN	Anthracene	LEACH_DISS_SVOC	ug/l	2	-	0.1	2	4	40	40	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2
B2CEE2	Bis(2-chloroethyl)ether	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2
B2CEM	Bis(2-chloroethoxy)methane	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2
B2CIPE	Bis(2-chloroisopropyl)ether	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2
B2EHP	Bis(2-ethylhexyl)phthalate	LEACH_DISS_SVOC	ug/l	4	-	1.3	4	8	40	40	4	4	8	4	4	4	4	4	4	4	4	4	4	4	4	4
BBP	Butylbenzyl phthalate SVOC	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2
BENA	Benzo(a)anthracene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2
BENAP	Benzo(a)pyrene	LEACH_DISS_SVOC	ug/l	2	-	0.00017	2	4	40	40	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2
BENB	Benzo(b)fluoranthene	LEACH_DISS_SVOC	ug/l	2	-	0.017	2	4	40	40	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2
BENGI	Benzo(ghi)perylene	LEACH_DISS_SVOC	ug/l	2	-	0.0082	2	4	40	40	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2
BENK	Benzo(k)fluoranthene	LEACH_DISS_SVOC	ug/l	2	-	0.017	2	4	40	40	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2
BENZ	BTEX - Benzene	LEACH_DISS	ug/l	1	1	10	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BROMBE	Bromobenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BROMCM	Bromochloromethane	LEACH_DISS	ug/l	5	-	-	5	5	40	40	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
BROMF	Bromoform	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BROMM	Bromomethane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BROMO	Bromodichloromethane	LEACH_DISS	ug/l	10	-	-	10	10	40	40	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CBENZ	Chlorobenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CBZ	Carbazole	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2
CDS	Carbon Disulphide	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CETH	Chloroethane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CFM	Chloroform	LEACH_DISS	ug/l	25	-	2.5	25	25	40	40	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
CMN	Chloromethane	LEACH_DISS	ug/l	1	-	-	1	3	40	39	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1
CRYN	Chrysene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2

CNMT_GROUP Max of CNMT_RESLD (Multiple Items)

Key

red/pink = exceedance of assessment criteria (above detection limit only)

Notes:

This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the laboratory certificates or AGS for the original data, including which results were recorded less than detection. Reference should be made to the report text for further information on the water quality standards used.

AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	Drinking Water Standard	EQS Freshwater	Min. Value	Max. Value	Total no. of results	No. of results <LOD	TP700/9	TP800/01	TP800/02	TP800/04	TP800/05	TP800/16	TP800/16	TP800/17	TP800/17	TP800/17	TP800/18	TP800/19	TP800/20	TP800/22	TP800/22	TP800/23
											14/02933/	14/05824/	14/05824/3	14/05708/	14/05666/	14/05790/	14/05790/	14/05790/	14/05790/	14/05790/	14/05708/	14/05764/	14/05666/	14/05632/	14/05632/	14/05632/
											0.8	0.5	0.5	0.5	0.5	0.5	3	0.5	1	3	0.5	0.5	0.5	0.5	1.6	0.5
CTET	Carbon Tetrachloride	LEACH_DISS	ug/l	1	-	12	1	1	40	40	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
DBF	Dibenzofuran	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
DCFM	Dichlorodifluoromethane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
DEP	Diethyl phthalate	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
DIABN	Dibenzo(ah)anthracene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
DIBM	Dibromochloromethane	LEACH_DISS	ug/l	3	-	-	3	3	40	40	*3*	*3*	3	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*
DIBROM	Dibromomethane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
DICM	Dichloromethane VOC	LEACH_DISS	ug/l	100	-	20	100	100	40	40	*100*	*100*	100	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
DIMP	Dimethyl phthalate	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
DNBP	n-Dibutylphthalate	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
DNOP	n-Dioctylphthalate	LEACH_DISS_SVOC	ug/l	10	-	-	10	20	40	40	*10*	*10*	20	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
ETHYL	BTEX - Ethyl Benzene	LEACH_DISS	ug/l	1	-	20	1	1	40	40	*1*	*1*	1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
FLN	Fluorene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
FLNN	Fluoranthene	LEACH_DISS_SVOC	ug/l	2	-	0.0063	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
HCCP	Hexachlorocyclopentadiene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
HCE	Hexachloroethane	LEACH_DISS	ug/l	2	-	-	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
HCHLB	Hexachlorobenzene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
HEXBUT	Hexachlorobutadiene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
HEXBUT	Hexachlorobutadiene	LEACH_DISS_SVOC	ug/l	2	-	-	2	2	16	16	*2*															
INDP	Indeno(123-cd)pyrene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
IPB	Isopropylbenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
ISOP	Isophorone	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
MXYL	BTEX - m & p Xylene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
NAPTHH	Naphthalene	LEACH_DISS_SVOC	ug/l	2	-	2	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
NBUT	n-Butylbenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
NITB	Nitrobenzene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
NNNP	n-Nitroso-n-dipropylamine	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
NPB	n-Propylbenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
OXYL	BTEX - o Xylene	LEACH_DISS	ug/l	1	-	30	1	1	40	40	*1*	*1*	1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
PERYL	Perylene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
PHE	Phenol SVOC	LEACH_DISS_SVOC	ug/l	2	-	-	2	7	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
PNCP	Pentachlorophenol	LEACH_DISS_SVOC	ug/l	2	-	0.4	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
PPENN	Phenanthrene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
PYRN	Pyrene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
SECB	sec-Butylbenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
STY	Styrene	LEACH_DISS	ug/l	1	-	50	1	1	40	40	*1*	*1*	1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
T12DE	trans 1,2-Dichloroethene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
T13DP	trans 1,3-Dichloropropene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TCFE	Trichlorofluoromethane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TERTB	tert-Butylbenzene	LEACH_DISS	ug/l	2	-	-	2	2	40	40	*2*	*2*	2	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
TETC	Tetrachloroethene	LEACH_DISS	ug/l	1	-	10	1	1	40	40	*1*	*1*	1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TOL	BTEX - Toluene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TRCE	Trichloroethene	LEACH_DISS	ug/l	1	10	10	1	1	40	40	*1*	*1*	1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
VCHL	Vinyl Chloride	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*

CNMT_GROUP Max of CNMT_RESLD (Multiple Items)

Key

red/pink = exceedance of assessment criteria (above detection limit only)

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											TP800/23	TP800/24A	TP800/25	TP800/25	TP800/26	TP800/26	TP800/27	TP800/27	TP800/30
											14/05632/	14/05632/	14/05632/	14/05632/	14/05632/	14/05632/	14/05632/	14/05632/	14/05632/
											1	0.5	0.5	1	0.5	1	0.5	1	0.5
AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	Drinking Water Standard	EQS Freshwater	Min. Value	Max. Value	Total no. of results	No. of results <LOD	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
1112TCE	1,1,1,2-Tetrachloroethane	LEACH_DISS	ug/l	1	-	140	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
111TCE	1,1,1-Trichloroethane	LEACH_DISS	ug/l	1	-	100	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
1122TCE	1,1,2,2-Tetrachloroethane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
112TCE	1,1,2-Trichloroethane	LEACH_DISS	ug/l	1	-	400	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
11DCP	1,1-Dichloropropene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
11DEA	1,1-Dichloroethane	LEACH_DISS	ug/l	1	-	10	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
11DEE	1,1-Dichloroethene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
123TCB	1,2,3-Trichlorobenzene	LEACH_DISS	ug/l	3	-	0.4	3	3	40	40	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*
123TCP	1,2,3-Trichloropropane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
124TCB	1,2,4-Trichlorobenzene	LEACH_DISS	ug/l	3	-	-	3	3	40	40	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*
124TCB	1,2,4-Trichlorobenzene	LEACH_DISS_SVOC	ug/l	2	-	-	2	2	16	16									
124TMB	1,2,4-Trimethylbenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
12D3C	1,2-Dibromo-3-chloropropane	LEACH_DISS	ug/l	2	-	-	2	2	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
12DB	1,2-Dichlorobenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
12DB	1,2-Dichlorobenzene	LEACH_DISS_SVOC	ug/l	2	-	-	2	2	16	16									
12DEA	1,2-Dichloroethane	LEACH_DISS	ug/l	2	-	-	2	2	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
12DEE	cis 1,2-Dichloroethene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
12DIB	1,2-Dibromoethane	LEACH_DISS	ug/l	1	-	-	1	3	40	35	*1*	*1*	*1*	3	2	*1*	*1*	3	*1*
12DP	1,2-Dichloropropane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
135TMB	1,3,5-Trimethylbenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
13DB	1,3-Dichlorobenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
13DB	1,3-Dichlorobenzene	LEACH_DISS_SVOC	ug/l	2	-	-	2	2	16	16									
13DCPE	cis 1,3-Dichloropropene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
13DP	1,3-Dichloropropane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
14DB	1,4-Dichlorobenzene	LEACH_DISS	ug/l	1	-	20	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
14DB	1,4-Dichlorobenzene	LEACH_DISS_SVOC	ug/l	2	-	20	2	2	16	16									
22DP	2,2-Dichloropropane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
245TCP	2,4,5-Trichlorophenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
246TCP	2,4,6-Trichlorophenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
24DCP	2,4-Dichlorophenol	LEACH_DISS_SVOC	ug/l	2	-	4.2	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
24DMP	2,4-Dimethylphenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
24DNP	2,4-Dinitrophenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
24DNT	2,4-Dinitrotoluene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
26DNT	2,6-Dinitrotoluene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
2CNAP	2-Chloronaphthalene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
2CP	2-Chlorophenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
2CT	2-Chlorotoluene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
2MNAP	2-Methylnaphthalene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
2MP	2-Methylphenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
2NP	2-Nitrophenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
46DN2MP	4,6-Dinitro-2-methylphenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
4BPPE		LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
4C3MP	4-Chloro-3-methylphenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
4CT	4-Chlorotoluene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
4IPT	4-Isopropyltoluene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
4MP	4-Methylphenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
4NP	4-Nitrophenol	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
ACNAP	Acenaphthylene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
ACNEN	Acenaphthene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
ANTHN	Anthracene	LEACH_DISS_SVOC	ug/l	2	-	0.1	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
B2CEE2	Bis(2-chloroethyl)ether	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
B2CEM	Bis(2-chloroethoxy)methane	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
B2CIPE	Bis(2-chloroisopropyl)ether	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
B2EHP	Bis(2-ethylhexyl)phthalate	LEACH_DISS_SVOC	ug/l	4	-	1.3	4	8	40	40	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*
BBP	Butylbenzyl phthalate SVOC	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
BENA	Benzo(a)anthracene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
BENAP	Benzo(a)pyrene	LEACH_DISS_SVOC	ug/l	2	-	0.00017	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
BENB	Benzo(b)fluoranthene	LEACH_DISS_SVOC	ug/l	2	-	0.017	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
BENGI	Benzo(ghi)perylene	LEACH_DISS_SVOC	ug/l	2	-	0.0082	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
BENK	Benzo(k)fluoranthene	LEACH_DISS_SVOC	ug/l	2	-	0.017	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
BENZ	BTEX - Benzene	LEACH_DISS	ug/l	1	1	10	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BROMBE	Bromobenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BROMCM	Bromochloromethane	LEACH_DISS	ug/l	5	-	-	5	5	40	40	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
BROMF	Bromoform	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BROMM	Bromomethane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BROMO	Bromodichloromethane	LEACH_DISS	ug/l	10	-	-	10	10	40	40	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
CBENZ	Chlorobenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CBZ	Carbazole	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
CDS	Carbon Disulphide	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CETH	Chloroethane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CFM	Chloroform	LEACH_DISS	ug/l	25	-	2.5	25	25	40	40	*25*	*25*	*25*	*25*	*25*	*25*	*25*	*25*	*25*
CMN	Chloromethane	LEACH_DISS	ug/l	1	-	-	1	3	40	39	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
CRYN	Chrysene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*

CNMT_GROUP Max of CNMT_RESLD (Multiple Items)

Key

red/pink = exceedance of assessment criteria (above detection limit only)

Notes:

This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the laboratory certificates or AGS for the original data, including which results were recorded less than detection. Reference should be made to the report text for further information on the water quality standards used.

											TP800/23	TP800/24A	TP800/25	TP800/25	TP800/26	TP800/26	TP800/27	TP800/27	TP800/30
											14/05632/	14/05632/	14/05632/	14/05632/	14/05632/	14/05632/	14/05632/	14/05632/	14/05632/
											1	0.5	0.5	1	0.5	1	0.5	1	0.5
AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	Drinking Water Standard	EQS Freshwater	Min. Value	Max. Value	Total no. of results	No. of results <LOD	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
CTET	Carbon Tetrachloride	LEACH_DISS	ug/l	1	-	12	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
DBF	Dibenzofuran	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
DCFM	Dichlorodifluoromethane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
DEP	Diethyl phthalate	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
DIABN	Dibenzo(ah)anthracene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
DIBM	Dibromochloromethane	LEACH_DISS	ug/l	3	-	-	3	3	40	40	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*
DIBROM	Dibromomethane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
DICM	Dichloromethane VOC	LEACH_DISS	ug/l	100	-	20	100	100	40	40	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
DIMP	Dimethyl phthalate	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
DNBP	n-Dibutylphthalate	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
DNOP	n-Dioctylphthalate	LEACH_DISS_SVOC	ug/l	10	-	-	10	20	40	40	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
ETHYL	BTEX - Ethyl Benzene	LEACH_DISS	ug/l	1	-	20	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
FLN	Fluorene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
FLNN	Fluoranthene	LEACH_DISS_SVOC	ug/l	2	-	0.0063	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
HCCP	Hexachlorocyclopentadiene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
HCE	Hexachloroethane	LEACH_DISS	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
HCHLB	Hexachlorobenzene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
HEXBUT	Hexachlorobutadiene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
HEXBUT	Hexachlorobutadiene	LEACH_DISS_SVOC	ug/l	2	-	-	2	2	16	16									
INDP	Indeno(123-cd)pyrene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
IPB	Isopropylbenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
ISOP	Isophorone	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
MXYL	BTEX - m & p Xylene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
NAPTHH	Naphthalene	LEACH_DISS_SVOC	ug/l	2	-	2	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
NBUT	n-Butylbenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
NITB	Nitrobenzene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
NNNP	n-Nitroso-n-dipropylamine	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
NPB	n-Propylbenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
OXYL	BTEX - o Xylene	LEACH_DISS	ug/l	1	-	30	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
PERYL	Perylene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
PHE	Phenol SVOC	LEACH_DISS_SVOC	ug/l	2	-	-	2	7	40	40	7	4	*2*	*2*	*2*	*2*	*2*	*2*	*2*
PNCP	Pentachlorophenol	LEACH_DISS_SVOC	ug/l	2	-	0.4	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
PPENN	Phenanthrene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
PYRN	Pyrene	LEACH_DISS_SVOC	ug/l	2	-	-	2	4	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
SECB	sec-Butylbenzene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
STY	Styrene	LEACH_DISS	ug/l	1	-	50	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
T12DE	trans 1,2-Dichloroethene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
T13DP	trans 1,3-Dichloropropene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TCFE	Trichlorofluoromethane	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TERTB	tert-Butylbenzene	LEACH_DISS	ug/l	2	-	-	2	2	40	40	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
TETC	Tetrachloroethene	LEACH_DISS	ug/l	1	-	10	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TOL	BTEX - Toluene	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
TRCE	Trichloroethene	LEACH_DISS	ug/l	1	10	10	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
VCHL	Vinyl Chloride	LEACH_DISS	ug/l	1	-	-	1	1	40	40	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*

Key
red/pink = exceedance of assessment criteria

Notes:
Reference should be made to the laboratory certificates for the original data. Reference should be made to the report text for further information on the water quality standards used. Determinands are presented as they were reported from the laboratory - PAH data is split across two suites.

Lab Sample ID												15/05031/14	15/05031/16	15/05031/26	15/05031/33	15/05031/51	15/05031/57	15/05031/74	15/05031/89	15/05304/5	15/05304/27	15/05304/59	15/05304/64
Client Sample No												6	15	3	3	3	12	3	3	6	8	6	7
Client Sample ID												PC9TP05	PC9TP05	TP2203	XTP072	XTP091	XTP092	XTP098	XTP107	PC11HP02	PC7TP01	PC7TP07	XTP067
Depth to Top												0.50	1.50	0.00	0.00	0.20	2.00	0.00	0.00	0.50	0.50	0.50	0.40
Depth to Bottom														0.30	0.25			0.30	0.30				
Date Sampled												24-Jul-15	24-Jul-15	24-Jul-15	27-Jul-15	28-Jul-15	25-Jul-15	26-Jul-15	27-Jul-15	05-Aug-15	06-Aug-15	06-Aug-15	04-Aug-15
Sample Type												Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES
Sample Matrix Code	**Units**	**Method**	**Drinking Water Standard**	**EQS Freshwater / Site Specific PNEC**	**Min. Value**	**Max. Value**	**Total no. of results**	**No. of results <LOD**	**No. of results > EQS (DWS, where EQS not available)**	**% Samples Exceeding**	**Sample Matrix Code**	4AE	5AE	6AE	1AE	5AE	5AE	6AE	4AE	6AE	5AE	6A	4AE
General Suite			-	-	-	-	-	-	-	-	-												
pH (leachable)	pH	A-T-031w	5.5 - 9.5	6 - 9	6.02	8.21	25	0	0	0	-	8.21	8.17	6.93	6.1	6.49	7.12	8.01	6.95	7.51	8.07	7.95	7.61
Electrical Conductivity (leachable)	µs/cm	A-T-037w	2500	-	27	404	23	0	0	0	-	231	158	72	46	83	27	287	33	125	275	94	95
Ammoniacal nitrogen (leachable)	mg/l	A-T-033w	0.5	-	<0.02	0.88	23	6	2	8.695652174	-	0.05	0.02	0.03	0.15	0.05	<0.02	0.02	0.27	0.05	0.09	<0.02	0.88
Chloride (leachable)	mg/l	A-T-026w	250	-	<1	16.49	23	2	0	0	-	<1.00	1.22	14.34	6.53	4.75	5.14	3.49	10.58	5.86	16.49	2.32	3.51
Nitrate (leachable)	mg/l	A-T-026w	11.3	-	<0.5	27.24	23	7	1	4.347826087	-	0.98	0.78	<0.50	2.07	0.83	<0.50	3.93	0.69	5.86	2.17	<0.50	1.1
Sulphate (leachable)	mg/l	A-T-026w	250	-	<1	64.34	10	2	0	0	-	<1.00	2.42	NDP	NDP	5.33	NDP	NDP	NDP	NDP	NDP	1	3.89
Cyanide (free) (leachable)	mg/l	Subcon	-	1	<0.05	<0.05	23	23	0	0	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Cyanide (total) (leachable)	mg/l	Subcon	-	1	<0.05	<0.05	23	23	0	0	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Phenols (total by HPLC) (leachable)	mg/l	A-T-050w	-	7.7	<0.01	<0.01	23	23	0	0	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sulphide (leachable)	mg/l	Subcon	-	-	<0.05	0.23	23	20	-	-	-	<0.050	<0.050	0.078	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Antimony (leachable)	µg/l	A-T-025w	5	-	6	9	2	0	2	100	-												
Arsenic (leachable)	µg/l	A-T-025w	10	50	<1	4	25	18	0	0	-	<1	<1	3	<1	2	<1	1	<1	<1	<1	<1	<1
Boron (leachable)	µg/l	A-T-025w	-	-	<10	315	23	6	-	-	-	<10	<10	35	29	14	17	30	18	21	315	<10	<10
Barium (leachable)	µg/l	A-T-025w	-	-	4	103	23	0	-	-	-	17	22	32	14	13	64	17	24	19	25	4	6
Beryllium (leachable)	µg/l	A-T-025w	-	-	<1	<1	23	23	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium (leachable)	µg/l	A-T-025w	5	0.15	<1	<1	23	23	0	0	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Copper (leachable)	µg/l	A-T-025w	2000	21.4	2	46	25	0	4	16	-	7	9	23	6	10	5	3	7	4	46	5	18
Chromium (leachable)	µg/l	A-T-025w	50	4.7	<1	25	25	21	1	4	-	<1	<1	2	<1	<1	1	<1	<1	<1	<1	<1	<1
Chromium (hexavalent) (leachable)	mg/l	A-T-040w	-	3.4	<0.05	<0.25	25	25	0	0	-	<0.05	<0.05	<0.25	<0.05	<0.05	<0.05	<0.05	<0.25	<0.05	<0.05	<0.05	<0.05
Lead (leachable)	µg/l	A-T-025w	10	7.2	<1	44	25	7	7	28	-	<1	<1	10	7	6	1	<1	2	8	4	<1	3
Mercury (leachable)	µg/l	A-T-025w	1	0.07	<0.1	<0.1	23	23	0	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
Nickel (leachable)	µg/l	A-T-025w	20	13.61	<1	4	25	12	0	0	-	<1	<1	3	1	4	2	<1	1	<1	4	<1	1
Selenium (leachable)	µg/l	A-T-025w	10	-	<1	3	23	21	0	0	-	<1	<1	3	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulphur, Total (leachable)	mg/l	A-T-025w	-	-	<1	21	23	4	-	-	-	2	2	6	2	2	<1	6	2	3	3	<1	2
Vanadium (leachable)	µg/l	A-T-025w	-	-	<1	4	23	13	-	-	-	<1	<1	3	<1	1	2	2	<1	<1	<1	<1	<1
Zinc (leachable)	µg/l	A-T-025w	5000	35.08	<1	59	25	2	3	12	-	2	5	7	59	7	11	4	5	10	47	<1	1
PAH 16MS (leachable)			-	-	<0	<0	-	-	-	-	-												
Acenaphthene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.06	8	4	-	-	-									<0.02	0.05	0.06	0.03
Acenaphthylene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.08	8	4	-	-	-									0.03	<0.02	<0.02	0.04
Anthracene (leachable)	µg/l	A-T-019w	-	0.1	<0.02	<0.02	8	8	0	0	-									<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.05	8	7	-	-	-									<0.02	<0.02	0.05	<0.02
Benzo(a)pyrene (leachable)	µg/l	A-T-019w	-	0.00017	<0.02	0.09	8	7	1	12.5	-									<0.02	<0.02	0.09	<0.02
Benzo(b)fluoranthene (leachable)	µg/l	A-T-019w	-	0.017	<0.02	0.08	8	7	1	12.5	-									<0.02	<0.02	0.08	<0.02
Benzo(ghi)perylene (leachable)	µg/l	A-T-019w	-	0.0082	<0.02	0.39	8	6	2	25	-									<0.02	<0.02	0.39	<0.02
Benzo(k)fluoranthene (leachable)	µg/l	A-T-019w	-	0.017	<0.02	0.03	8	7	1	12.5	-									0.03	<0.02	<0.02	<0.02
Chrysene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.15	8	4	-	-	-									0.03	<0.02	0.15	0.03
Dibenzo(ah)anthracene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.06	8	7	-	-	-									<0.02	<0.02	0.06	<0.02
Fluoranthene (leachable)	µg/l	A-T-019w	-	0.0063	<0.02	0.04	8	7	1	12.5	-									0.04	<0.02	<0.02	<0.02
Fluorene (leachable)	µg/l	A-T-019w	-	-	<0.02	<0.02	8	8	-	-	-									<0.02	<0.02	<0.02	<0.02
Indeno(123-cd)pyrene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.11	8	7	-	-	-									<0.02	<0.02	0.11	<0.02
Naphthalene (leachable)	µg/l	A-T-019w	-	2	<0.02	0.2	8	4	0	0	-									<0.02	0.1	0.18	0.2
Phenanthrene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.07	8	4	-	-	-									0.02	0.03	0.07	0.03
Pyrene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.15	8	5	-	-	-									0.03	0.02	0.15	<0.02
PAH (total 16) (leachable)	µg/l	A-T-019w	-	-	<0.02	0.02	2	1	-	-	-												
PAH-16 plus Coronene (leachable)	µg/l	A-T-019w	-	-	-	-	-	-	-	-	-												
Acenaphthene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.2	17	14	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Acenaphthylene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.1	17	9	-	-	-	<0.02	<0.02	0.1	0.09	0.09	0.03	<0.02	0.06				
Anthracene (leachable)	µg/l	A-T-019w	-	0.1	<0.02	0.03	17	16	0	0	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Benzo(a)anthracene (leachable)	µg/l	A-T-019w	-	-	<0.02	<0.02	17	17	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Benzo(a)pyrene (leachable)	µg/l	A-T-019w	-	0.00017	<0.02	<0.02	17	17	0	0	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Benzo(b)fluoranthene (leachable)	µg/l	A-T-019w	-	0.017	<0.02	<0.02	17	17	0	0	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Benzo(ghi)perylene (leachable)	µg/l	A-T-019w	-	0.0082	<0.02	<0.02	17	17	0	0	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Benzo(k)fluoranthene (leachable)	µg/l	A-T-019w	-	0.017	<0.02	<0.02	17	17	0	0	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Chrysene (leachable)	µg/l	A-T-019w	-	-	<0.02	<0.02	17	17	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Dibenzo(ah)anthracene (leachable)	µg/l	A-T-019w	-	-	<0.02	<0.02	17	17	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Fluoranthene (leachable)	µg/l	A-T-019w	-	0.0063	<0.02	0.02	17	16	1	5.882352941	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Fluorene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.03	17	16	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Indeno(123-cd)pyrene (leachable)	µg/l	A-T-019w	-	-	<0.02	<0.02	17	17	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Naphthalene (leachable)	µg/l	A-T-019w	-	2	<0.02	0.1	17	14	0	0	-	<0.02	<0.02	<0.02	<0.02	<0.02	0.08	<0.02	<0.02				
Phenanthrene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.03	17	16	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Coronene (leachable)	µg/l	A-T-019w	-	-	<0.01	1.75	23	20	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	0.03	1.75	<0.01
Pyrene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.05	17	16	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
PAH (total 17((leachable)			-	-	<0.02	3.14	23	6	-	-	-	<0.02	<0.02	0.1	0.09	0.09	0.11	<0.02	0.06	0.21	0.23	3.14	0.33
TPH CWG Leachable			-	-	-	-	-	-	-	-	-												
Ali >C5-C6 (leachable)	µg/l	A-T-022w	-	-	<1	3	23	10	-	-	-	<5	<5	<5	<5	<5	<5	<5	<5	1	1	2	1
Ali >C6-C8 (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ali >C8-C10 (leachable)	µg/l	A-T-023w	-	-	<1	1	23	22	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ali >C10-C12 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ali >C12-C16 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ali >C16-C21 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ali >C21-C35 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Aliphatics (leachable)	µg/l	A-T-022w	-	-	<10	<10	23	23	-	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aro >C5-C7 (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aro >C7-C8 (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aro >C8-C9 (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aro >C9-C10 (leachable)	µg/l	A-T-023w	-	-	<1	<1	23	23	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aro >C10-C12 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aro >C12-C16 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aro >C16-C21 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aro >C21-C35 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Aromatics (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
TPH (Ali & Aro) (leachable)	µg/l	A-T-022w	10	-	<10	<10	23	23	0	0	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
BTEX - Benzene (leachable)	µg/l	A-T-022w	1	10	<1	<1	23	23	0	0	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BTEX - Toluene (leachable)	µg/l	A-T-022w	-	74	<1	<1	23	23	0	0	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BTEX - Ethyl Benzene (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BTEX - o Xylene (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BTEX - m & p Xylene (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MTBE (leachable)			-	-	<1	2	23	6	-	-	-	1	1	1	<1	<1	2	<1	2	1	1	2	1

Key
red/pink = exceedance of assessment criteria

Notes:
Reference should be made to the laboratory certificates for the original data. Reference should be made to the report text for further information on the water quality standards used. Determinands are presented as they were reported from the laboratory - PAH data is split across two suites.

Sample Matrix Code	Units	Method	Drinking Water Standard	EQS Freshwater / Site Specific PNEC	Min. Value	Max. Value	Total no. of results	No. of results <LOD	No. of results > EQS (DWS, where EQS not available)	% Samples Exceeding	Sample Matrix Code	Lab Sample ID	15/05304/66	15/05304/67	15/05304/76	15/05304/81	15/05152/3	15/05152/8	15/05152/13	15/05152/24	15/05152/40	15/05156/3	15/05156/11	15/05156/15
												Client Sample No	3	3	3	6	11	6	8	3	15	9	6	6
												Client Sample ID	XTP069A	XTP069B	XTP087	XTP105	PC15TP01	PC7TP11	TP2001	XTP069	PC7TP09	PC7TP08	XTP068	XTP070
												Depth to Top	0.00	0.00	0.00	0.50	1.00	0.50	0.40	0.00	2.00	1.00	0.50	0.50
												Depth to Bottom	0.20	0.20	0.20					0.3				
												Date Sampled	04-Aug-15	04-Aug-15	04-Aug-15	04-Aug-15	31-Jul-15	31-Jul-15	30-Jul-15	30-Jul-15	03-Aug-15	29-Jul-15	29-Jul-15	29-Jul-15
												Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES
General Suite			-	-	-	-	-	-	-	-	-													
pH (leachable)	pH	A-T-031w	5.5 - 9.5	6 - 9	6.02	8.21	25	0	0	0	-		7.4	7.45	7.11	7.11	7.75	8.02	7.87	6.02	7.69	6.05	6.14	6.35
Electrical Conductivity (leachable)	µs/cm	A-T-037w	2500	-	27	404	23	0	0	0	-				208	65	38	172	219	36	182	82	75	56
Ammoniacal nitrogen (leachable)	mg/l	A-T-033w	0.5	-	<0.02	0.88	23	6	2	8.695652174	-				0.03	0.15	0.1	<0.02	<0.02	0.57	<0.02	0.33	0.07	0.02
Chloride (leachable)	mg/l	A-T-026w	250	-	<1	16.49	23	2	0	0	-				9.78	2.75	6.12	<1.00	4.85	3.97	3.14	7.01	4.53	1.64
Nitrate (leachable)	mg/l	A-T-026w	11.3	-	<0.5	27.24	23	7	1	4.347826087	-				6.62	0.64	0.7	0.65	1.4	3.03	<0.50	<0.50	<0.50	<0.50
Sulphate (leachable)	mg/l	A-T-026w	250	-	<1	64.34	10	2	0	0	-				NDP	2.22	NDP	5.14	2.9	NDP	NDP	NDP	NDP	<1.00
Cyanide (free) (leachable)	mg/l	Subcon	-	1	<0.05	<0.05	23	23	0	0	-				<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Cyanide (total) (leachable)	mg/l	Subcon	-	1	<0.05	<0.05	23	23	0	0	-				<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Phenols (total by HPLC) (leachable)	mg/l	A-T-050w	-	7.7	<0.01	<0.01	23	23	0	0	-				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sulphide (leachable)	mg/l	Subcon	-	-	<0.05	0.23	23	20	-	-	-				<0.050	<0.050	<0.050	<0.050	<0.050	0.078	<0.050	<0.050	<0.050	<0.050
Antimony (leachable)	µg/l	A-T-025w	5	-	6	9	2	0	2	100	-		9	6										
Arsenic (leachable)	µg/l	A-T-025w	10	50	<1	4	25	18	0	0	-		<1	<1	<1	<1	<1	1	1	<1	<1	2	<1	<1
Boron (leachable)	µg/l	A-T-025w	-	-	<10	315	23	6	-	-	-				27	12	14	<10	19	<10	11	170	22	11
Barium (leachable)	µg/l	A-T-025w	-	-	4	103	23	0	-	-	-				8	7	10	50	4	4	7	103	46	34
Beryllium (leachable)	µg/l	A-T-025w	-	-	<1	<1	23	23	-	-	-				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium (leachable)	µg/l	A-T-025w	5	0.15	<1	<1	23	23	0	0	-				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Copper (leachable)	µg/l	A-T-025w	2000	21.4	2	46	25	0	4	16	-		14	11	8	17	4	6	3	6	2	30	34	16
Chromium (leachable)	µg/l	A-T-025w	50	4.7	<1	25	25	21	1	4	-		<1	<1	<1	<1	<1	25	<1	<1	2	<1	<1	<1
Chromium (hexavalent) (leachable)	mg/l	A-T-040w	-	3.4	<0.05	<0.25	25	25	0	0	-		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.05
Lead (leachable)	µg/l	A-T-025w	10	7.2	<1	44	25	7	7	28	-		22	44	<1	7	<1	29	1	1	<1	6	20	14
Mercury (leachable)	µg/l	A-T-025w	1	0.07	<0.1	<0.1	23	23	0	0	-				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel (leachable)	µg/l	A-T-025w	20	13.61	<1	4	25	12	0	0	-		1	1	<1	<1	1	<1	<1	<1	<1	1	2	<1
Selenium (leachable)	µg/l	A-T-025w	10	-	<1	3	23	21	0	0	-				<1	<1	<1	<1	<1	<1	<1	2	<1	<1
Sulphur, Total (leachable)	mg/l	A-T-025w	-	-	<1	21	23	4	-	-	-				8	<1	2	2	1	1	2	7	1	<1
Vanadium (leachable)	µg/l	A-T-025w	-	-	<1	4	23	13	-	-	-				2	<1	<1	2	<1	<1	<1	4	1	1
Zinc (leachable)	µg/l	A-T-025w	5000	35.08	<1	59	25	2	3	12	-		7	6	<1	11	23	5	5	1	3	31	51	11
PAH 16MS (leachable)			-	-	<0	<0	-	-	-	-	-													
Acenaphthene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.06	8	4	-	-	-		<0.02	<0.02	<0.02	0.06								
Acenaphthylene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.08	8	4	-	-	-		<0.02	<0.02	0.08	0.05								
Anthracene (leachable)	µg/l	A-T-019w	-	0.1	<0.02	<0.02	8	8	0	0	-		<0.02	<0.02	<0.02	<0.02								
Benzo(a)anthracene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.05	8	7	-	-	-		<0.02	<0.02	<0.02	<0.02								
Benzo(a)pyrene (leachable)	µg/l	A-T-019w	-	0.00017	<0.02	0.09	8	7	1	12.5	-		<0.02	<0.02	<0.02	<0.02								
Benzo(b)fluoranthene (leachable)	µg/l	A-T-019w	-	0.017	<0.02	0.08	8	7	1	12.5	-		<0.02	<0.02	<0.02	<0.02								
Benzo(ghi)perylene (leachable)	µg/l	A-T-019w	-	0.0082	<0.02	0.39	8	6	2	25	-		0.02	<0.02	<0.02	<0.02								
Benzo(k)fluoranthene (leachable)	µg/l	A-T-019w	-	0.017	<0.02	0.03	8	7	1	12.5	-		<0.02	<0.02	<0.02	<0.02								
Chrysene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.15	8	4	-	-	-		<0.02	<0.02	0.02	<0.02								
Dibenzo(ah)anthracene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.06	8	7	-	-	-		<0.02	<0.02	<0.02	<0.02								
Fluoranthene (leachable)	µg/l	A-T-019w	-	0.0063	<0.02	0.04	8	7	1	12.5	-		<0.02	<0.02	<0.02	<0.02								
Fluorene (leachable)	µg/l	A-T-019w	-	-	<0.02	<0.02	8	8	-	-	-		<0.02	<0.02	<0.02	<0.02								
Indeno(123-cd)pyrene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.11	8	7	-	-	-		<0.02	<0.02	<0.02	<0.02								
Naphthalene (leachable)	µg/l	A-T-019w	-	2	<0.02	0.2	8	4	0	0	-		<0.02	<0.02	<0.02	0.1								
Phenanthrene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.07	8	4	-	-	-		<0.02	<0.02	<0.02	<0.02								
Pyrene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.15	8	5	-	-	-		<0.02	<0.02	<0.02	<0.02								
PAH (total 16) (leachable)	µg/l	A-T-019w	-	-	<0.02	0.02	2	1	-	-	-		0.02	<0.02										
PAH-16 plus Coronene (leachable)	µg/l	A-T-019w	-	-	-	-	-	-	-	-	-													
Acenaphthene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.2	17	14	-	-	-						<0.02	<0.02	0.03	<0.02	0.2	<0.02	<0.02	<0.02
Acenaphthylene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.1	17	9	-	-	-						<0.02	<0.02	<0.02	0.04	<0.02	<0.02	<0.02	0.02
Anthracene (leachable)	µg/l	A-T-019w	-	0.1	<0.02	0.03	17	16	0	0	-						<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene (leachable)	µg/l	A-T-019w	-	-	<0.02	<0.02	17	17	-	-	-						<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)pyrene (leachable)	µg/l	A-T-019w	-	0.00017	<0.02	<0.02	17	17	0	0	-						<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(b)fluoranthene (leachable)	µg/l	A-T-019w	-	0.017	<0.02	<0.02	17	17	0	0	-						<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(ghi)perylene (leachable)	µg/l	A-T-019w	-	0.0082	<0.02	<0.02	17	17	0	0	-						<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(k)fluoranthene (leachable)	µg/l	A-T-019w	-	0.017	<0.02	<0.02	17	17	0	0	-						<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chrysene (leachable)	µg/l	A-T-019w	-	-	<0.02	<0.02	17	17	-	-	-						<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Dibenzo(ah)anthracene (leachable)	µg/l	A-T-019w	-	-	<0.02	<0.02	17	17	-	-	-						<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene (leachable)	µg/l	A-T-019w	-	0.0063	<0.02	0.02	17	16	1	5.882352941	-						<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.02
Fluorene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.03	17	16	-	-	-						<0.02	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02
Indeno(123-cd)pyrene (leachable)	µg/l	A-T-019w	-	-	<0.02	<0.02	17	17	-	-	-						<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Naphthalene (leachable)	µg/l	A-T-019w	-	2	<0.02	0.1	17	14	0	0	-						<0.02	<0.02	<0.02	<0.02	0.1	<0.02	<0.02	<0.02
Phenanthrene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.03	17	16	-	-	-						<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Coronene (leachable)	µg/l	A-T-019w	-	-	<0.01	1.75	23	20	-	-	-				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Pyrene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.05	17	16	-	-	-						<0.02	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	<0.02
PAH (total 17((leachable)			-	-	<0.02	3.14	23	6	-	-	-				0.1	0.21	<0.02	<0.02	0.03	0.04	0.33	0.07	<0.02	0.02
TPH CWG Leachable			-	-	-	-	-	-	-	-	-													
Ali >C5-C6 (leachable)	µg/l	A-T-022w	-	-	<1	3	23	10	-	-	-				1	1	1	<1	1	3	<1	3	2	1
Ali >C6-C8 (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ali >C8-C10 (leachable)	µg/l	A-T-023w	-	-	<1	1	23	22	-	-	-				<1	<1	<1	<1	<1	1	<1	<1	<1	<1
Ali >C10-C12 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ali >C12-C16 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ali >C16-C21 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ali >C21-C35 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Aliphatics (leachable)	µg/l	A-T-022w	-	-	<10	<10	23	23	-	-	-				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aro >C5-C7 (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aro >C7-C8 (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aro >C8-C9 (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aro >C9-C10 (leachable)	µg/l	A-T-023w	-	-	<1	<1	23	23	-	-	-				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aro >C10-C12 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aro >C12-C16 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aro >C16-C21 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aro >C21-C35 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Aromatics (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
TPH (Ali & Aro) (leachable)	µg/l	A-T-022w	10	-	<10	<10	23	23	0	0	-				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
BTEX - Benzene (leachable)	µg/l	A-T-022w	1	10	<1	<1	23	23	0	0	-				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BTEX - Toluene (leachable)	µg/l	A-T-022w	-	74	<1	<1	23	23	0	0	-				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BTEX - Ethyl Benzene (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BTEX - o Xylene (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BTEX - m & p Xylene (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-				<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MTBE (leachable)			-	-	<1	2	23	6	-	-	-				1	1	1	<1	1	2	<1	2	<1	1

Key
red/pink = exceedance of assessment criteria

Notes:
Reference should be made to the laboratory certificates for the original data. Reference should be made to the report text for further information on the water quality standards used. Determinands are presented as they were reported from the laboratory - PAH data is split across two suites.

Lab Sample ID	15/05470/1
Client Sample No	3
Client Sample ID	PC17TP01
Depth to Top	-1.60
Depth to Bottom	0.00
Date Sampled	03-Aug-15
Sample Type	Soil - ES

Sample Matrix Code	Units	Method	Drinking Water Standard	EQS Freshwater / Site Specific PNEC	Min. Value	Max. Value	Total no. of results	No. of results <LOD	No. of results > EQS (DWS, where EQS not available)	% Samples Exceeding	Sample Matrix Code	5AE
General Suite			-	-	-	-	-	-	-	-	-	
pH (leachable)	pH	A-T-031w	5.5 - 9.5	6 - 9	6.02	8.21	25	0	0	0	-	7.81
Electrical Conductivity (leachable)	µs/cm	A-T-037w	2500	-	27	404	23	0	0	0	-	404
Ammoniacal nitrogen (leachable)	mg/l	A-T-033w	0.5	-	<0.02	0.88	23	6	2	8.695652174	-	<0.02
Chloride (leachable)	mg/l	A-T-026w	250	-	<1	16.49	23	2	0	0	-	9.53
Nitrate (leachable)	mg/l	A-T-026w	11.3	-	<0.5	27.24	23	7	1	4.347826087	-	27.24
Sulphate (leachable)	mg/l	A-T-026w	250	-	<1	64.34	10	2	0	0	-	64.34
Cyanide (free) (leachable)	mg/l	Subcon	-	1	<0.05	<0.05	23	23	0	0	-	<0.050
Cyanide (total) (leachable)	mg/l	Subcon	-	1	<0.05	<0.05	23	23	0	0	-	<0.050
Phenols (total by HPLC) (leachable)	mg/l	A-T-050w	-	7.7	<0.01	<0.01	23	23	0	0	-	<0.01
Sulphide (leachable)	mg/l	Subcon	-	-	<0.05	0.23	23	20	-	-	-	0.23
Antimony (leachable)	µg/l	A-T-025w	5	-	6	9	2	0	2	100	-	
Arsenic (leachable)	µg/l	A-T-025w	10	50	<1	4	25	18	0	0	-	4
Boron (leachable)	µg/l	A-T-025w	-	-	<10	315	23	6	-	-	-	24
Barium (leachable)	µg/l	A-T-025w	-	-	4	103	23	0	-	-	-	15
Beryllium (leachable)	µg/l	A-T-025w	-	-	<1	<1	23	23	-	-	-	<1
Cadmium (leachable)	µg/l	A-T-025w	5	0.15	<1	<1	23	23	0	0	-	<1
Copper (leachable)	µg/l	A-T-025w	2000	21.4	2	46	25	0	4	16	-	9
Chromium (leachable)	µg/l	A-T-025w	50	4.7	<1	25	25	21	1	4	-	<1
Chromium (hexavalent) (leachable)	mg/l	A-T-040w	-	3.4	<0.05	<0.25	25	25	0	0	-	<0.05
Lead (leachable)	µg/l	A-T-025w	10	7.2	<1	44	25	7	7	28	-	3
Mercury (leachable)	µg/l	A-T-025w	1	0.07	<0.1	<0.1	23	23	0	0	-	<0.1
Nickel (leachable)	µg/l	A-T-025w	20	13.61	<1	4	25	12	0	0	-	1
Selenium (leachable)	µg/l	A-T-025w	10	-	<1	3	23	21	0	0	-	<1
Sulphur, Total (leachable)	mg/l	A-T-025w	-	-	<1	21	23	4	-	-	-	21
Vanadium (leachable)	µg/l	A-T-025w	-	-	<1	4	23	13	-	-	-	2
Zinc (leachable)	µg/l	A-T-025w	5000	35.08	<1	59	25	2	3	12	-	3
PAH 16MS (leachable)			-	-	<0	<0	-	-	-	-	-	
Acenaphthene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.06	8	4	-	-	-	
Acenaphthylene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.08	8	4	-	-	-	
Anthracene (leachable)	µg/l	A-T-019w	-	0.1	<0.02	<0.02	8	8	0	0	-	
Benzo(a)anthracene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.05	8	7	-	-	-	
Benzo(a)pyrene (leachable)	µg/l	A-T-019w	-	0.00017	<0.02	0.09	8	7	1	12.5	-	
Benzo(b)fluoranthene (leachable)	µg/l	A-T-019w	-	0.017	<0.02	0.08	8	7	1	12.5	-	
Benzo(ghi)perylene (leachable)	µg/l	A-T-019w	-	0.0082	<0.02	0.39	8	6	2	25	-	
Benzo(k)fluoranthene (leachable)	µg/l	A-T-019w	-	0.017	<0.02	0.03	8	7	1	12.5	-	
Chrysene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.15	8	4	-	-	-	
Dibenzo(ah)anthracene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.06	8	7	-	-	-	
Fluoranthene (leachable)	µg/l	A-T-019w	-	0.0063	<0.02	0.04	8	7	1	12.5	-	
Fluorene (leachable)	µg/l	A-T-019w	-	-	<0.02	<0.02	8	8	-	-	-	
Indeno(123-cd)pyrene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.11	8	7	-	-	-	
Naphthalene (leachable)	µg/l	A-T-019w	-	2	<0.02	0.2	8	4	0	0	-	
Phenanthrene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.07	8	4	-	-	-	
Pyrene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.15	8	5	-	-	-	
PAH (total 16) (leachable)	µg/l	A-T-019w	-	-	<0.02	0.02	2	1	-	-	-	
PAH-16 plus Coronene (leachable)	µg/l	A-T-019w	-	-	-	-	-	-	-	-	-	
Acenaphthene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.2	17	14	-	-	-	0.02
Acenaphthylene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.1	17	9	-	-	-	0.05
Anthracene (leachable)	µg/l	A-T-019w	-	0.1	<0.02	0.03	17	16	0	0	-	0.03
Benzo(a)anthracene (leachable)	µg/l	A-T-019w	-	-	<0.02	<0.02	17	17	-	-	-	<0.02
Benzo(a)pyrene (leachable)	µg/l	A-T-019w	-	0.00017	<0.02	<0.02	17	17	0	0	-	<0.02
Benzo(b)fluoranthene (leachable)	µg/l	A-T-019w	-	0.017	<0.02	<0.02	17	17	0	0	-	<0.02
Benzo(ghi)perylene (leachable)	µg/l	A-T-019w	-	0.0082	<0.02	<0.02	17	17	0	0	-	<0.02
Benzo(k)fluoranthene (leachable)	µg/l	A-T-019w	-	0.017	<0.02	<0.02	17	17	0	0	-	<0.02
Chrysene (leachable)	µg/l	A-T-019w	-	-	<0.02	<0.02	17	17	-	-	-	<0.02
Dibenzo(ah)anthracene (leachable)	µg/l	A-T-019w	-	-	<0.02	<0.02	17	17	-	-	-	<0.02
Fluoranthene (leachable)	µg/l	A-T-019w	-	0.0063	<0.02	0.02	17	16	1	5.882352941	-	<0.02
Fluorene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.03	17	16	-	-	-	<0.02
Indeno(123-cd)pyrene (leachable)	µg/l	A-T-019w	-	-	<0.02	<0.02	17	17	-	-	-	<0.02
Naphthalene (leachable)	µg/l	A-T-019w	-	2	<0.02	0.1	17	14	0	0	-	0.08
Phenanthrene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.03	17	16	-	-	-	0.03
Coronene (leachable)	µg/l	A-T-019w	-	-	<0.01	1.75	23	20	-	-	-	<0.01
Pyrene (leachable)	µg/l	A-T-019w	-	-	<0.02	0.05	17	16	-	-	-	<0.02
PAH (total 17((leachable)			-	-	<0.02	3.14	23	6	-	-	-	0.21
TPH CWG Leachable			-	-	-	-	-	-	-	-	-	
Ali >C5-C6 (leachable)	µg/l	A-T-022w	-	-	<1	3	23	10	-	-	-	1
Ali >C6-C8 (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-	<1
Ali >C8-C10 (leachable)	µg/l	A-T-023w	-	-	<1	1	23	22	-	-	-	<1
Ali >C10-C12 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-	<10
Ali >C12-C16 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-	<10
Ali >C16-C21 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-	<10
Ali >C21-C35 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-	<10
Total Aliphatics (leachable)	µg/l	A-T-022w	-	-	<10	<10	23	23	-	-	-	<10
Aro >C5-C7 (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-	<1
Aro >C7-C8 (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-	<1
Aro >C8-C9 (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-	<1
Aro >C9-C10 (leachable)	µg/l	A-T-023w	-	-	<1	<1	23	23	-	-	-	<1
Aro >C10-C12 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-	<10
Aro >C12-C16 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-	<10
Aro >C16-C21 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-	<10
Aro >C21-C35 (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-	<10
Total Aromatics (leachable)	µg/l	A-T-023w	-	-	<10	<10	23	23	-	-	-	<10
TPH (Ali & Aro) (leachable)	µg/l	A-T-022w	10	-	<10	<10	23	23	0	0	-	<10
BTEX - Benzene (leachable)	µg/l	A-T-022w	1	10	<1	<1	23	23	0	0	-	<1
BTEX - Toluene (leachable)	µg/l	A-T-022w	-	74	<1	<1	23	23	0	0	-	<1
BTEX - Ethyl Benzene (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-	<1
BTEX - o Xylene (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-	<1
BTEX - m & p Xylene (leachable)	µg/l	A-T-022w	-	-	<1	<1	23	23	-	-	-	<1
MTBE (leachable)			-	-	<1	2	23	6	-	-	-	1

Note: Groundwater data has been compiled from a mixture of AGS and Laboratory Cross-tabs reports. In order to aid assessment, less than symbols (<) have been removed from the data. Reference should be made to the original data contained within the factual reports (refer to the text of the Jacobs Risk Assessment and Remediation Strategy for further details).

Where determinands are reported multiple times these represent the different unit and limit of detection (LOD) combinations present within the original data.

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	No. of Results >LOD (Positive detections)	No. of results > EQS Freshwater Guideline (DWS where not available)	No. of Positive Detections > EQS Freshwater (DWS where N/A)	BH1009 14/06979/1	BH1010R 15/00305/4	BH1012 15/00171/5	BH1013R 14/06979/2	BH1025R 14/06979/3	BH1028R 14/06979/4	BH14 1565829	BH14 00156582	BH14 00156582	BH14 11/01258/1	BH14 11/01890/1	BH14 14/07071/4	BH14 TM176_340	BH14 TM208_340	BH14 11/01911/1	BH15 TM176_341	BH15 TM208_341	BH16 14/03816/2	BH17 14/03827/2	BH20 14/03882/5	BH21 14/03827/1	BH24 14/03827/3	BH309 11/02226/6	BH309 11/02988/2	BH309 14/03698/5	BH309 14/03698/6	BH309R 11/02226/5	BH309R 11/02988/2	BH309R 14/03698/6	BH310 11/02226/2	BH310 11/02988/2	BH310 14/03716/2	BH310R 11/02226/3	BH310R 11/02226/4	BH310R 11/02988/2
1,1,1,2-Tetrachloroethane	ug/l	1.3	-	140		1.3	1.3	3	0	0	0														1.3			1.3																
1,1,1,2-Tetrachloroethane	ug/l	0.1	-	140		0.1	0.1	1	0	0	0							0.1																										
1,1,1,2-Tetrachloroethane	ug/l	1	-	140		1	1	88	0	0	0												1						1	1	1	1	1		1	1			1				
1,1,1-Trichloroethane	ug/l	1.3	-	100	100	1.3	1.92	3	1	0	0														1.3			1.3																
1,1,1-Trichloroethane	ug/l	0.1	-	100	100	1.16	1.16	1	1	0	0							1.16																										
1,1,1-Trichloroethane	ug/l	1	-	100	100	1	22	88	6	0	0												1						1	1	1	1	1		1	1			1				
1,1,2,2-Tetrachloroethane	ug/l	5.2	-	-		5.2	5.2	3	0	-	-														5.2			5.2																
1,1,2,2-Tetrachloroethane	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																										
1,1,2,2-Tetrachloroethane	ug/l	1	-	-		1	1	88	0	-	-												1						1	1	1	1	1		1	1			1				
1,1,2-Trichloroethane	ug/l	2.2	-	400	300	2.2	2.2	3	0	0	0														2.2			2.2																
1,1,2-Trichloroethane	ug/l	0.1	-	400	300	0.1	0.1	1	0	0	0							0.1																										
1,1,2-Trichloroethane	ug/l	1	-	400	300	1	1	88	0	0	0												1						1	1	1	1	1		1	1			1				
1,1-Dichloropropene	ug/l	1.3	-	-		1.3	1.3	3	0	-	-														1.3			1.3																
1,1-Dichloropropene	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																										
1,1-Dichloropropene	ug/l	1	-	-		1	1	88	0	-	-												1						1	1	1	1	1		1	1			1				
1,1-Dichloroethane	ug/l	1.2	-	10	10	1.2	1.2	3	0	0	0														1.2			1.2																
1,1-Dichloroethane	ug/l	0.1	-	10	10	0.1	0.1	1	0	0	0							0.1																										
1,1-Dichloroethane	ug/l	1	-	10	10	1	8	88	1	0	0												1						1	1	1	1	1		1	1			1				
1,1-Dichloroethene	ug/l	1.2	-	-		1.2	1.2	3	0	-	-														1.2			1.2																
1,1-Dichloroethene	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																										
1,1-Dichloroethene	ug/l	1	-	-		1	33	88	1	-	-												1						1	1	1	1	1		1	1			1				
1,2,3-Trichlorobenzene	ug/l	3.1	-	0.4	0.4	3.1	3.1	3	0	3	0														3.1			3.1																
1,2,3-Trichlorobenzene	ug/l	0.5	-	0.4	0.4	0.5	0.5	1	0	1	0							0.5																										
1,2,3-Trichlorobenzene	ug/l	3	-	0.4	0.4	3	3	68	0	68	0												3						3	3	3	3	3		3	3			3				
1,2,3-Trichlorobenzene	ug/l	1	-	-		1	1	20	0	-	-																																	
1,2,3-Trichloropropane	ug/l	7.8	-	-		7.8	7.8	3	0	-	-														7.8			7.8																
1,2,3-Trichloropropane	ug/l	0.5	-	-		0.5	0.5	1	0	-	-							0.5																										
1,2,3-Trichloropropane	ug/l	1	-	-		1	1	88	0	-	-												1						1	1	1	1	1		1	1			1				
1,2,3-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																										
1,2,4-Trichlorobenzene	ug/l	1	-	-		1	1	3	0	-	-													1			1																
1,2,4-Trichlorobenzene	ug/l	2.3	-	-		2.3	2.3	3	0	-	-														2.3			2.3																
1,2,4-Trichlorobenzene	ug/l	0.5	-	-		0.5	1	2	1	-	-									1	0.5																						
1,2,4-Trichlorobenzene	ug/l	1	-	-		1	1	27	0	-	-																																	
1,2,4-Trichlorobenzene	ug/l	3	-	-		3	3	68	0	-	-												3						3	3	3	3	3		3	3			3				
1,2,4-Trimethylbenzene	ug/l	1.7	-	-		1.7	1.7	3	0	-	-														1.7			1.7																
1,2,4-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																										
1,2,4-Trimethylbenzene	ug/l	1	-	-		1	1	88	0	-	-												1						1	1	1	1	1		1	1			1				
1,2-Dibromo-3-chloropropane	ug/l	9.8	-	-		9.8	9.8	3	0	-	-														9.8			9.8																
1,2-Dibromo-3-chloropropane	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																										
1,2-Dibromo-3-chloropropane	ug/l	2	-	-		2	2	68	0	-	-												2						2	2	2	2	2		2	2			2				
1,2-Dibromo-3-chloropropane	ug/l	1	-	-		1	1	20	0	-	-																																	
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	23	0	-	-													1			1																
1,2-Dichlorobenzene	ug/l	3.7	-	-		3.7	3.7	3	0	-	-														3.7			3.7																
1,2-Dichlorobenzene	ug/l	0.1	-	-		0.1	0.1	1	0	-	-										0.1																						
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	8	0	-	-							1																										
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	68	0	-	-												1						1	1	1	1	1		1	1			1				
1,2-Dichloroethane	ug/l	3.3	-	-		3.3	3.3	3	0	-	-														3.3			3.3																
1,2-Dichloroethane	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																										
1,2-Dichloroethane	ug/l	2	-	-		2	2	68	0	-	-												2						2	2	2	2	2		2	2			2				
1,2-Dichloroethane	ug/l	1	-	-		1	1	20	0	-	-																																	
cis 1,2-Dichloroethene	ug/l	2.3	-	-		2.3	2.3	3	0	-	-														2.3			2.3																
cis 1,2-Dichloroethene	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																										
cis 1,2-Dichloroethene	ug/l	1	-	-		1	3.81	88	5	-	-												1						1	1	1	1	1		1	1			1				
1,2-Dibromoethane	ug/l	2.3	-	-		2.3	2.3	3	0	-	-														2.3			2.3																
1,2-Dibromoethane	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																										
1,2-Dibromoethane	ug/l	1	-	-		1	2	89	1	-	-							1																										
1,2-Dichloropropane	ug/l	3	-	-		3	3	3	0	-	-														3			3																
1,2-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																										
1,2-Dichloropropane	ug/l	1	-	-		1	2	88	1	-	-												1						1	1	1	1	1		1	1			1				
1,3,5- Trichlorobenzene	ug/l	10	-	-		10	10	3	0	-	-														10			10																
1,3,5- Trichlorobenzene	ug/l	0.5	-	-		0.5	0.5	1	0	-	-							0.5																										
1,3,5-Trimethylbenzene	ug/l	1.8	-	-		1.8	1.8	3	0	-	-														1.8			1.8																
1,3,5-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																										
1,3,5-Trimethylbenzene	ug/l	1	-	-		1	2	88	1	-	-												1						1	1	1	1	1		1	1			1				
1,3,5-Trichlorobenzene	ug/l	1	-	-		1	1	6	0	-	-																																	
1,3-Dichlorobenzene	ug/l	1	-	-		1	1	3	0	-	-													1			1																
1,3-Dichlorobenzene	ug/l	2.2	-	-		2.2	2.2	3	0	-	-														2.2			2.2																
1,3-Dichlorobenzene	ug/l	0.5	-	-		0.5	0.5	1	0	-	-										0.5																						
1,3-Dichlorobenzene	ug/l	1	-	-		1	1	90	0	-	-							1																										
cis 1,3-Dichloropropene	ug/l	1.9	-	-		1.9	1.9	3	0	-	-												1						1	1	1	1	1		1	1			1				
cis 1,3-Dichloropropene	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																										
cis 1,3-Dichloropropene	ug/l	1	-	-		1	1	88	0	-	-												1						1	1	1	1	1		1	1			1				
1,3-Dinitrobenzene	ug/l	1	-	-		1	1	1	0	-	-							1																										
1,3-Dichloropropane	ug/l	2.2	-	-		2.2	2.2	3	0	-	-														2.2			2.2																
1,3-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																										
1,3-Dichloropropane	ug/l	1	-	-		1	1	88	0	-	-												1						1	1	1	1	1		1	1			1				
1,4-Dichlorobenzene	ug/l	2.7	20	20		2.7	2.7	3	0	0	0														2.7			2.7																
1,4-Dichlorobenzene	ug/l	0.1	20	20		0.1	3	2	1	0	0									1	0.1																						
1,4-Dichlorobenzene	ug/l	1	20	20		1	1	73	0	0	0							1																										
1,4-Dinitrobenzene	ug/l	1	-	-		1	1	1	0	-	-							1																										
2,2-Dichloropropane	ug/l	3.8	-	-		3.8	3.8	3	0	-	-														3.8			3.8																
2,2-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																										
2,2-Dichloropropane	ug/l	1	-	-		1	1	88	0	-	-												1						1	1	1	1	1		1	1			1				
2,3,4,6- Tetrachlorophenol	ug/l	1	-	-		1	1	1	0	-	-							1																										
2,4,5-Trichlorophenol	ug/l	1	-	-		1	1	77	0	-	-							1						1			1																
2,4,6-Trichlorophenol	ug/l	1	-	-		1	1	77	0	-	-							1						1			1																
2,4-Dichlorophenol	ug/l	1	4.2	0.42		1	1	77	0	77	0							1						1			1																
2,4-Dimethylphenol	ug/l	1	-	-		1	1	77	0	-	-							1						1			1																
2,4-Dinitrophenol	ug/l	1	-	-		1	1	67	0	-	-													1																				
2,4-Dinitrotoluene	ug/l	1	-	-		1	1	77	0	-	-							1						1			1																
2,6-Dinitrotoluene	ug/l	1	-	-		1	1	77	0	-	-							1						1			1																
2-Chloronaphthalene	ug/l	1	-	-		1	1	77	0	-	-							1						1			1																
2-Chlorophenol	ug/l	1	-	-		1	1	77	0	-	-							1						1			1																
2-Chlorotoluene	ug/l	1.9	-	-		1.9	1.9	3	0	-	-														1.9			1.9																
2-Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																										
2-Chlorotoluene	ug/l	1	-	-		1	2	88	1	-	-												1						1	1	1	1	1		1	1			1				
2-Methylnaphthalene	ug/l	1	-	-		1	1	77	0	-	-							1						1			1																
2-Methylphenol	ug/l	1	-	-		1	1	76	0	-	-							1						1			1																
2- Nitroaniline	ug/l	1	-	-		1	1	10	0	-	-							1						1			1																
2-Nitrophenol	ug/l	1	-	-		1	1	77	0	-	-							1						1			1																
3,4-Methylphenol	ug/l	1	-	-		1	1	1	0	-	-							1																										
3- Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																										
3- Nitroaniline	ug/l	1	-	-		1	1	9	0	-	-													1			1																
3,4-Nitroaniline	ug/l	2	-	-		2	2	1	0	-	-							2																										
4,6-Dinitro-2-methylphenol	ug/l	1	-	-		1	1	67	0	-	-													1						1	1	1	1	1		1	1			1				
4-Bromophenyl phenyl ether	ug/l	1	-	-		1	1	77	0	-	-							1						1			1																
4-Chloro-3-methylphenol	ug/l	1	-	-		1	1	73	0	-	-							1						1			1																
4 - Chloro - 3 - Methlphenol	ug/l	1	-	-		1	1	4	0	-	-							1									1																
4- Chloroaniline	ug/l	1	-	-		1	1	10	0	-	-							1									1																
4- Chlorophenyl phenyl ether	ug/l	1	-	-		1	1	10	0	-	-							1									1																
4-Chlorotoluene	ug/l	1.9	-	-		1.9	1.9	3	0	-	-														1.9			1.9																
4-Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																										
4-Chlorotoluene	ug/l	1	-	-		1	2	88	1	-	-												1						1	1	1	1	1		1	1			1				
4-Isopropyltoluene	ug/l	2.6	-	-		2.6	2.6	3	0	-	-														2.6			2.6																
4-Isopropyltoluene	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																										
4-Isopropyltoluene	ug/l	1	-	-		1	1	82	0	-	-												1						1	1	1	1	1		1	1			1				
4-Methylphenol	ug/l	1	-	-		1	1	76	0	-	-												1				1		1	1	1	1	1		1	1			1				
4- Nitroaniline	ug/l	1	-	-		1	1	9	0	-	-																1																
4-Nitrophenol	ug/l	1	-	-		1	1	76	0	-	-												1				1		1	1	1	1	1		1	1			1				
Acenaphthylene	ug/l	0.01	-	-		0.01	0.01	70	0	-	-										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	ug/l	0.011	-	-		0.011	0.011	6	0	-	-																																	

Key:

0.1 Result <LOD

0.1 Positive Detection >EQS Freshwater

0.1 Positive Detection >DWS (where EQS Freshwater not available)

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	No. of Results >LOD (Positive detections)	No. of results > EQS Freshwater Guideline (DWS where not available)	No. of Positive Detections > EQS Freshwater (DWS where N/A)	BH1009 14/06979/1	BH1010R 15/00309/4	BH1012 15/00171/5	BH1013R 14/06979/2	BH1025R 14/06979/3	BH1028R 14/06979/4	BH14 1565829	BH14 00156529T	BH14 00156529T	BH14 11/01258/1	BH14 11/01890/1	BH14 14/07071/4	BH14 TM176_340	BH14 TM208_340	BH15 11/01911/1	BH15 TM176_341	BH15 TM208_341	BH16 14/03816/2	BH17 14/03827/2	BH20 14/03882/5	BH21 14/03827/1	BH24 14/03827/3	BH309 11/02226/6	BH309 11/02988/2	BH309 14/03698/5	BH309 14/03698/6	BH309R 11/02226/5	BH309R 11/02988/2	BH309R 14/03698/6	BH310 11/02226/2	BH310 11/02988/2	BH310 14/03716/2	BH310R 11/02226/3	BH310R 11/02226/4	BH310R 11/02988/2
Acenaphthylene	ug/l	1	-	-	-	1	1	77	0	-	-							1									1																	
Acenaphthene	ug/l	0.85	-	-	-	0.01	0.09	70	2	-	-										0.04	0.02	0.01			0.01				0.01	0.02	0.01	0.02	0.01			0.01	0.02			0.01			0.01		
Acenaphthene	ug/l	0.015	-	-	-	0.015	0.015	6	0	-	-																																		
Acenaphthene	ug/l	1	-	-	-	1	1	77	0	-	-							1									1																			
Aluminium (dissolved)	ug/l	2.9	-	-	-	2.9	6070	155	82	-	-																																		
Aluminium (dissolved)	ug/l	10	-	-	-	10	465	45	4	-	-																																		
Alkalinity by titration (bicarbonate)	mg/l CaCO3	2	-	-	-	2	490	226	209	-	-		45	2	305	180	105	220						70						230	70	80	215	200			83	157			157			240		
Alkalinity (total)	mg/l CaCO3	2	-	-	-	23.5	3170	226	226	-	-		125	2260	305	180	105	220						70						230	70	80	215	200			83	157			157			240		
Alkalinity (total)	mg/l CaCO3	20	-	-	-	72	585	34	34	-	-																								101	122				157	188		231	275		244	224	300
Ammoniacal nitrogen	mg/l	0.01	0.5	-	-	0.01	9.5	95	79	14	14	0.95	1.53	0.01	0.05	0.06	0.07													0.03	0.01	0.02	0.03	0.02			0.01	0.01			0.01			0.03		
Ammoniacal nitrogen	mg/l	0.1	0.5	-	-	0.1	4.4	34	8	5	5																								0.1	0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Ammoniacal nitrogen	mg/l	0.3	0.5	-	-	0.2	6.09	138	51	27	27																																			
Anthracene	ug/l	0.01	-	0.1	0.1	0.01	0.04	70	4	0	0										0.02	0.04	0.01			0.01				0.01	0.01	0.01	0.01	0.01			0.01	0.01			0.01			0.01		
Anthracene	ug/l	1	-	0.1	0.1	1	1	71	0	71	0							1					1				1			1	1	1	1	1			1	1			1			1		
Anthracene	ug/l	0.015	-	0.1	0.1	0.015	0.015	6	0	0	0																																		
Arsenic	ug/l	0.12	10	50	25	0.12	48.1	141	125	0	0																																		
Arsenic	ug/l	1	10	50	25	1	5	73	14	0	0							1	1		1						1			1	1	1	1	1			1	1			1			1		
Beryllium (diss.filt)	ug/l	0.07	-	-	-	0.07	0.113	6	1	-	-																																		
Azobenzene	ug/l	1	-	-	-	1	1	10	0	-	-							1						1			1																		
Boron	ug/l	10	-	-	-	10	45	28	27	-	-										32	45																							
Bis(2-chloroethyl)ether	ug/l	1	-	-	-	1	1	73	0	-	-																																		
Bis(2-chloroethoxy)methane	ug/l	1	-	-	-	1	1	77	0	-	-							1						1			1			1	1	1	1	1			1	1			1			1		
bis (2 - chloroethyl) ether	ug/l	1	-	-	-	1	1	4	0	-	-							1						1			1																		
Bis(2-chloroisopropyl)ether	ug/l	1	-	-	-	1	1	69	0	-	-							1						1			1			1	1	1	1	1			1	1			1			1		
Bis(2-ethylhexyl)phthalate	ug/l	2	-	1.3	1.3	2	5	76	1	76	1													2	1		2			2	2	2	2	2			2	2			2			2		
Butylbenzyl phthalate	ug/l	1.5	-	7.5	0.75	2	2	1	1	0	0							2																											
Butylbenzyl phthalate	ug/l	1	-	7.5	0.75	1	1	76	0	-	-													1	1		1			1	1	1	1	1			1	1			1			1		
Benzo(a)anthracene	ug/l	1	-	-	-	1	1	77	0	-	-							1						1	1		1			1	1	1	1	1			1	1			1			1		
Benzo(a)anthracene	ug/l	0.01	-	-	-	0.01	0.06	70	1	0	0								0.01	0.01	0.01	0.02	0.01			0.01				0.01	0.02	0.01	0.01	0.01			0.01	0.02			0.01			0.01		
Benzo(a)anthracene	ug/l	0.017	-	-	-	0.017	0.017	6	0	-	-																																		
Benzo(a)pyrene	ug/l	1	-	0.00017	0.00017	1	1	77	0	77	0							1						1	1		1			1	1	1	1	1			1	1			1			1		
Benzo(a)pyrene	ug/l	0.01	-	0.00017	0.00017	0.01	0.03	70	1	70	1								0.01	0.01	0.01	0.02	0.01			0.01				0.01	0.02	0.01	0.01	0.01			0.01	0.02			0.01			0.01		
Benzo(a)pyrene	ug/l	0.009	-	0.00017	0.00017	0.009	0.009	6	0	0	0																																		
Benzo(b)fluoranthene	ug/l	1	-	0.017	0.017	1	1	77	0	77	0							1						1	1		1			1	1	1	1	1			1	1			1			1		
Benzo(b)fluoranthene	ug/l	0.01	-	0.017	0.017	0.01	0.04	70	1	1	1								0.01	0.01	0.01	0.02	0.01			0.01				0.01	0.02	0.01	0.01	0.01			0.01	0.02			0.01			0.01		
Benzo(b)fluoranthene	ug/l	0.023	-	0.017	0.017	0.023	0.023	6	0	0	0																																		
Benzo(ghi)perylene	ug/l	2	-	0.0082	0.00082	2	2	1	0	0	0							2																											
Benzo(ghi)perylene	ug/l	1	-	0.0082	0.00082	1	1	76	0	76	0													1	1		1			1	1	1	1	1			1	1			1			1		
Benzo(ghi)perylene	ug/l	0.01	-	0.0082	0.00082	0.01	0.01	70	0	70	0								0.01	0.01	0.01	0.02	0.01			0.01				0.01	0.02	0.01	0.01	0.01			0.01	0.02			0.01			0.01		
Benzo(ghi)perylene	ug/l	0.016	-	0.0082	0.00082	0.016	0.016	6	0	0	0																																		
Benzo(k)fluoranthene	ug/l	1	-	0.017	0.017	1	1	77	0	77	0							1						1	1		1			1	1	1	1	1			1	1			1			1		
Benzo(k)fluoranthene	ug/l	0.01	-	0.017	0.017	0.01	0.03	70	1	1	1								0.01	0.01	0.01	0.02	0.01			0.01				0.01	0.02	0.01	0.01	0.01			0.01	0.02			0.01			0.01		
Benzo(k)fluoranthene	ug/l	0.027	-	0.017	0.017	0.027	0.027	6	0	0	0																																		
BTEX - Benzene	ug/l	1.3	1	10	8	1.3	1.3	3	0	0	0															1.3			1.3																
BTEX - Benzene	ug/l	0.1	1	10	8	0.1	0.1	1	0	0	0							0.1																												
BTEX - Benzene	ug/l	1	1	10	8	1	3	72	1	0	0										1	1	1			1				1	1	1	1	1			1	1			1			1		
BTEX - Benzene	ug/l	7	1	10	8	7	7	137	0	0	0																																		
Benzene VOC	ug/l	1	-	-	-	1	1	14	0	-	-																																		
Benzyl alcohol	ug/l	5	-	-	-	5	5	1	0	-	-							5																												
BOD (settled, 5 day)	mg/l	1	-	-	-	1	30	34	10	-	-																								5	1			4	1		7	1		5	6	1
Bromobenzene	ug/l	2	-	-	-	2	2	3	0	-	-															2			2																
Bromobenzene	ug/l	0.1	-	-	-	0.1	0.1	1	0	-	-							0.1																												
Bromobenzene	ug/l	1	-	-	-	1	1	88	0	-	-													1						1	1	1	1	1			1	1			1			1		
Bromochloromethane	ug/l	1.9	-	-	-	1.9	1.9	3	0	-	-															1.9			1.9																
Bromochloromethane	ug/l	0.1	-	-	-	0.1	0.1	1	0	-	-							0.1																												
Bromochloromethane	ug/l	5	-	-	-	5	5	68	0	-	-													5						5	5	5	5	5			5	5			5			5		
Bromochloromethane	ug/l	1	-	-	-	1	1	20	0	-	-																																		
Bromoform	ug/l	3	-	-	-	3	3	3	0	-	-															3			3																
Bromoform	ug/l	0.1	-	-	-	0.1	0.1	1	0	-	-							0.1																												
Bromoform	ug/l	1	-	-	-	1	2	88	3	-	-													1						1	1	1	1	1			1	1			1			1		
Bromomethane	ug/l	2	-	-	-	2	2	3	0	-	-															2			2																
Bromomethane	ug/l	1	-	-	-	1	1	88	0	-	-													1						1	1	1	1	1			1	1			1			1		
Bromodichloromethane	ug/l	0.9	-	-	-	0.9	0.9	3	0	-	-															0.9			0.9																
Bromodichloromethane	ug/l	0.1	-	-	-	0.1	0.1	1	0	-	-							0.1																												
Bromodichloromethane	ug/l	10	-	-	-	10	10	68	0	-	-													10						10	10	10	10	10			10	10			10			10		
Bromodichloromethane	ug/l	1	-	-	-	1	1	20	0	-	-																																		
All >C5-C6	ug/l	1	-	-	-	1	13	72	3	-	-										1	1	1			1				1	1	1	1	1			1	1			1			1		
All >C5-C6	ug/l	10	-	-	-	10	10	6	0	-	-																																		
Aro >C5-C7	ug/l	1	-	-	-	1	3	72	1	-	-										1	1				1				1	1	1	1	1			1	1			1			1		
Aro >C5-C7	ug/l	10	-	-	-	10	10	6	0	-	-																																		
Total TPH Aliphatic and Aromatic C5-C35	ug/l	5	10	-	-	5	1270	23	2	2	2										1270	852				5												5							
Total Aliphatics	ug/l	5	-	-	-	5	2519	72	12	-	-										5	852	5			5				5	5	5	5	5			5	5			5			5		
Total Aliphatics	ug/l	10	-	-	-	10	84	6	1	-	-																																		
TPH (All & Aro)	ug/l	5	10	-	-	5	12202	66	19	10	10																			5	5	5	5	5			5	5			5			5		
TPH (All & Aro)	ug/l	10	10	-	-	10	105	6	2	2	2																																		
Total Aromatics	ug/l	5	-	-	-	5	12002	72	11	-	-										1270	5	5			5				5	5	5	5	5			5	5			5			5		
Total Aromatics	ug/l	10	-	-	-	10	21	6	1	-	-																																		
All >C6-C8	ug/l	1	-	-	-	1	8	72	7	-	-										1	1	1			1				1	1	1	1	1			1	1			1			1		
All >C6-C8	ug/l	10	-	-	-	10	10	6	0	-	-																																		
Aro >C7-C8	ug/l	1	-	-	-	1	77	72	1	-	-										1	1	1			1				1	1	1	1	1			1	1			1			1		
Aro >C7-C8	ug/l	10	-	-	-	10	10	6	0	-	-																																		
Aro >C8-C9	ug/l	1	-	-	-	1	62	72	7	-	-										1	1	1			1				1	1	1	1	1			1	1			1			1		
Aro >C8-C9	ug/l	10	-	-	-	10	10	6	0	-	-																																		
All >C8-C10	ug/l	1	-	-	-	1	74	72	4	-	-										1	1	1			1				1	1	1	1	1			1	1			1			1		
All >C8-C10	ug/l	10	-	-	-	10	10	6	0	-	-																																		
Aro >C9-C10	ug/l	1	-	-	-	1	7	72	6	-	-										1	1	1			1				1	1	1	1	1			1	1			1			1		
Aro >C9-C10	ug/l	10	-	-	-	10	10	6	0	-	-																																		
All >C10-C12	ug/l	5	-	-	-	5	5	72	0	-	-										5	5	5			5				5	5	5	5	5			5	5			5			5		
All >C10-C12	ug/l	10	-	-	-	10	10	6	0	-	-																																		
Aro >C10-C12	ug/l	5	-	-	-	5	62	72	4	-	-										5	5	5			5				5	5	5	5	5			5	5			5			5		
Aro >C10-C12	ug/l	10	-	-	-	10	10	6	0	-	-																																		
All >C12-C16	ug/l	5	-	-	-	5	61	72	2	-	-										5	61	5			5				5	5	5	5	5			5	5			5			5		
All >C12-C16	ug/l	10	-	-	-	10	10	6	0	-	-																																		
Aro >C12-C16	ug/l	5	-	-	-	5	64	72	0	-	-										64	5	5			5				5	5	5	5	5			5	5			5			5		
Aro >C12-C16	ug/l	10	-	-	-	10	10	6	0	-	-																																		
All >C16-C21	ug/l	5	-	-	-	5	343	72	3	-	-										5	343	5			5				5	5	5	5	5			5	5			5			5		
All >C16-C21	ug/l	10	-	-	-	10	24	6	2	-	-																																		
Aro >C16-C21	ug/l	5	-	-	-	5	11557	72	6	-	-										378	5	5			5				5	5	5	5	5			5	5			5			5		
Aro >C16-C21	ug/l	10	-	-	-	10	10	6	0	-	-																																		
All >C21-C35	ug/l	5	-	-	-	5	2409	72	3	-	-										5	448	5			5				5	5	5	5	5			5	5			5			5		
All >C21-C35	ug/l	10	-	-	-	10	60	6	1	-	-																																		
Aro >C21-C35	ug/l	5	-	-	-	5	1070	72	5	-	-										828	5	5			5				5	5	5	5	5			5	5			5			5		
Aro >C21-C35	ug/l	10	-	-	-	10	21	6	1	-	-																																		
Calcium (dissolved)	mg/l	1	-	-	-	1.77	474	270	270	-	-		50	462	102	69	37	82						30						80	21	64	85	98	37.8	52.2	42	65	60.7	70.5	66	70.5	70.2	76	75.6	62.3	75.9
Chlorobenzene	ug/l	3.5	-	-	-	3.5	3.5	3	0	-	-															3.5			3.5																
Chlorobenzene	ug/l	0.1	-	-	-	0.1	0.1	1	0	-	-							0.1																												
Chlorobenzene	ug/l	1	-	-	-	1	1	88	0	-	-													1						1	1	1	1	1			1	1			1			1		
Carbazole	ug/l	1	-	-	-	1	1	77	0	-	-							1						1	1		1			1	1	1	1	1			1	1			1			1		
Cadmium	ug/l	0.05	5	0.15	0.2	0.05	0.12	45	5	0	0												0.05							0.12	0.05	0.05	0.05	0.05			0.05	0.05			0.05			0.05		
Cadmium	ug/l	0.1	5	0.15	0.2	0.1	1.16	141	14	14	10																																		
Cadmium	ug/l	1	5	0.15	0.2	1	1	28	0	28	0										1	1				1												1	1			1				
Carbon Disulphide	ug/l	1.3	-	-	-	1.3	1.3	3	0	-	-															1.3			1.3																
Carbon Disulphide	ug/l	0.1	-	-	-	0.1	0.1	1	0	-	-							0.1																												
Carbon Disulphide	ug/l	1	-	-	-	1	1	88	0	-	-													1						1	1	1	1	1			1	1			1			1		
Chloroethane	ug/l	2.5	-	-	-	2.5	2.5	3	0	-	-															2.5			2.5																
Chloroethane	ug/l	1	-	-	-	1	1	88	0	-	-													1						1	1	1	1	1			1	1			1			1		
Chloroform	ug/l	1.8	-	2.5	2.5	1.8	1.8	3	0	0	0															1.8			1.8																
Chloroform	ug/l	0.1	-	2.5	2.5	0.238	0.238	1	1	0	0							0.238																												
Chloroform	ug/l	25	-	2.5	2.5	25	25	68	0	68	0													25						25	25	25	25	25			25	25			25			25		
Chloroform	ug/l	1	-	2.5	2.5	1	1.06	20	1	0	0																																		
Chloride (w)	mg/l	1	-	250	-	20.64	285	266	266	266	266		40.21	48.6	62.95	39.09	30.08	36.03						73.74						50.99	73.84	69.44	41.58	95.98	43	48	48.38	55.97	49	49	55.97	37	50	41.25	52	50	48
COD (settled)	mg/l	6	-	-	-	6	65	34	15	-	-																								6	12			6	6		6	6		6	11	6
Chloromethane	ug/l	9	-	-	-	9	9	3	0	-	-															9			9																
Chloromethane	ug/l	0.5	-	-	-	0.5	0.5	1	0	-	-							0.5																												
Chloromethane	ug/l	1	-	-	-	1	1	88	0	-	-													1						1	1	1	1	1			1	1			1			1		
Cobalt	ug/l	0.06	-	-	-	0.06	39.3	135	129	-	-																																		
Cobalt	ug/l	1	-	-	-	1	44	73	3	-	-										1	1		1			1			1	1	1	1	1			1	1			1			1		

Key:

0.1 Result <LOD

0.1 Positive Detection >EQS Freshwater

0.1 Positive Detection >DWS (where EQS Freshwater not available)

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	No. of Results <LOD (Positive detections)	No. of results > EQS Freshwater Guideline (DWS where not available)	No. of Positive Detections > EQS Freshwater (DWS where N/A)	BH1009 14/06979/1	BH1010R 15/00305/4	BH1012 15/00171/5	BH1013R 14/06979/2	BH1025R 14/06979/3	BH1028R 14/06979/4	BH14 1565829	BH14 00156582	BH14 00156582	BH14 11/01258/1	BH14 11/01890/1	BH14 14/07071/4	BH14 TM176_340	BH14 TM208_340	BH15 11/01911/1	BH15 TM176_341	BH15 TM208_341	BH16 14/03816/2	BH17 14/03827/2	BH20 14/03882/5	BH21 14/03827/1	BH24 14/03827/3	BH309 11/02226/6	BH309 11/02988/2	BH309 14/03698/5	BH309 14/03698/6	BH309R 11/02226/5	BH309R 11/02988/2	BH309R 14/03698/6	BH310 11/02226/2	BH310 11/02988/2	BH310 14/03716/2	BH310R 11/02226/3	BH310R 11/02226/4	BH310R 11/02988/2
Electrical conductivity	uS/cm	10	2500			15.6	18600	260	260	11	11	642	4290	739	464	311	522						461						541	432	465	507	762	419	456	395	514	553	540	514	578	623	570	697	633	654
Chromium	ug/l	1	50	4.7		0.492	103	216	153	57	56							1		1	1					1			1	1	1	1	1			1	1			1			1			
Chromium (tot.unfilt)	ug/l	3	50	4.7		3	3	6	0	0	0																																		
Chromium, Hexavalent	mg/l	0.03	-	-		0.03	0.03	6	0	-	-																																		
Chrysene	ug/l	1	-	-		1	1	77	0	-	-							1											1	1	1	1	1			1	1			1			1			
Chrysene	ug/l	0.01	-	-		0.01	0.11	70	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	ug/l	0.013	-	-		0.013	0.013	6	0	-	-																																		
Carbon Tetrachloride	ug/l	1.4	-	12	12	1.4	1.4	3	0	0	0															1.4			1.4																
Carbon Tetrachloride	ug/l	0.1	-	12	12	0.1	0.1	1	0	0	0							0.1																											
Carbon Tetrachloride	ug/l	1	-	12	12	1	93	88	2	2	2												1						1	1	1	1	1			1	1			1			1			
Copper	ug/l	0.85	-	1		0.85	134	141	116	112	110																																		
Copper	ug/l	1	-	1		1	239	73	27	27	27										1	1	1			3			3	3	1	3	3			1	1			1			1			
Cyanide, Free	mg/l	0.05	-	-		0.05	0.05	6	0	-	-																																		
Cyanide, Total	mg/l	0.05	-	-		0.05	0.05	6	0	-	-																																		
Dibenzofuran	ug/l	1	2000	1	3.76	1	1	77	0	0	0							1					1	1				1	1	1	1	1			1	1			1			1			
Dichlorodifluoromethane	ug/l	7	-	-		7	7	3	0	-	-													7			7																		
Dichlorodifluoromethane	ug/l	1	-	-		1	1	82	0	-	-												1	1				1	1	1	1	1			1	1			1			1			
Diethyl phthalate	ug/l	1	-	-		1	1	77	0	-	-							1					1	1				1	1	1	1	1			1	1			1			1			
Dibenzo(ah)anthracene	ug/l	1.5	-	-		2	2	1	1	-	-							2																										
Dibenzo(ah)anthracene	ug/l	1	-	-		1	1	76	0	-	-												1	1				1	1	1	1	1			1	1			1			1			
Dibenzo(ah)anthracene	ug/l	0.01	-	-		0.01	0.01	70	0	-	-										0.01	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	ug/l	0.016	-	-		0.016	0.016	6	0	-	-																																		
Dibromochloromethane	ug/l	1.7	-	-		1.7	1.7	3	0	-	-															1.7			1.7																
Dibromochloromethane	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																											
Dibromochloromethane	ug/l	3	-	-		1	9	88	6	-	-												3						3	3	3	3	3			3	3			3			3			
Dibromochloromethane	ug/l	1	-	-		1	1	20	0	-	-																																		
Dibromomethane	ug/l	2.7	-	-		2.7	2.7	3	0	-	-															2.7			2.7																
Dibromomethane	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																											
Dibromomethane	ug/l	1	-	-		1	1	88	0	-	-												1						1	1	1	1	1			1	1			1			1			
Dichloromethane VOC	ug/l	3.7	-	20	20	3.7	3.7	3	0	0	0															3.7			3.7																
Dichloromethane VOC	ug/l	0.5	-	20	20	0.5	0.5	1	0	0	0							0.5																											
Dichloromethane VOC	ug/l	5	-	20	20	5	20	19	12	0	0												5																						
Dichloromethane VOC	ug/l	20	-	20	20	20	20	49	0	0	0																		20	20	20	20	20			20	20			20			20			
Dimethyl phthalate	ug/l	1	-	-		1	9	77	1	-	-							1					1	1				1	1	1	1	1			1	1			1			1			
Di-isopropylamine	ug/l	1	-	-		1	1	1	0	-	-							1																											
Total Dissolved Solids	mg/l	10	-	-		103	2540	223	223	-	-	362		406	348	181	283						247						103	223	254	195	476			392	436			436			263			
Total Dissolved Solids	mg/l	20	-	-		210	5510	34	34	-	-																						292	296			344	358		347	391		402	370	380
Total Suspended Solids	mg/l	1	-	-		2	29500	131	131	-	-																																		
n-Dibutylphthalate	ug/l	1	-	-		1	1	77	0	-	-							1					1	1				1	1	1	1	1			1	1			1			1			
n-Dioctylphthalate	ug/l	2	-	-		2	2	1	0	-	-							2																											
n-Dioctylphthalate	ug/l	5	-	-		5	448	76	8	-	-												5	5				5	5	5	5	5			5	5			5			92			
Ethyl tert-butyl ether	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																											
BTEX - Ethyl Benzene	ug/l	2.5	-	20	20	2.5	2.5	3	0	0	0															2.5			2.5																
BTEX - Ethyl Benzene	ug/l	0.1	-	20	20	0.1	0.1	1	0	0	0							0.1																											
BTEX - Ethyl Benzene	ug/l	1	-	20	20	1	11	72	1	0	0										1	1	1				1		1	1	1	1	1			1	1			1			1			
BTEX - Ethyl Benzene	ug/l	5	-	20	20	1	5	137	0	0	0																																		
Ethyl Benzene VOC	ug/l	1	-	-		1	1	20	0	-	-																																		
Iron (dissolved)	ug/l	10	200	1000	1000	10	8685	59	30	5	1			57	10																				10					10					32
Iron (dissolved)	mg/l	0.019	0.2	1	1	0.019	54.2	135	71	21	21																																		
Ferrous iron FeII	mg/l	0.1	0.2	1	1	0.1	2.2	129	5	1	1	0.1	0.1	0.1	0.1	0.1	0.1						0.1						0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Ferric iron FeIII	mg/l	0.1	0.2	1	1	0.1	6.67	129	17	4	3	0.1	0.1	0.1	0.1	0.1	0.1						0.1						0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Fluorene	ug/l	0.01	-	-		0.01	0.14	70	4	-	-										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			
Fluorene	ug/l	1	-	-		1	1	77	0	-	-							1					1	1				1	1	1	1	1			1	1			1			1			
Fluorene	ug/l	0.014	-	-		0.014	0.014	6	0	-	-																																		
Fluoranthene	ug/l	1	-	0.0063	0.0063	1	1	77	0	77	0							1																										
Fluoranthene	ug/l	0.01	-	0.0063	0.0063	0.01	0.44	70	6	70	70										0.01	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	ug/l	0.017	-	0.0063	0.0063	0.017	0.017	6	0	0	0																																		
Hexachlorocyclopentadiene	ug/l	1.5	-	-		2	2	1	1	-	-							2																											
Hexachlorocyclopentadiene	ug/l	1	-	-		1	1	76	0	-	-												1	1				1	1	1	1	1			1	1			1			1			
Hexachloroethane	ug/l	1	-	-		1	1	9	0	-	-													1				1																
Hexachloroethane	ug/l	2	-	-		0.5	2	2	0	-	-								2	0.5																									
Hexachloroethane	ug/l	1	-	-		1	1	67	0	-	-												1	1				1	1	1	1	1			1	1			1			1			
Hexachlorobenzene	ug/l	1	-	-		1	1	77	0	-	-							1																											
Hexachlorobutadiene	ug/l	2.5	-	-		2.5	2.5	3	0	-	-															2.5			2.5																
Hexachlorobutadiene	ug/l	1.5	-	-		0.5	2	2	1	-	-								2	0.5																									
Hexachlorobutadiene	ug/l	1	-	-		1	1	92	0	-	-												1	1				1	1	1	1	1			1	1			1			1			
Mercury	ug/l	0.01	1	0.07	0.07	0.01	0.0362	140	4	0	0																																		
Mercury	ug/l	0.05	1	0.07	0.07	0.05	2.45	45	12	11	11												0.05						0.05	0.05	0.05	0.05	0.05			0.05	0.05			0.05			0.05			
Mercury	ug/l	0.1	1	0.07	0.07	0.1	39.1	28	16	28	28										0.1	0.1				0.1																		
Indeno(123-cd)pyrene	ug/l	1.5	-	-		2	2	1	1	-	-							2																											
Indeno(123-cd)pyrene	ug/l	1	-	-		1	1	76	0	-	-												1	1				1	1	1	1	1			1	1			1			1			
Indeno(123-cd)pyrene	ug/l	0.01	-	-		0.01	0.01	70	0	-	-										0.01	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	ug/l	0.014	-	-		0.014	0.014	6	0	-	-																																		
Isopropylbenzene	ug/l	1.4	-	-		1.4	1.4	3	0	-	-															1.4			1.4																
Isopropylbenzene	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																											
Isopropylbenzene	ug/l	1	-	-		1	3	88	1	-	-												1						1	1	1	1	1			1	1			1			1			
Isophorone	ug/l	1	-	-		1	1	9	0	-	-													1				1																
Isophorone	ug/l	1	-	-		1	1	1	0	-	-							1																											
Isophorone	ug/l	1	-	-		1	1	67	0	-	-												1						1	1	1	1	1			1	1			1			1			
Potassium	mg/l	0.1	-	-		0.5	110	95	1	-	-	10.6	60	1.9	0.5	0.5	1.7						1.5						0.7	2.7	0.9	1.3	5.1			0.8	1			1			3.5			
Potassium	mg/l	1	-	-		1	843	175	153	-	-																															1	1.3			1	1.2		3.5	1.2	1.5	1.2	2.2
Magnesium (dissolved)	mg/l	0.036	-	-		0.036	54.8	141	139	-	-																																		
Magnesium (dissolved)	mg/l	1	-	-		1	38.6	140	140	-	-	13	1	24	14	9	14						11						9	16	17	9	16	10.6	12.5	9	9	9.3	9.8	9	15.3	19.4	16	17.2	18.9	16.7
Manganese	ug/l	1	50	123		0.096	9400	291	243	133	133	123	1	26	47	310	1400						29						1400		1600	1	3100	3	2	1	4	2	2	4	7	18	190	230	36	210
Molybdenum	ug/l	0.24	-	-		0.24	33.9	135	91	-	-																																		
Molybdenum	ug/l	0.5	-	-		0.5	59.2	73	48	-	-										1.3	1.6	1.2						0.5	0.5	0.5	0.5	1.9			0.5	0.5			0.5			0.5			
MTBE	ug/l	1.6	-	-		1.6	1.6	3	0	-	-													1.6				1.6																
MTBE	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																											
MTBE	ug/l	1	-	-		1	1	78	0	-	-										1	1	1				1		1	1	1	1	1			1	1			1			1			
MTBE	ug/l	3	-	-		3	3	131	0	-	-																																		
BTEX - m & p Xylene	ug/l	2.5	-	-		2.5	2.5	3	0	-	-															2.5			2.5																
BTEX - m & p Xylene	ug/l	0.2	-	-		0.2	0.2	1	0	-	-							0.2																											
BTEX - m & p Xylene	ug/l	1	-	-		1	37	72	3	-	-										1	1	1				1		1	1	1	1	1			1	1			1			1			
BTEX - m & p Xylene	ug/l	8	-	-		1	8	137	0	-	-																																		
m & p Xylene VOC	ug/l	1	-	-		1	1	20	0	-	-																																		
Sodium	mg/l	0.5	-	-		1.61	825	236	236	-	-	116	427	47.9	26.2	25.8	32.5						56.1						40.7	41.4	39.3	30.2	50.7			25.6	31.7			31.7			27			
Sodium	mg/l	1	-	-		24.3	1250	34	34	-	-																																		
Naphthalene1 -methyl-.	ug/l	1	-	-		1	1	1	0	-	-							1																											
Naphthalene	ug/l	3.5	-	2.4	2.4	3.5	3.5	3	0	0	0															3.5			3.5																
Naphthalene	ug/l	0.5	-	2.4	2.4	0.5	1	2	1	0	0								1	0.5																									
Naphthalene	ug/l	1	-	2.4	2.4	1	1	76	0	0	0												1	1				1	1	1	1	1			1	1			1			1			
Naphthalene	ug/l	0.01	-	2.4	2.4	0.01	0.68	70	12	0	0										0.01	0.01	0.01			0.01			0.01	0.01	0.04	0.02	0.01			0.01	0.01			0.01			0.01			
Naphthalene	ug/l	0.1	-	2.4	2.4	0.1	0.1	6	0	0	0																																		
n-Butylbenzene	ug/l	2	-	-		2	2	3	0	-	-															2			2																
n-Butylbenzene	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																											
n-Butylbenzene	ug/l	1	-	-		1	1	88	0	-	-												1						1	1	1	1	1			1	1			1			1			
Nickel	ug/l	0.15	20	4	8.6	0.15	48.9	141	140	49	49																																		
Nickel	ug/l	1	20	4	8.6	1	56	73	12	4	4										1	1	1				1		1	1	1	1	1			1	1			1			1			
Nitrite as N	mg/l	0.02	11.3	-	-	0.015	2.8404636	132	25	0	0																																		
Nitrite as N	mg/l	0.03	11.3	-	-	0.03	0.71	94	30	0	0	0.05	0.1	0.03	0.03	0.03	0.03						0.03						0.05	0.03	0.03	0.03	0.03			0.03	0.03			0.03			0.03			
Nitrite as N	mg/l	0.1	11.3	-	-	0.1	0.3	34	1	0	0																															0.1	0.1			0.1	0.1	0.1
Nitrate as N	mg/l	0.07	11.3	-	-	0.06	40.4161	138	125	8	8																																		
Nitrate as N	mg/l	0.11	11.3	-	-	0.11	16.73	94	80	2	2	0.11	0.93	0.13	1.75	0.76	0.32						4.72						1.23	5.27	4.77	1.69	11.73			8.9	8.35			8.35			0.66			
Nitrate as N	mg/l	0.5	11.3	-	-	0.6	47.8	34	34	12	12																															17.9	18		1.7	6.9		7.5	7.7	4.6
Nitrobenzene	ug/l	1	-	-		1	1	77	0	-	-							1																											
Nitrogen (kjeldahl)	mg/l	0.1	-	-		0.2	8.4	93	93	-	-	8.4		0.8	6.3	5.5	2.2						1.2						1.3	0.8	0.7	0.8	0.9			0.3	0.3			0.3			0.4			
n-Nitroso-n-dipropylamine	ug/l	1	-	-		1	1	71	0	-	-							1					1						1	1	1	1	1			1	1			1			1			
n-Propylbenzene	ug/l	0.1	-	-		0.1	0.1	1	0	-	-							0.1																											
n-Propylbenzene	ug/l	1	-	-		1	2	74	1	-	-												1						1	1	1	1	1			1	1			1			1			
Nitrogen, Total	mg/l	0.5	-	-		0.5	17.6	93	88	-	-	8.4		0.8	8.1	6.3	2.2						5.9						2.6	6.1	5.5	1.8	12.6			9.1	8.7			8.7			1.1			
BTEX - o Xylene	ug/l	1.7	-	30	30	1.7	1.7	3	0	0	0															1.7			1.7																
BTEX - o Xylene	ug/l	0.1	-	30	30	0.1	0.1	1	0	0	0							0.1																											
BTEX - o Xylene	ug/l	1	-	30	30	1	14	72	2	0	0										1	1	1				1		1	1	1	1	1			1	1			1			1			
BTEX - o Xylene	ug/l	3	-	30	30	1	3	137	0	0	0																																		
oXylene VOC	ug/l	1	-	-		1	1	20	0	-	-																																		
Total PAH	ug/l	0.01	-	-		0.01	1.57	70	20	-	-										0.2	0.16	0.01				0.01			0.01	0.01	0.04	0.04	0.01			0.01	0.01			0.01			0.01			
Lead	ug/l	0.02	10	1.2	1.3	0.02	88.9	141	124	49	49																																		

Key:

0.1 Result <LOD

0.1 Positive Detection >EQS Freshwater

0.1 Positive Detection >DWS (where EQS Freshwater not available)

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	No. of Results >LOD (Positive detections)	No. of results > EQS Freshwater Guideline (DWS where not available)	No. of Positive Detections > EQS Freshwater (DWS where N/A)	BH1009 14/06979/1	BH1010R 15/00305/4	BH1012 15/00171/5	BH1013R 14/06979/2	BH1025R 14/06979/3	BH1028R 14/06979/4	BH14 1565829	BH14 00156582	BH14 00156582	BH14 11/01258/1	BH14 11/01890/1	BH14 14/07071/4	BH14 TM176_340	BH14 TM208_340	BH15 11/01911/1	BH15 TM176_341	BH15 TM208_341	BH16 14/03816/2	BH17 14/03827/2	BH20 14/03882/5	BH21 14/03827/1	BH24 14/03827/3	BH309 11/02226/6	BH309 11/02988/2	BH309 14/03698/5	BH309 14/03698/6	BH309R 11/02226/5	BH309R 11/02988/2	BH309R 14/03698/6	BH310 11/02226/2	BH310 11/02988/2	BH310 14/03716/2	BH310R 11/02226/3	BH310R 11/02226/4	BH310R 11/02988/2
Lead	ug/l	1	10	1.2	1.3	1	43	73	3	3	3										1	1	1			1			1	1	1	1	1			1	1			1				1			
Paclobutrazol	ug/l	2.6	-	-		2.6	2.6	3	0	-	-												2.6					2.6																			
Perylene	ug/l	1	-	-		1	1	73	0	-	-												1							1	1	1	1	1			1	1			1							
Phenol SVOC	ug/l	3	-	-		3	3	1	0	-	-							3																													
Phenol SVOC	ug/l	1	-	-		1	4	76	3	-	-												1	1			1			1	1	1	1	1			1	1			1							
Phosphorus, (total)	ug/l	100	-	-		100	100	34	0	-	-																							100	100			100	100		100	100	100					
Phosphorus, (total)	ug/l	100	-	-		100	2030	94	8	-	-	100	100	100	100	100	100						100							100	100	100	100	100			100	100			100				100			
pH	pH	0.01	5.5 - 9.5	6 - 9		5.98	12.59	232	232	16	16	10.17	12.24	7.39	7.1	6.39	7.17						7.49							8.06	7.6	6.69	8.13	8.08			6.57	7.15			7.15				6.65			
pH	pH	0.1	5.5 - 9.5	6 - 9		6.6	13.1	38	38	1	1							6.8	6.9							7.2								8	7.1			8.4	7.8		8	7.7			8.4	8.2	7.9
Pentachlorophenol	ug/l	1	-	-	0.4	0.4	1	1	77	0	0							1																													
Phenanthrene	ug/l	0.01	-	-			0.01	0.35	70	2	-	-									0.06	0.06	0.01			0.01			0.01	0.01	0.01	0.01	0.01			0.01	0.01			0.01				0.01			
Phenanthrene	ug/l	1	-	-			1	1	77	0	-	-							1								1			1	1	1	1	1			1	1			1				1			
Phenanthrene	ug/l	0.022	-	-			0.022	0.022	6	0	-	-																																				
Pyrene	ug/l	0.01	-	-			0.01	0.41	70	4	-	-									0.03	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	ug/l	1	-	-			1	1	77	0	-	-							1				1				1			1	1	1	1	1			1	1			1				1			
Pyrene	ug/l	0.015	-	-			0.015	0.015	6	0	-	-																																				
Antimony (dissolved)	ug/l	0.16	5	-			0.16	6.63	135	86	1	1																																				
Antimony (dissolved)	ug/l	1	5	-			1	4	49	1	0	0									1	1	1						1	1	1	1	1			1	1			1				1			
Selenium	ug/l	0.39	10	-			0.39	9.72	141	111	0	0															1			1	1	1	1	4			1	1			1				1			
Selenium	ug/l	1	10	-			1	4	73	5	0	0									1	1	1						1	1	1	1	1			1	1			1				1			
sec-Butylbenzene	ug/l	1.7	-	-			1.7	1.7	3	0	-	-														1.7			1.7																		
sec-Butylbenzene	ug/l	0.1	-	-			0.1	0.1	1	0	-	-							0.1																													
sec-Butylbenzene	ug/l	1	-	-			1	1	88	0	-	-												1						1	1	1	1	1			1	1			1							
Styrene	ug/l	1.2	-	-	50	50	1.2	1.52	3	1	0	0														1.2			1.2																		
Styrene	ug/l	0.5	-	-	50	50	0.5	0.5	1	0	0	0							0.5																												
Styrene	ug/l	1	-	-	50	50	1	1	88	0	0	0												1						1	1	1	1	1			1	1			1							
Sulphate	mg/l	1	250	-			1	384	132	131	2	2	61	4	59	20	16	24				33	250	35			21			16	24	35	13	52	19	26	19	26	23	22	26	26	37	28	37	38	39
Sulphate	mg/l	2	250	-			2	226	138	134	0	0																																				
Sulphide	mg/l	0.01	-	-			0.01	0.01	6	0	-	-																																				
Sulphur, Free	mg/l	0.05	-	-			0.05	0.15	6	1	-	-																																				
trans 1,2-Dichloroethene	ug/l	1.9	-	-			1.9	1.9	3	0	-	-														1.9			1.9																		
trans 1,2-Dichloroethene	ug/l	0.1	-	-			0.1	0.1	1	0	-	-							0.1																													
trans 1,2-Dichloroethene	ug/l	1	-	-			1	1	88	0	-	-												1						1	1	1	1	1			1	1			1							
trans 1,3-Dichloropropene	ug/l	3.5	-	-			3.5	3.5	3	0	-	-														3.5			3.5																		
trans 1,3-Dichloropropene	ug/l	0.5	-	-			0.5	0.5	1	0	-	-							0.5																													
trans 1,3-Dichloropropene	ug/l	1	-	-			1	1	88	0	-	-												1						1	1	1	1	1			1	1			1							
tert-Amyl methyl ether	ug/l	1	-	-			1	1	9	0	-	-														1			1																		
tert-Amyl methyl ether	ug/l	0.1	-	-			0.1	0.1	1	0	-	-							0.1																													
Trichlorofluoromethane	ug/l	1.3	-	-			1.3	1.3	3	0	-	-														1.3			1.3																		
Trichlorofluoromethane	ug/l	0.1	-	-			0.1	0.1	1	0	-	-							0.1																													
Trichlorofluoromethane	ug/l	1	-	-			1	1	88	0	-	-												1						1	1	1	1	1			1	1			1							
tert-Butylbenzene	ug/l	2	-	-			2	2	3	0	-	-														2			2																		
tert-Butylbenzene	ug/l	0.1	-	-			0.1	0.1	1	0	-	-							0.1																													
tert-Butylbenzene	ug/l	2	-	-			2	2	68	0	-	-												2						2	2	2	2	2			2	2			2							
tert-Butylbenzene	ug/l	1	-	-			1	1	20	0	-	-																																				
Tetrachloroethene	ug/l	1.5	-	-	10	10	1.5	1.5	3	0	0	0														1.5			1.5																		
Tetrachloroethene	ug/l	0.1	-	-	10	10	0.1	0.1	1	0	0	0							0.1																													
Tetrachloroethene	ug/l	1	-	-	10	10	1	5	88	2	0	0												1						1	1	1	1	1			1	1			1							
Hardness Total	mg/l CaCO3	2	-	-			18	1183	135	135	-	-	179	1154	354	230	131	262						119						235	127	231	250	310	155	182	144	199	217	236	199	271	255	254	294	261	266
BTEX - Toluene	ug/l	1	-	-			1	77	72	5	-	-									1	1	1			1				1	1	1	1	1			1	1			1							
BTEX - Toluene	ug/l	1.4	-	-			1.4	1.4	3	0	-	-														1.4			1.4																		
BTEX - Toluene	ug/l	0.1	-	-			0.1	0.1	1	0	-	-							0.1																													
BTEX - Toluene	ug/l	1	-	-			1	37	68	7	-	-												1						1	1	1	1	1			1	2			2				1			
BTEX - Toluene	ug/l	4	-	-			4	7	137	1	-	-																																				
Toluene VOC	ug/l	1	-	-			1	7.9	14	1	-	-																																				
Nitrogen, Total Oxidised TOxN	mg/l	0.5	-	-			0.5	16.78	127	94	-	-	0.5		0.5	1.77	0.78	0.5						4.73						1.28	5.27	4.78	1.7	11.72	9.57	10.8	8.83	8.37	8.56	8.58	8.37	0.5	1.56	0.66	1.7	1.75	1.03
Trichloroethene	ug/l	2.5	10	10	10		2.5	2.5	3	0	0	0												2.5					2.5																		
Trichloroethene	ug/l	0.1	10	10	10		0.1	0.1	1	0	0	0							0.1																													
Trichloroethene	ug/l	1	10	10	10		1	56.6	88	7	1	1												1						1	1	1	1	1			1	1			1							
Vinyl Chloride	ug/l	1.2	-	-			1.2	1.2	3	0	-	-												1.2					1.2																		
Vinyl Chloride	ug/l	0.1	-	-			0.1	0.1	1	0	-	-							0.1																													
Vinyl Chloride	ug/l	1	-	-			1	1	88	0	-	-												1						1	1	1	1	1			1	1			1							
Zinc	ug/l	0.41	5000	13.9	9.8	0.41	145	141	136	12	12																																				
Zinc	ug/l	1	5000	13.9	9.8	1	194	73	44	1	1							3	2	4				2						2	6	4	4	7			7	2			2			1				
EPH (C5-C10)	ug/l	100	-	-			100	100	131	0	-	-																																				
GRO >C5-C10	ug/l	10	-	-			10	50	137	9	-	-																																				
EPH Range >C10 C40 (aq)	ug/l	46	-	-			46	668	31	10	-	-																																				
Total EPH (C5C40) (aq)	ug/l	100	10	-			100	3540	129	26	128	26																																				

Note: Groundwater data has been compiled from a mixture of AGS and Laboratory Cross-tabs reports. In order to aid assessment, less than symbols (<) have been removed from the data. Reference should be made to the original data contained within the factual reports (refer to the text of the Jacobs Risk Assessment and Remediation Strategy for further details).

Where determinands are reported multiple times these represent the different unit and limit of detection (LOD) combinations present within the original data.

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH310R 14/03747/3	BH310R 14/03882/6	BH312 14/03890/4	BH312 14/03890/7	BH312 14/05074/3	BH312 14/05074/4	BH312 14/06797/2	BH313 14/03890/5	BH313 14/03890/6	BH313 14/05074/6	BH313 14/05074/7	BH313 14/06797/3	BH314 14/03882/4	BH314 14/05038/2	BH314 14/06797/1	BH509 11/02988/3	BH509 14/03698/2	BH512 11/02988/1	BH512R 14/03669/1	BH512R 11/02988/2	BH512R 14/03669/2	BH516 11/02988/4	BH516 14/03716/3	BH516R 11/02988/5	BH516R 14/03716/4	BH518R 11/02988/6	BH518R 14/03698/4	BH520 11/02988/7	BH520 14/03747/1	BH521R 11/02988/2	BH523BR 11/02988/8	BH523BR 11/02988/9	BH524 11/02044/1	BH524 11/02988/1	BH524R 14/03669/3	BH524R 11/02988/11	BH524R 14/03669/4	BH525 11/02064/1	BH525 11/02988/12
1,1,1,2-Tetrachloroethane	ug/l	1.3	-	140		1.3	1.3	3																																							
1,1,1,2-Tetrachloroethane	ug/l	0.1	-	140		0.1	0.1	1																																							
1,1,1,2-Tetrachloroethane	ug/l	1	-	140		1	1	88	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							1			
1,1,1-Trichloroethane	ug/l	1.3	-	100	100	1.3	1.92	3																																						
1,1,1-Trichloroethane	ug/l	0.1	-	100	100	1.16	1.16	1																																						
1,1,1-Trichloroethane	ug/l	1	-	100	100	1	22	88	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							22			
1,1,2,2-Tetrachloroethane	ug/l	5.2	-	-		5.2	5.2	3																																						
1,1,2,2-Tetrachloroethane	ug/l	0.1	-	-		0.1	0.1	1																																						
1,1,2,2-Tetrachloroethane	ug/l	1	-	-		1	1	88	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							1			
1,1,2-Trichloroethane	ug/l	2.2	-	400	300	2.2	2.2	3																																						
1,1,2-Trichloroethane	ug/l	0.1	-	400	300	0.1	0.1	1																																						
1,1,2-Trichloroethane	ug/l	1	-	400	300	1	1	88	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							1			
1,1-Dichloropropene	ug/l	1.3	-	-		1.3	1.3	3																																						
1,1-Dichloropropene	ug/l	0.1	-	-		0.1	0.1	1																																						
1,1-Dichloropropene	ug/l	1	-	-		1	1	88	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							1			
1,1-Dichloroethane	ug/l	1.2	-	10	10	1.2	1.2	3																																						
1,1-Dichloroethane	ug/l	0.1	-	10	10	0.1	0.1	1																																						
1,1-Dichloroethane	ug/l	1	-	10	10	1	8	88	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							8			
1,1-Dichloroethene	ug/l	1.2	-	-		1.2	1.2	3																																						
1,1-Dichloroethene	ug/l	0.1	-	-		0.1	0.1	1																																						
1,1-Dichloroethene	ug/l	1	-	-		1	33	88	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							33			
1,2,3-Trichlorobenzene	ug/l	3.1	-	0.4	0.4	3.1	3.1	3																																						
1,2,3-Trichlorobenzene	ug/l	0.5	-	0.4	0.4	0.5	0.5	1																																						
1,2,3-Trichlorobenzene	ug/l	3	-	0.4	0.4	3	3	68	3	3		3				3	3			3	3	3	3		3		3		3		3		3		3							3			
1,2,3-Trichlorobenzene	ug/l	1	-	-		1	1	20																																						
1,2,3-Trichloropropane	ug/l	7.8	-	-		7.8	7.8	3																																						
1,2,3-Trichloropropane	ug/l	0.5	-	-		0.5	0.5	1																																						
1,2,3-Trichloropropane	ug/l	1	-	-		1	1	88	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							1			
1,2,3-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																																						
1,2,4-Trichlorobenzene	ug/l	1	-	-		1	1	3																																						
1,2,4-Trichlorobenzene	ug/l	2.3	-	-		2.3	2.3	3																																						
1,2,4-Trichlorobenzene	ug/l	0.5	-	-		0.5	1	2																																						
1,2,4-Trichlorobenzene	ug/l	1	-	-		1	1	27						1																																
1,2,4-Trichlorobenzene	ug/l	3	-	-		3	3	68	3	3		3		3	3	3	3			3	3	3	3		3		3		3		3		3		3							3			
1,2,4-Trimethylbenzene	ug/l	1.7	-	-		1.7	1.7	3																																						
1,2,4-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																																						
1,2,4-Trimethylbenzene	ug/l	1	-	-		1	1	88	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							1			
1,2-Dibromo-3-chloropropane	ug/l	9.8	-	-		9.8	9.8	3																																						
1,2-Dibromo-3-chloropropane	ug/l	0.1	-	-		0.1	0.1	1																																						
1,2-Dibromo-3-chloropropane	ug/l	2	-	-		2	2	68	2	2		2				2	2			2	2	2	2		2		2		2		2		2		2							2			
1,2-Dibromo-3-chloropropane	ug/l	1	-	-		1	1	20																																						
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	23																																						
1,2-Dichlorobenzene	ug/l	3.7	-	-		3.7	3.7	3																																						
1,2-Dichlorobenzene	ug/l	0.1	-	-		0.1	0.1	1																																						
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	8						1		1																													
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	68	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							1			
1,2-Dichloroethane	ug/l	3.3	-	-		3.3	3.3	3																																						
1,2-Dichloroethane	ug/l	0.1	-	-		0.1	0.1	1																																						
1,2-Dichloroethane	ug/l	2	-	-		2	2	68	2	2		2				2	2			2	2	2	2		2		2		2		2		2		2							2			
1,2-Dichloroethene	ug/l	1	-	-		1	1	20																																						
cis 1,2-Dichloroethene	ug/l	2.3	-	-		2.3	2.3	3																																						
cis 1,2-Dichloroethene	ug/l	0.1	-	-		0.1	0.1	1																																						
cis 1,2-Dichloroethene	ug/l	1	-	-		1	3.81	88	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							1			
1,2-Dibromoethane	ug/l	2.3	-	-		2.3	2.3	3																																						
1,2-Dibromoethane	ug/l	0.1	-	-		0.1	0.1	1																																						
1,2-Dibromoethane	ug/l	1	-	-		1	2	89	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							1			
1,2-Dichloropropane	ug/l	3	-	-		3	3	3																																						
1,2-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																																						
1,2-Dichloropropane	ug/l	1	-	-		1	2	88	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							1			
1,3,5- Trichlorobenzene	ug/l	10	-	-		10	10	3																																						
1,3,5- Trichlorobenzene	ug/l	0.5	-	-		0.5	0.5	1																																						
1,3,5-Trimethylbenzene	ug/l	1.8	-	-		1.8	1.8	3																																						
1,3,5-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																																						
1,3,5-Trimethylbenzene	ug/l	1	-	-		1	2	88	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							1			
1,3,5-Trichlorobenzene	ug/l	1	-	-		1	1	6																																						
1,3-Dichlorobenzene	ug/l	1	-	-		1	1	3																																						
1,3-Dichlorobenzene	ug/l	2.2	-	-		2.2	2.2	3																																						
1,3-Dichlorobenzene	ug/l	0.5	-	-		0.5	0.5	1																																						
1,3-Dichlorobenzene	ug/l	1	-	-		1	1	90	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							1			
cis 1,3-Dichloropropene	ug/l	1.9	-	-		1.9	1.9	3																																						
cis 1,3-Dichloropropene	ug/l	0.1	-	-		0.1	0.1	1																																						
cis 1,3-Dichloropropene	ug/l	1	-	-		1	1	88	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							1			
1,3-Dinitrobenzene	ug/l	1	-	-		1	1	1																																						
1,3-Dichloropropane	ug/l	2.2	-	-		2.2	2.2	3																																						
1,3-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																																						
1,3-Dichloropropane	ug/l	1	-	-		1	1	88	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							1			
1,4-Dichlorobenzene	ug/l	2.7	20	20		2.7	2.7	3																																						
1,4-Dichlorobenzene	ug/l	0.1	20	20		0.1	3	2																																						
1,4-Dichlorobenzene	ug/l	1	20	20		1	1	73	1	1		1				1	1	1	1	1	1	1	1		1		1		1		1		1		1							1			
1,4-Dinitrobenzene	ug/l	1	-	-		1	1	1																																						
2,2-Dichloropropane	ug/l	3.8	-	-		3.8	3.8	3																																						
2,2-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																																						
2,2-Dichloropropane	ug/l	1	-	-		1	1	88	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							1			
2,3,4,6- Tetrachlorophenol	ug/l	1	-	-		1	1	1																																						
2,4,5-Trichlorophenol	ug/l	1	-	-		1	1	77	1	1				1						1	1	1	1		1		1		1		1		1		1							1			
2,4,6-Trichlorophenol	ug/l	1	-	-		1	1	77	1	1				1						1	1	1	1		1		1		1		1		1		1							1			
2,4-Dichlorophenol	ug/l	1	4.2	0.42		1	1	77	1	1				1						1	1	1	1		1		1		1		1		1		1							1			
2,4-Dimethylphenol	ug/l	1	-	-		1	1	77	1	1				1						1	1	1	1		1		1		1		1		1		1							1			
2,4-Dinitrophenol	ug/l	1	-	-		1	1	67	1	1				1						1	1	1	1		1		1		1		1		1		1							1			
2,4-Dinitrotoluene	ug/l	1	-	-		1	1	77	1	1				1						1	1	1	1		1		1		1		1		1		1							1			
2,6-Dinitrotoluene	ug/l	1	-	-		1	1	77	1	1				1						1	1	1	1		1		1		1		1		1		1							1			
2-Chloronaphthalene	ug/l	1	-	-		1	1	77	1	1				1						1	1	1	1		1		1		1		1		1		1							1			
2-Chlorophenol	ug/l	1	-	-		1	1	77	1	1				1						1	1	1	1		1		1		1		1		1		1							1			
2-Chlorotoluene	ug/l	1.9	-	-		1.9	1.9	3																																						
2-Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																																						
2-Chlorotoluene	ug/l	1	-	-		1	2	88	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							1			
2-Methylnaphthalene	ug/l	1	-	-		1	1	77	1	1				1						1	1	1	1		1		1		1		1		1		1							1			
2-Methylphenol	ug/l	1	-	-		1	1	76	1	1				1						1	1	1	1		1		1		1		1		1		1							1			
2- Nitroaniline	ug/l	1	-	-		1	1	10																																						
2-Nitrophenol	ug/l	1	-	-		1	1	77	1	1				1						1	1	1	1		1		1		1		1		1		1							1			
3,4-Methylphenol	ug/l	1	-	-		1	1	1																																						
3- Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																																						
3- Nitroaniline	ug/l	1	-	-		1	1	9																																						
3,4-Nitroaniline	ug/l	2	-	-		2	2	1																																						
4,6-Dinitro-2-methylphenol	ug/l	1	-	-		1	1	67	1	1				1						1	1	1	1		1		1		1		1		1		1							1			
4-Bromophenyl phenyl ether	ug/l	1	-	-		1	1	77	1	1				1						1	1	1	1		1		1		1		1		1		1							1			
4-Chloro-3-methylphenol	ug/l	1	-	-		1	1	73	1	1				1						1	1	1	1		1		1		1		1		1		1							1			
4 - Chloro - 3 - Methlphenol	ug/l	1	-	-		1	1	4																																						
4- Chloroaniline	ug/l	1	-	-		1	1	10																																						
4- Chlorophenyl phenyl ether	ug/l	1	-	-		1	1	10																																						
4-Chlorotoluene	ug/l	1.9	-	-		1.9	1.9	3																																						
4-Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																																						
4-Chlorotoluene	ug/l	1	-	-		1	2	88	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							1			
4-Isopropyltoluene	ug/l	2.6	-	-		2.6	2.6	3																																						
4-Isopropyltoluene	ug/l	0.1	-	-		0.1	0.1	1																																						
4-Isopropyltoluene	ug/l	1	-	-		1	1	82	1	1		1				1	1			1	1	1	1		1		1		1		1		1		1							1			
4-Methylphenol	ug/l	1	-	-		1	1	76	1	1				1	1	1				1	1	1	1		1		1		1		1		1		1							1			
4- Nitroaniline	ug/l	1	-	-		1	1	9																																						
4-Nitrophenol	ug/l	1	-	-		1	1	76	1	1				1		1				1	1	1	1		1		1		1		1		1		1							1			
Acenaphthylene	ug/l	0.01	-	-		0.01	0.01	70	0.01	0.01						0.01		0.01	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	ug/l	0.011	-	-		0.011	0.011	6																																						

Key:

0.1 Result <LOD

0.1 Positive Detection >EQS Freshwater

0.1 Positive Detection >DWS (where EQS Freshwater not available)

| Determinand | UNITS | Lab Limit of Detection (LOD) | DWS | EQS Freshwater | EQS Coastal Water | Min Value | Max Value | No. Results | BH310R 14/03747/3 | DOnGl | BH310R 14/03882/6 | DOnGl | BH312 14/03890/4 | DOnGl | BH312 14/03890/7 | DOnGl | BH312 14/05074/3 | DOnGl | BH312 14/05074/4 | DOnGl | BH312 14/06797/2 | DOnGl | BH313 14/03890/5 | DOnGl | BH313 14/03890/6 | DOnGl | BH313 14/05074/6 | DOnGl | BH313 14/05074/7 | DOnGl | BH313 14/06797/3 | DOnGl | BH314 14/03882/4 | DOnGl | BH314 14/05038/2 | DOnGl | BH314 14/06797/1 | DOnGl | BH509 11/02988/3 | DOnGl | BH509 14/03698/2 | DOnGl | BH512 11/02988/1 | DOnGl | BH512R 14/03660/1 | DOnGl | BH512R 11/02988/2 | DOnGl | BH512R 14/03669/2 | DOnGl | BH516 11/02988/4 | DOnGl | BH516 14/03716/1 | DOnGl | BH516R 11/02988/5 | DOnGl | BH516R 14/03716/4 | DOnGl | BH518R 11/02988/6 | DOnGl | BH518R 14/03698/4 | DOnGl | BH520 11/02988/7 | DOnGl | BH520 14/03747/1 | DOnGl | BH521R 11/02988/2 | DOnGl | BH523BR 11/02988/8 | DOnGl | BH523BR 11/02988/9 | DOnGl | BH524 11/02044/1 | DOnGl | BH524 11/02988/10 | DOnGl | BH524 14/03669/3 | DOnGl | BH524R 11/02988/11 | DOnGl | BH524R 14/03669/4 | DOnGl | BH525 11/02064/1 | DOnGl | BH525 11/02988/12 | DOnGl |
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Key:

0.1 Result <LOD

0.1 Positive Detection >EQS Freshwater

0.1 Positive Detection >DWS (where EQS Freshwater not available)

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH310R 14/03747/3	BH310R 14/03882/6	BH312 14/03890/4	BH312 14/03890/7	BH312 14/05074/3	BH312 14/05074/4	BH312 14/06797/2	BH313 14/03890/5	BH313 14/03890/6	BH313 14/05074/6	BH313 14/05074/7	BH313 14/06797/3	BH314 14/03882/4	BH314 14/05038/2	BH314 14/06797/1	BH509 11/02988/3	BH509 14/03698/2	BH512 11/02988/1	BH512 14/03669/1	BH512R 11/02988/2	BH512R 14/03669/2	BH516 11/02988/4	BH516 14/03716/3	BH516R 11/02988/5	BH516R 14/03716/4	BH518R 11/02988/6	BH518R 14/03698/4	BH520 11/02988/7	BH520 14/03747/1	BH521R 11/02988/2	BH523BR 11/02988/8	BH523BR 11/02988/9	BH524 11/02044/1	BH524 11/02988/1	BH524R 14/03669/3	BH524R 11/02988/11	BH525 14/03669/4	BH525 11/02064/1	11/02988/12
Electrical conductivity	uS/cm	10	2500			15.6	18600	260	665	576			518			482		508		420	446	407	934	749	1510	723	500	510	604	552	609	589	525	495	678	625	579	551	369	884	706	839	731	624	366	463
Chromium	ug/l	1	50	4.7		0.492	103	216	*1*	*1*	*1*			*1*	1.1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
Chromium (tot.unfilt)	ug/l	3	50	4.7		3	3	6																																							
Chromium, Hexavalent	mg/l	0.03				0.03	0.03	6																																								
Chrysene	ug/l	1				1	1	77	*1*	*1*				*1*	*1*	*1*	*1*	*1*		*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
Chrysene	ug/l	0.01				0.01	0.11	70	*0.01*	*0.01*					*0.01*		*0.01*	*0.01*		*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	ug/l	0.013				0.013	0.013	6																																							
Carbon Tetrachloride	ug/l	1.4		12	12	1.4	1.4	3																																							
Carbon Tetrachloride	ug/l	0.1		12	12	0.1	0.1	1																																							
Carbon Tetrachloride	ug/l	1		12	12	1	93	88	*1*	*1*			*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
Copper	ug/l	0.85		1		0.85	134	141																																							
Copper	ug/l	1		1		1	239	73	*1*	*1*	1.1			*1*	1.1	*1*	*1*	1.1		*1*	1.1	1.1		*1*	*1*	*1*	*1*	*1*	*1*	1.1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
Cyanide, Free	mg/l	0.05				0.05	0.05	6																																							
Cyanide, Total	mg/l	0.05				0.05	0.05	6																																							
Dibenzofuran	ug/l	1	2000		3.76	1	1	77	*1*	*1*					*1*	*1*	*1*			*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
Dichlorodifluoromethane	ug/l	7				7	7	3																																							
Dichlorodifluoromethane	ug/l	1				1	1	82	*1*	*1*			*1*		*1*	*1*	*1*			*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
Diethyl phthalate	ug/l	1				1	1	77	*1*	*1*					*1*	*1*	*1*			*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
Dibenzo(ah)anthracene	ug/l	1.5				2	2	1																																							
Dibenzo(ah)anthracene	ug/l	1				1	1	76	*1*	*1*				*1*	*1*	*1*	*1*			*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
Dibenzo(ah)anthracene	ug/l	0.01				0.01	0.01	70	*0.01*	*0.01*					*0.01*		*0.01*	*0.01*		*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	ug/l	0.016				0.016	0.016	6																																							
Dibromochloromethane	ug/l	1.7				1.7	1.7	3																																							
Dibromochloromethane	ug/l	0.1				0.1	0.1	1																																							
Dibromochloromethane	ug/l	3				1	9	88	*3*	*3*			*3*	*3*		*3*	*3*			*3*	*3*	*3*	*3*		*3*		*3*		*3*		*3*		*3*						*3*		*3*						
Dibromochloromethane	ug/l	1				1	1	20																																							
Dibromomethane	ug/l	2.7				2.7	2.7	3																																							
Dibromomethane	ug/l	0.1				0.1	0.1	1																																							
Dibromomethane	ug/l	1				1	1	88	*1*	*1*			*1*	*1*		*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*						*1*		*1*						
Dichloromethane VOC	ug/l	3.7		20	20	3.7	3.7	3																																							
Dichloromethane VOC	ug/l	0.5		20	20	0.5	0.5	1																																							
Dichloromethane VOC	ug/l	5		20	20	5	20	19											5																												
Dichloromethane VOC	ug/l	20		20	20	20	20	49	*20*	*20*			*20*			*20*	*20*			*20*	*20*	*20*		*20*		*20*		*20*		*20*		*20*						*20*		*20*						
Dimethyl phthalate	ug/l	1				1	9	77	*1*	*1*				*1*	*1*	*1*		*1*		*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*						*1*		*1*						
Di-isopropylamine	ug/l	1				1	1	20																																							
Total Dissolved Solids	mg/l	10				103	2540	223	295	255			384			319		341		204	496	234		567		501		487		295		580		272		437						627		372			
Total Dissolved Solids	mg/l	20				210	5510	34																	580		1080		299		210		371		317		383		422	323	215	626	447		434		268	296
Total Suspended Solids	mg/l	1				2	29500	131																																							
n-Dibutylphthalate	ug/l	1				1	1	77	*1*	*1*					*1*	*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*			
n-Dioctylphthalate	ug/l	2				2	2	1																																							
n-Dioctylphthalate	ug/l	5				5	448	76	*5*	*5*					*5*	*5*	*5*			*5*	*5*	*5*	*5*		*5*		9		*5*		15		*5*		*5*						18				5		
Ethyl tert-butyl ether	ug/l	0.1				0.1	0.1	1																																							
BTEX - Ethyl Benzene	ug/l	2.5		20	20	2.5	2.5	3																																							
BTEX - Ethyl Benzene	ug/l	0.1		20	20	0.1	0.1	1																																							
BTEX - Ethyl Benzene	ug/l	1		20	20	1	11	72	*1*	*1*			*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
BTEX - Ethyl Benzene	ug/l	5		20	20	1	5	137																																							
Ethyl Benzene VOC	ug/l	1				1	1	20																																							
Iron (dissolved)	ug/l	10	200	1000	1000	10	8685	59							*10*			9500						21		68		19		17	*10*		*10*		13		*10*	*10*	*10*	*10*		*10*		*10*		*10*
Iron (dissolved)	mg/l	0.019	0.2	1	1	0.019	54.2	135																																							
Ferrous iron Felt	mg/l	0.1	0.2	1	1	0.1	2.2	129	*0.1*	*0.1*					*0.1*		0.8	2.2			*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	0.4	*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*
Ferric iron Felt	mg/l	0.1	0.2	1	1	0.1	6.67	129	*0.1*	*0.1*					*0.1*		1.39	6.67			1.69	1.19	1.49	*0.1*	*0.1*	*0.1*	2.78	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	0.47	*0.1*	*0.1*	*0.1*	1.19	*0.1*	1.59	*0.1*	*0.1*	1.58	*0.1*		
Fluorene	ug/l	0.01				0.01	0.14	70	*0.01*	*0.01*					*0.01*		*0.01*	*0.01*		*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	ug/l	1				1	1	77	*1*	*1*			*1*	*1*	*1*	*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*			
Fluorene	ug/l	0.014				0.014	0.014	6																																							
Fluoranthene	ug/l	1		0.0063	0.0063	1	1	77	*1*	*1*					*1*	*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*			
Fluoranthene	ug/l	0.01		0.0063	0.0063	0.01	0.44	70	*0.01*	*0.01*					*0.01*		*0.01*	*0.01*		*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	ug/l	0.017		0.0063	0.0063	0.017	0.017	6																																							
Hexachlorocyclopentadiene	ug/l	1.5				2	2	1																																							
Hexachlorocyclopentadiene	ug/l	1				1	1	76	*1*	*1*						*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*						*1*		*1*			
Hexachloroethane	ug/l	1				1	1	9																																							
Hexachloroethane	ug/l	2				0.5	2	2																																							
Hexachloroethane	ug/l	1				1	1	67	*1*	*1*					*1*	*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*			
Hexachlorobenzene	ug/l	1				1	1	77	*1*	*1*					*1*	*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*			
Hexachlorobutadiene	ug/l	2.5				2.5	2.5	3																																								
Hexachlorobutadiene	ug/l	1.5				0.5	2	2																																							
Hexachlorobutadiene	ug/l	1				1	1	92	*1*	*1*			*1*	*1*	*1*	*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*			
Mercury	ug/l	0.01	1	0.07	0.07	0.01	0.0362	140																																							
Mercury	ug/l	0.05	1	0.07	0.07	0.05	1.45	45	*0.05*	*0.05*	*0.05*			*0.05*	*0.05*		*0.05*	*0.05*		*0.05*	*0.05*	*0.05*	*0.05*		*0.05*		0.43		0.07		0.13		0.14		*0.05*					*0.05*		*0.05*			
Mercury	ug/l	0.1	1	0.07	0.07	0.1	39.1	28																																							
Indeno(123-cd)pyrene	ug/l	1.5				2	2	1																																							
Indeno(123-cd)pyrene	ug/l	1				1	1	76	*1*	*1*					*1*	*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*			
Indeno(123-cd)pyrene	ug/l	0.01				0.01	0.01	70	*0.01*	*0.01*					*0.01*		*0.01*	*0.01*		*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	ug/l	0.014				0.014	0.014	6																																							
Isopropylbenzene	ug/l	1.4				1.4	1.4	3																																							
Isopropylbenzene	ug/l	0.1				0.1	0.1	1																																							
Isopropylbenzene	ug/l	1				1	3	88	*1*	*1*			*1*	*1*		*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*			
Isophorone	ug/l	1				1	1	9																																							
Isophorone	ug/l	1				1	1	1																																							
Isophorone	ug/l	1				1	1	67	*1*	*1*			*1*	*1*		*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*			
Potassium	mg/l	0.5				0.5	110	95	1.3	1.6					3.2		3.5	2.7			6.4	6.8	6.2		5.7		3.2		1.5		1.7		1.5		1.4		1.6					66.8		1.3			
Potassium	mg/l	1				1	843	175																4.1		7.3		2.9		1.7		1.8		3.1		2.2		2.3	4.6	1.5	68.6	13		13		4.6	5.3
Magnesium (dissolved)	mg/l	0.036				0.036	54.8	141																																							
Magnesium (dissolved)	mg/l	1				1	88.6	139	17	9					8		10	10			7	8	8	17.9	16	38.6	19	11.7	10	13	12	14	15	7.8	8	14.8	15	12.6	8.5	11.4	24	21.5	24	20.2	14	10.7	13.9
Manganese	ug/l	1	50	123		0.096	9400	291	228	2					1		1083	2820			1079	1490	1230	799	285	2730	2160	1430	1	369	1	87	116	14	4	787	849	1	201	31	1170	1170	1170	188	18	158	117
Molybdenum	ug/l	0.24				0.24	33.9	135																																							
Molybdenum	ug/l	0.5				0.5	59.2	73	*0.5*	*0.5*	2.1			*0.5*	3.4		0.5	1.5		0.6	0.8	1	0.7		2		0.5		*0.5*		0.5		0.5		3.6					0.6		0.5			
MTBE	ug/l	1.6				1.6	1.6	3																																							
MTBE	ug/l	0.1				0.1	0.1	1																																							
MTBE	ug/l	1				1	1	78	*1*	*1*				*1*	*1*		*1*	*1*			*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*			
MTBE	ug/l	3				3	3	131																																							
BTEX - m & p Xylene	ug/l	2.5				2.5	2.5	3																																								
BTEX - m & p Xylene	ug/l	0.2				0.2	0.2	1																																								
BTEX - m & p Xylene	ug/l	1				1	37	72	*1*	4				*1*	*1*		*1*	*1*			*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*			
BTEX - m & p Xylene	ug/l	8				1	8	137																																							
m & p Xylene VOC	ug/l	1				1	1	20																																							
Sodium	mg/l	0.5				1.61	825	236	44.4	66.7					35.5		25.5	26			31.4	36.2	34.6		58.9		39.5		31.5		28		36.6		31.8		39.9					21.5		46			
Sodium	mg/l	1				24.3	1250	34																77		141		33.8		36		31.2		37.3		44.6		40.8	77.6	47.5	40.3	59.8		56.7		30.7	33
Naphthalene1 -methyl-.	ug/l	1				1	1	1																																							
Naphthalene	ug/l	3.5		2.4	2.4	3.5	3.5	3																																							
Naphthalene	ug/l	0.5		2.4	2.4	0.5	1	2																																							
Naphthalene	ug/l	1		2.4	2.4	1	1	76	*1*	*1*				*1*	*1*	*1*	*1*	*1*		*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*			
Naphthalene	ug/l	0.01		2.4	2.4	0.01	0.68	70	*0.01*	0.23					*0.01*		0.03	0.02		*0.01*	0.04	*0.01*	*0.01*		*0.01*		*0.01*		*0.01*		*0.01*		*0.01*		*0.01*					*0.01*		*0.01*			
Naphthalene	ug/l	0.1		2.4	2.4	0.1	0.1	6																																							
n-Butylbenzene	ug/l	2				2	2	3																																							
n-Butylbenzene	ug/l	0.1				0.1	0.1	1																																							
n-Butylbenzene	ug/l	1				1	1	88	*1*	*1*			*1*	*1*		*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*			
Nickel	ug/l	0.15	20	4	8.6	0.15	48.9	141																																							
Nickel	ug/l	1	20	4	8.6	1	56	73	*1*	*1*				*1*	*1*		*1*	2			*1*	2	3		*1*		1.4		*1*		*1*		*1*		*1*					*1*		*1*			
Nitrite as N	mg/l	0.02	11.3			0.015	2.840545361	132																																							
Nitrite as N	mg/l	0.03	11.3			0.03	0.71	94	*0.03*	*0.03*			*0.03*			*0.03*		*0.03*		*0.03*	*0.03*	*0.03*		*0.03*		0.06		*0.03*		*0.03*		*0.03*		*0.03*					*0.03*		*0.03*			
Nitrite as N	mg/l	0.1	11.3			0.1	0.3	34																	*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*
Nitrate as N	mg/l	0.07	11.3			0.06	40.4361	138																																							
Nitrate as N	mg/l	0.11	11.3			0.11	16.73	94	2.96	1.76			2.82			1.26		0.91		0.68	*0.11*	*0.11*		*0.11*		1.23		4.08		0.47		1.08		1.8		0.32					0.48		4.14			
Nitrate as N	mg/l	0.5	11.3			0.6	47.8	34																	0.6		4.6		4.9		2.1		2.5		6.8		1		23.3	22.8	27.5	9.9	26.5		19.7		28.3	23.6
Nitrobenzene	ug/l	1				1	1	77	*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*			
Nitrogen (kjeldahl)	mg/l	0.1				0.2	8.4	93	0.7	0.6			3.3			1.2		1.8		1.1	3.8	2.6		0.3		1.7		0.6		0.5		0.5		0.2		0.4					3.1		0.4			
n-Nitroso-n-dipropylamine	ug/l	1				1	1	71	*1*	*1*			*1*	*1*	*1*		*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*			
n-Propylbenzene	ug/l	0.1				0.1	0.1	1																																							
n-Propylbenzene	ug/l	1				1	2	74	*1*	*1*				*1*	*1*		*1*	*1*			*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*			
Nitrogen, Total	mg/l	0.5				0.5	17.6	93	3.7	2.4			6.1			1.3		2.7		1.8	3.8	2.6		0.5		2.9		4.6		0.5		1.6		1.9		0.5					3.1		4.5			
BTEX - o Xylene	ug/l	1.7		30	30	1.7	1.7	3																																							
BTEX - o Xylene	ug/l	0.1		30	30	0.1	0.1	1																																							
BTEX - o Xylene	ug/l	1		30	30	1	14	72	*1*	*1*			*1*	*1*		*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*			
BTEX - o Xylene	ug/l	3		30	30	1	3	137																																							
oXylene VOC	ug/l	1				1	1	20																																							
Total PAH	ug/l	0.01				0.01	1.57	70	*0.01*	0.23					*0.01*		*0.01*	*0.01*		*0.01*	*0.04*	*0.01*	*0.01*		*0.01*		*0.01*		*0.01*		*0.01*		*0.01*		*0.01*					*0.01*		*0.01*			
Lead	ug/l	0.02	10	1.2	1.3	0.02	88.9	141																																							

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH310R 14/03747/3	BH310R 14/03882/6	BH312 14/03890/4	BH312 14/03890/7	BH312 14/05074/3	BH312 14/05074/4	BH312 14/06797/2	BH313 14/03890/5	BH313 14/03890/6	BH313 14/05074/6	BH313 14/05074/7	BH313 14/06797/3	BH314 14/03882/4	BH314 14/05038/2	BH314 14/06797/1	BH509 11/02988/3	BH509 14/03698/2	BH512 11/02988/1	BH512 14/03669/1	BH512R 11/02988/2	BH512R 14/03669/2	BH516 11/02988/4	BH516 14/03716/3	BH516R 11/02988/5	BH516R 14/03716/4	BH518R 11/02988/6	BH518R 14/03698/4	BH520 11/02988/7	BH520 14/03747/1	BH521R 11/02988/2	BH521R 11/02988/8	BH523BR 11/02988/9	BH523BR 11/02044/1	BH524 11/02988/10	BH524 14/03669/3	BH524R 11/02988/11	BH524R 14/03669/4	BH525 11/02064/1	BH525 11/02988/12
									DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	IOnGl	DOnGl	IOnGl	IOnGl	DOnGl	IOnGl	DOnGl	IOnGl	DOnGl	IOnGl	DOnGl	IOnGl	DOnGl	IOnGl	IOnGl	IOnGl	IOnGl	IOnGl	DOnGl	IOnGl	DOnGl	IOnGl	IOnGl
Lead	ug/l	1	10	1.2	1.3	1	43	73	*1*	*1*	*1*			*1*	*1*		*1*	*1*		*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*		
Paclobutrazol	ug/l	2.6	-	-		2.6	2.6	3																																						
Perylene	ug/l	1	-	-		1	1	73	*1*	*1*				*1*	*1*	*1*		*1*		*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*		
Phenol SVOC	ug/l	3	-	-		3	3	1																																						
Phenol SVOC	ug/l	1	-	-		1	4	76	*1*	*1*				*1*	*1*	*1*		*1*		*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*		
Phosphorus, (total)	ug/l	100	-	-		100	100	34																																						
Phosphorus, (total)	ug/l	100	-	-		100	2030	96	*100*	*100*			*100*				*100*		*100*		*100*	*100*	*100*		*100*		*100*		*100*		*100*		*100*		*100*					*100*		*100*		
pH	pH	0.01	5.5 - 9.5	6 - 9		5.98	12.59	232	8.14	6.97			7.9				6.97		6.94		6.8	7.79	6.6		7.23		7.01		7.66		6.74		7.35		7.36		8.05					7.52		7.77		
pH	pH	0.1	5.5 - 9.5	6 - 9		6.6	13.1	38																7.5		7.3		7.1		7.5		7.2		7.9		7.7		7.4	8.1	7.4	7.4	7		7.3		6.8	7
Pentachlorophenol	ug/l	1	-		0.4	0.4	1	1	77	*1*	*1*				*1*	*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*		
Phenanthrene	ug/l	0.01	-	-			0.01	0.35	70	*0.01*	*0.01*					*0.01*		*0.01*	*0.01*		*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	ug/l	1	-	-			1	1	77	*1*	*1*					*1*	*1*	*1*		*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*		
Phenanthrene	ug/l	0.022	-	-			0.022	0.022	6																																						
Pyrene	ug/l	0.01	-	-			0.01	0.41	70	*0.01*	*0.01*					*0.01*		*0.01*	*0.01*		*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	ug/l	1	-	-			1	1	77	*1*	*1*					*1*		*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*		
Pyrene	ug/l	0.015	-	-			0.015	0.015	6																																						
Antimony (dissolved)	ug/l	0.16	-	5	-		0.16	6.63	135																																						
Antimony (dissolved)	ug/l	1	-	5	-		1	4	49	*1*	*1*	*1*				*1*	*1*			*1*	*1*	*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*		
Selenium	ug/l	0.39	10	-	-		0.39	9.72	141																																						
Selenium	ug/l	1	10	-	-		1	4	73	*1*	*1*	*1*				*1*	*1*			*1*	*1*	*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*		
sec-Butylbenzene	ug/l	1.7	-	-			1.7	1.7	3																																						
sec-Butylbenzene	ug/l	0.1	-	-			0.1	0.1	1																																						
sec-Butylbenzene	ug/l	1	-	-			1	1	88	*1*	*1*			*1*		*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*		
Styrene	ug/l	1.2	-		50	50	1.2	1.52	3																																						
Styrene	ug/l	0.5	-		50	50	0.5	0.5	1																																						
Styrene	ug/l	1	-		50	50	1	1	88	*1*	*1*			*1*		*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*		
Sulphate	mg/l	1	250	-			1	384	132	44	36			42			11		15		4	9	13	105	95	384	43	48	30	33	40	33	27	24	22	36	35	26	56	30	102	63	88	61	48	26	30
Sulphate	mg/l	2	250	-			2	226	138																																					
Sulphide	mg/l	0.01	-	-			0.01	0.01	6																																					
Sulphur, Free	mg/l	0.05	-	-			0.05	0.15	6																																					
trans 1,2-Dichloroethene	ug/l	1.9	-	-			1.9	1.9	3																																						
trans 1,2-Dichloroethene	ug/l	0.1	-	-			0.1	0.1	1																																						
trans 1,2-Dichloroethene	ug/l	1	-	-			1	1	88	*1*	*1*			*1*		*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*		
trans 1,3-Dichloropropene	ug/l	3.5	-	-			3.5	3.5	3																																						
trans 1,3-Dichloropropene	ug/l	0.5	-	-			0.5	0.5	1																																						
trans 1,3-Dichloropropene	ug/l	1	-	-			1	1	88	*1*	*1*			*1*		*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*		
tert-Amyl methyl ether	ug/l	1	-	-			1	1	9																																						
tert-Amyl methyl ether	ug/l	0.1	-	-			0.1	0.1	1																																						
Trichlorofluoromethane	ug/l	1.3	-	-			1.3	1.3	3																																						
Trichlorofluoromethane	ug/l	0.1	-	-			0.1	0.1	1																																						
Trichlorofluoromethane	ug/l	1	-	-			1	1	88	*1*	*1*			*1*		*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*		
tert-Butylbenzene	ug/l	2	-	-			2	2	3																																						
tert-Butylbenzene	ug/l	0.1	-	-			0.1	0.1	1																																						
tert-Butylbenzene	ug/l	2	-	-			2	2	68	*2*	*2*			*2*		*2*	*2*			*2*	*2*	*2*	*2*		*2*		*2*		*2*		*2*		*2*		*2*		*2*					*2*		*2*		
tert-Butylbenzene	ug/l	1	-	-			1	1	20																																						
Tetrachloroethene	ug/l	1.5	-		10	10	1.5	1.5	3																																						
Tetrachloroethene	ug/l	0.1	-		10	10	0.1	0.1	1																																						
Tetrachloroethene	ug/l	1	-		10	10	1	5	88	*1*	*1*			*1*		*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*		
Hardness Total	mg/l CaCO3	2	-	-			18	1183	135	251	81			224			205	233			160	187	172	329	285	513	292	197	207	246	239	261	250	196	194	262	243	208	98	74	296	206	318	240	215	137	170
BTEX - Toluene	ug/l	1	-	-			1	77	72	*1*	*1*			*1*		*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*		
BTEX - Toluene	ug/l	1.4	-	-			1.4	1.4	3																																						
BTEX - Toluene	ug/l	0.1	-	-			0.1	0.1	1																																						
BTEX - Toluene	ug/l	1	-	-			1	37	68	*1*	*1*			*1*		*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*		
BTEX - Toluene	ug/l	4	-	-			4	7	137																																						
Toluene VOC	ug/l	1	-	-			1	7.9	14																																						
Nitrogen, Total Oxidised TOxN	mg/l	0.5	-	-			0.5	16.78	127	2.97	1.76			2.82			1.27		0.92		0.69	0.5	0.5	0.5	0.5	1.05	1.22	1.12	4.02	0.5	0.5	0.57	1.09	1.54	1.74	0.5	0.5	5.27	5.15	6.21	2.24	5.99	0.5	4.46	4.1	6.39	5.34
Trichloroethene	ug/l	2.5	10	10	10	2.5	2.5	3																																						
Trichloroethene	ug/l	0.1	10	10	10	0.1	0.1	1																																						
Trichloroethene	ug/l	1	10	10	10	1	56.6	88	*1*	*1*		100		20	10		*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*		
Vinyl Chloride	ug/l	1.2	-	-			1.2	1.2	3																																						
Vinyl Chloride	ug/l	0.1	-	-			0.1	0.1	1																																						
Vinyl Chloride	ug/l	1	-	-			1	1	88	*1*	*1*			*1*		*1*	*1*			*1*	*1*	*1*	*1*		*1*		*1*		*1*		*1*		*1*		*1*		*1*					*1*		*1*		
Zinc	ug/l	0.41	5000	13.9	9.8	0.41	145	141																																						
Zinc	ug/l	1	5000	13.9	9.8	1	194	73	2	*1*	2			*1*	4		5	10		5	4	4	7		4		2		*1*		2		*1*		2		*1*					*1*		*1*		
EPH (C6-C10)	ug/l	100	-	-			100	100	131																																						
GRO >C5-C10	ug/l	10	-	-			10	50	137																																						
EPH Range >C10 C40 (aq)	ug/l	46	-	-			46	668	31																																						
Total EPH (C6C40) (aq)	ug/l	100	10	-			100	3540	129																																						

Note: Groundwater data has been compiled from a mixture of AGS and Laboratory Cross-tabs reports. In order to aid assessment, less than symbols (<) have been removed from the data. Reference should be made to the original data contained within the factual reports (refer to the text of the Jacobs Risk Assessment and Remediation Strategy for further details).

Where determinands are reported multiple times these represent the different unit and limit of detection (LOD) combinations present within the original data.

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

| Determinand | UNITS | Lab Limit of Detection (LOD) | DWS | EQS Freshwater | EQS Coastal Water | Min Value | Max Value | No. Results | BH525 14/03669/5 | DOnGl | BH525 14/03669/6 | DOnGl | BH525R 11/02988/1 | IOnGl | BH525R 14/03669/6 | DOnGl | BH526 11/02988/1 | IOnGl | BH526 14/03716/1 | DOnGl | BH526R 11/02988/1 | IOnGl | BH526R 14/03882/1 | DOnGl | BH526R 14/03882/2 | DOnGl | BH526R 11/02226/7 | IOnGl | BH529 14/03747/2 | DOnGl | BH529 11/02988/1 | IOnGl | BH535 14/03698/1 | DOnGl | BH535 11/02988/1 | IOnGl | BH535R 14/03698/3 | DOnGl | BH536R 11/02988/0 | IOnGl | BH536R 14/03816/1 | DOnGl | BH704R 14/03452/1 | DOnGl | BH705 14/03706/1 | DOnGl | BH707R 14/03452/3 | DOnGl | BH712R 15/00131/1 | DOnGl | BH713R 14/05074/1 | DOnGl | BH717 15/00305/3 | DOnGl | BH718 14/02966/5 | DOnGl | BH719A 14/05074/8 | DOnGl | BH724R 14/02966/2 | DOnGl | BH725R 14/03706/2 | DOnGl | BH726 14/03706/3 | DOnGl | BH726 14/07034/1 | DOnGl | BH727R 15/00208/1 | DOnGl | BH728R 14/02966/4 | DOnGl | BH734 14/02966/1 | DOnGl | BH741R-1-D 14/04067/8 | DOnGl | BH745R 14/07067/1 | DOnGl | BH748R 14/03452/4 | DOnGl | BH758R 15/00520/1 | DOnGl | BH759 14/02966/3 | DOnGl | BH762 14/03452/2 | DOnGl |
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Key:

0.1 Result <LOD

0.1 Positive Detection >EQS Freshwater

0.1 Positive Detection >DWS (where EQS Freshwater not available)

| Determinand | UNITS | Lab Limit of Detection (LOD) | DWS | EQS Freshwater | EQS Coastal Water | Min Value | Max Value | No. Results | BH525 14/03669/5 | DonGl | IGl | BH525R 11/02988/11 | DonGl | IGl | BH526 11/02988/14 | DonGl | IGl | BH526R 14/03716/1 | DonGl | IGl | BH526R 11/02988/15 | DonGl | IGl | BH526R 14/03882/2 | DonGl | IGl | BH529 11/02226/7 | DonGl | IGl | BH529 14/03747/2 | DonGl | IGl | BH535 11/02988/13 | DonGl | IGl | BH535 14/03698/1 | DonGl | IGl | BH535R 11/02988/16 | DonGl | IGl | BH535R 14/03698/3 | DonGl | IGl | BH536R 11/02988/18 | DonGl | IGl | BH536R 14/03816/1 | DonGl | IGl | BH704R 14/03452/1 | DonGl | IGl | BH705 14/03706/1 | DonGl | IGl | BH707R 14/03452/3 | DonGl | IGl | BH712R 15/00131/1 | DonGl | IGl | BH713R 14/05074/1 | DonGl | IGl | BH717 15/00305/3 | DonGl | IGl | BH718 14/02966/5 | DonGl | IGl | BH719A 14/05074/8 | DonGl | IGl | BH724R 14/02966/2 | DonGl | IGl | BH725R 14/03706/2 | DonGl | IGl | BH726 14/03706/3 | DonGl | IGl | BH726 14/00734/1 | DonGl | IGl | BH727R 15/00208/1 | DonGl | IGl | BH728R 14/02966/4 | DonGl | IGl | BH734 14/02966/1 | DonGl | IGl | BH741R-1-D 14/04067/8 | DonGl | IGl | BH745R 14/07067/1 | DonGl | IGl | BH748R 14/03452/4 | DonGl | IGl | BH758R 15/00520/1 | DonGl | IGl | BH759 14/02966/3 | DonGl | IGl | BH762 14/03452/2 | DonGl | IGl |
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Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH525	BH525	BH525R	BH525R	BH526	BH526	BH526R	BH526R	BH526R	BH526R	BH529	BH529	BH535	BH535	BH535R	BH535R	BH536R	BH536R	BH704R	BH705	BH707R	BH712R	BH713R	BH717	BH718	BH719A	BH724R	BH725R	BH726	BH726	BH727R	BH728R	BH734	BH741R-1-D	BH745R	BH748R	BH758R	BH759	BH762
									14/03669/5	14/03669/6	11/02988/1	14/03669/6	11/02988/1	14/03716/1	11/02988/1	11/02988/1	14/03882/2	14/03882/3	11/02226/7	14/03747/2	11/02988/1	14/03698/1	11/02988/1	14/03698/3	11/02988/1	14/03816/1	14/03452/1	14/03706/1	14/03452/3	15/00131/1	14/05074/1	15/00305/3	14/02966/5	14/05074/8	14/02966/2	14/03706/2	14/03706/3	14/07034/1	15/00208/1	14/02966/4	14/02966/1	14/04067/8	14/07067/1	14/03452/4	15/00520/1	14/02966/3	14/03452/2
Electrical conductivity	uS/cm	10	2500			15.6	18600	260	354	562	542	562	816	618	790	763	719	961	563	520	477	222	732	531	18400	454				551	588	8040						2150	865				467		5010			
Chromium	ug/l	1	50	4.7		0.492	103	214	*1*	*1*		*1*		*1*			*1*	6		*1*		*1*		*1*			7	110	20	6			2	5	*1*	*1*				*1*	*1*				*1*	6
Chromium (tot.unfilt)	ug/l	3	50	4.7		3	3	6																																						
Chromium, Hexavalent	mg/l	0.03				0.03	0.03	6																																						
Chrysene	ug/l	1				1	1	77	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Chrysene	ug/l	0.01				0.01	0.11	70	*0.01*	*0.01*		*0.01*		*0.01*			*0.01*	*0.01*		*0.01*		*0.01*		*0.01*			*0.01*	*0.01*	0.11	*0.01*			*0.01*	*0.01*	*0.01*			*0.01*	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*
Chrysene	ug/l	0.013				0.013	0.013	6																																						
Carbon Tetrachloride	ug/l	1.4		12	12	1.4	1.4	3																																						
Carbon Tetrachloride	ug/l	0.1		12	12	0.1	0.1	1																																						
Carbon Tetrachloride	ug/l	1		12	12	1	93	88	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	5.8	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Copper	ug/l	0.85		1		0.85	134	141																																						
Copper	ug/l	1		1		1	239	73	6	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			9	39	239	*1*			10	20	3	*1*		*1*	*1*	*1*	*1*		2	6
Cyanide, Free	mg/l	0.05				0.05	0.05	6																																						
Cyanide, Total	mg/l	0.05				0.05	0.05	6																																						
Dibenzofuran	ug/l	1	2000	1	3.76	1	1	77	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Dichlorodifluoromethane	ug/l	7				7	7	3																																						
Dichlorodifluoromethane	ug/l	1				1	1	82	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Diethyl phthalate	ug/l	1				1	1	77	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Dibenzo(ah)anthracene	ug/l	1.5				2	2	1																																						
Dibenzo(ah)anthracene	ug/l	1				1	1	76	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Dibenzo(ah)anthracene	ug/l	0.01				0.01	0.01	70	*0.01*	*0.01*		*0.01*		*0.01*			*0.01*	*0.01*		*0.01*		*0.01*		*0.01*			*0.01*	*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	ug/l	0.016				0.016	0.016	6																																						
Dibromochloromethane	ug/l	1.7				1.7	1.7	3																																						
Dibromochloromethane	ug/l	0.1				0.1	0.1	1																																						
Dibromochloromethane	ug/l	3				1	9	88	*3*	*3*		*3*		*3*			*3*	*3*		*3*		*3*		*3*			*3*	*3*	*3*	*3*			4	*3*	*3*	*3*			6	*3*	9		*3*		*3*	*3*
Dibromochloromethane	ug/l	1				1	1	20																																						
Dibromomethane	ug/l	2.7				2.7	2.7	3																																						
Dibromomethane	ug/l	0.1				0.1	0.1	1																																						
Dibromomethane	ug/l	1				1	1	88	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Dichloromethane VOC	ug/l	3.7		20	20	3.7	3.7	3																																						
Dichloromethane VOC	ug/l	0.5		20	20	0.5	0.5	1																																						
Dichloromethane VOC	ug/l	5		20	20	5	20	19																																						
Dichloromethane VOC	ug/l	20		20	20	20	20	49	*20*	*20*		*20*		*20*			*20*	*20*		*20*		*20*		*20*			*20*	*20*	*20*	*20*			20	*20*	*20*			*20*	*20*	*20*	*20*			*20*	*20*
Dimethyl phthalate	ug/l	1				1	9	77	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	9	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Di-isopropylamine	ug/l	1				1	1	1																																						
Total Dissolved Solids	mg/l	10				103	2540	223	268	425		426		421			519	582		256		281		459			295			409	323	2021						587	368				317		1257			
Total Dissolved Solids	mg/l	20				210	5510	34			339		490		461	495			371		325		482		5510																						
Total Suspended Solids	mg/l	1				1	29500	131																																						
n-Dibutylphthalate	ug/l	1				1	1	77	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
n-Dioctylphthalate	ug/l	2				2	2	1																																						
n-Dioctylphthalate	ug/l	5				5	448	76	*5*	*5*		*5*		10			*5*	*5*		*5*		*5*		*5*			*5*	*5*	448	*5*			*5*	*5*	*5*			*5*	*5*	*5*	*5*			*5*	*5*
Ethyl tert-butyl ether	ug/l	0.1				0.1	0.1	1																																						
BTEX - Ethyl Benzene	ug/l	2.5		20	20	2.5	2.5	3																																						
BTEX - Ethyl Benzene	ug/l	0.1		20	20	0.1	0.1	1																																						
BTEX - Ethyl Benzene	ug/l	1		20	20	1	11	72	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
BTEX - Ethyl Benzene	ug/l	5		20	20	1	5	137																																						
Ethyl Benzene VOC	ug/l	1				1	1	20																																						
Iron (dissolved)	ug/l	10	200	1000	1000	10	8685	59			*10*		*10*		*10*	*10*					*10*		*30*		78						23		73		30					16					44		
Iron (dissolved)	mg/l	0.019	0.2	1	1	0.019	54.2	135																																						
Ferrous iron Fe2t	mg/l	0.1	0.2	1	1	0.1	2.2	129	*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*			
Ferric iron Fe3t	mg/l	0.1	0.2	1	1	0.1	6.67	129	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	0.36	*0.1*	*0.1*	0.24	0.22	*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*		
Fluorene	ug/l	0.01				0.01	0.14	70	*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*
Fluorene	ug/l	1				1	1	77	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Fluorene	ug/l	0.014				0.014	0.014	6																																						
Fluoranthene	ug/l	1		0.0063	0.0063	1	1	77	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Fluoranthene	ug/l	0.01		0.0063	0.0063	0.01	0.44	70	*0.01*	*0.01*		*0.01*		*0.01*			*0.01*	*0.01*		*0.01*		*0.01*		*0.01*			*0.01*	*0.01*	0.49	*0.01*			*0.01*	*0.01*	*0.01*			*0.01*	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*
Fluoranthene	ug/l	0.017		0.0063	0.0063	0.017	0.017	6																																						
Hexachlorocyclopentadiene	ug/l	1.5				2	2	1																																						
Hexachlorocyclopentadiene	ug/l	1				1	1	76	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Hexachloroethane	ug/l	1				1	1	9																																						
Hexachloroethane	ug/l	2				0.5	2	2																																						
Hexachloroethane	ug/l	1				1	1	67	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Hexachlorobenzene	ug/l	1				1	1	77	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Hexachlorobutadiene	ug/l	2.5				2.5	2.5	3																																						
Hexachlorobutadiene	ug/l	1.5				0.5	2	2																																						
Hexachlorobutadiene	ug/l	1				1	1	92	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Mercury	ug/l	0.01	1	0.07	0.07	0.01	0.0362	140																																						
Mercury	ug/l	0.05	1	0.07	0.07	0.05	2.45	45	*0.05*	*0.05*		*0.05*		0.3			0.233	1.48		*0.05*		*0.05*		*0.05*			2.43							*0.05*												
Mercury	ug/l	0.1	1	0.07	0.07	0.1	39.1	28																									0.8	0.5	39.1												
Indeno(123-cd)pyrene	ug/l	1.5				2	2	1																																						
Indeno(123-cd)pyrene	ug/l	1				1	1	76	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Indeno(123-cd)pyrene	ug/l	0.01				0.01	0.01	70	*0.01*	*0.01*		*0.01*		*0.01*			*0.01*	*0.01*		*0.01*		*0.01*		*0.01*			*0.01*	*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	ug/l	0.014				0.014	0.014	6																																						
Isopropylbenzene	ug/l	1.4				1.4	1.4	3																																						
Isopropylbenzene	ug/l	0.1				0.1	0.1	1																																						
Isopropylbenzene	ug/l	1				1	3	88	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Isophorone	ug/l	1				1	1	9																																						
Isophorone	ug/l					1	1	1																																						
Isophorone	ug/l	1				1	1	67	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Potassium	mg/l	0.1				0.5	110	96	6.4	1.2		1.2		2.3			2.1	2.5		1.8		0.5		6.1			2.7			8.1	0.8	62.5		24.3				20.8	8.5				3.2		11.7			
Potassium	mg/l	1				1	843	175			3		4		3.1	2.5			2		2.3		9.2		843																						
Magnesium (dissolved)	mg/l	0.036				0.036	54.8	141																																						
Magnesium (dissolved)	mg/l	1				1	88.6	137	6	9	9.2	9	24.1	22	21.6	21.3	20	29	14.5	13	11.7	6	13.1	12	2	5				2		8	2						2	1		5			2		
Manganese	ug/l	1	50	123		0.096	9400	291	1	1544	404	1588	337	223	29	44	207	683	718	31	986	2	183	274	5	2	1	1010	1	1	2858	1	838	2	14	11	2	2	1	7	74	39	2	338	2	43	9
Molybdenum	ug/l	0.24				0.24	33.9	135																																						
Molybdenum	ug/l	0.5				0.5	58.2	73	0.5	0.9		0.9		5.1			1.8	2		0.5		0.5		5.4			0.5	36.3	4.7	28.3			6.4	58.2	17.9	14.3	50.9			30	3.1	2.6		1.3		10.9	3.8
MTBE	ug/l	1.6				1.6	1.6	3																																						
MTBE	ug/l	0.1				0.1	0.1	1																																						
MTBE	ug/l	1				1	1	78	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
MTBE	ug/l	3				3	3	131																																						
BTEX - m & p Xylene	ug/l	2.5				2.5	2.5	3																																						
BTEX - m & p Xylene	ug/l	0.2				0.2	0.2	1																																						
BTEX - m & p Xylene	ug/l	1				1	37	72	*1*	*1*		*1*		*1*			3	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
BTEX - m & p Xylene	ug/l	8				1	8	137																																						
m & p Xylene VOC	ug/l	1				1	1	20																																						
Sodium	mg/l	0.5				1.61	825	236	30.5	39.5		39.5		42.4			49.5	60.4		39.1		18		53.6			22.4			111	37	531		193				208	78.8					62.9		115			
Sodium	mg/l	1				24.3	1250	34			39.7		68.9		71.4	56.9			38		36		91.1		1250																						
Naphthalene1 -methyl-.	ug/l	1				1	1	1																																						
Naphthalene	ug/l	3.5		2.4	2.4	3.5	3.5	3																																						
Naphthalene	ug/l	0.5		2.4	2.4	0.5	1	2																																						
Naphthalene	ug/l	1		2.4	2.4	1	1	76	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Naphthalene	ug/l	0.01		2.4	2.4	0.01	0.68	70	*0.01*	*0.01*		*0.01*		*0.01*			0.42	0.05		*0.01*		*0.01*		*0.01*			*0.01*	0.68	0.03	*0.01*			*0.01*	*0.01*	*0.01*			*0.01*	0.15	*0.01*	*0.01*			*0.01*	*0.01*
Naphthalene	ug/l	0.1		2.4	2.4	0.1	0.1	6																																						
n-Butylbenzene	ug/l	2				2	2	3																																						
n-Butylbenzene	ug/l	0.1				0.1	0.1	1																																						
n-Butylbenzene	ug/l	1				1	1	88	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Nickel	ug/l	0.15	20	4	8.6	0.15	48.9	141																																						
Nickel	ug/l	1	20	4	8.6	1	56	73	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		2			*1*	*1*	56	*1*			8.8	20	*1*	*1*		*1*	*1*	*1*	*1*			*1*	*1*
Nitrite as N	mg/l	0.02	11.3			0.015	2.840464536	132																																						
Nitrite as N	mg/l	0.03	11.3			0.03	0.71	94	*0.03*	*0.03*		*0.03*		*0.03*			*0.03*	*0.03*		*0.03*		*0.03*		*0.03*			*0.03*				0.1	0.03	0.04					0.57	0.12			0.03		*0.03*			
Nitrite as N	mg/l	0.1	11.3			0.1	0.3	34			*0.1*		*0.1*		*0.1*	0.3			*0.1*		*0.1*		*0.1*		*0.1*																				
Nitrate as N	mg/l	0.07	11.3			0.06	40.4161	138																																						
Nitrate as N	mg/l	0.11	11.3			0.11	16.73	94	7.49	6.35		6.35		*0.11*			*0.11*	*0.11*		2.68		1.08		0.2			3.05			*0.11*	0.32	0.23					*0.11*	3.66			2.23		*0.11*			
Nitrate as N	mg/l	0.5	11.3			0.6	47.8	34			23.8		3.2		0.6	0.9			11.2		5		1.9		2.3																				
Nitrobenzene	ug/l	1				1	1	77	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Nitrogen (kjeldahl)	mg/l	0.1				0.2	8.4	93	0.3	0.2		0.2		0.6			0.8	1.3		0.6		0.3		0.2			1.5			2.2	2.5	2.4						1.6	0.7				3.3		1.9			
n-Nitroso-n-dipropylamine	ug/l	1				1	1	71	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
n-Propylbenzene	ug/l	0.1				0.1	0.1	1																																						
n-Propylbenzene	ug/l	1				1	2	74	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
Nitrogen, Total	mg/l	0.5				0.5	17.6	93	7.7	6.5		6.5		0.6			0.8	1.3		3.3		1.3		0.5			4.6			2.2	2.5	2.4						1.6	4.5				5.5		1.9			
BTEX - o Xylene	ug/l	1.7		30	30	1.7	1.7	3																																						
BTEX - o Xylene	ug/l	0.1		30	30	0.1	0.1	1																																						
BTEX - o Xylene	ug/l	1		30	30	1	14	72	*1*	*1*		*1*		*1*			2	*1*		*1*		*1*		*1*			*1*	*1*	*1*	*1*			*1*	*1*	*1*			*1*	*1*	*1*	*1*			*1*	*1*
BTEX - o Xylene	ug/l	3		30	30	1	3	137																																						
oXylene VOC	ug/l	1				1	1	20																																						
Total PAH	ug/l	0.01				0.01	1.57	70	*0.01*	*0.01*		*0.01*		*0.01*			*0.01*	*0.05*		*0.01*		*0.01*		*0.01*			*0.01*	0.68	1.57	*0.01*			*0.01*	*0.01*	*0.01*			*0.01*	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*
Lead	ug/l	0.02	10	1.2	1.3	0.02	88.9	141																																						

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH525 14/03669/5 DOnGl	BH525 14/03669/6 DOnGl	BH525R 11/02988/11 IOnGl	BH525R 14/03669/6 IOnGl	BH526 11/02988/14 IOnGl	BH526 14/03716/1 DOnGl	BH526R 11/02988/15 IOnGl	BH526R 11/02988/16 IOnGl	BH526R 14/03882/2 DOnGl	BH526R 14/03882/3 IOnGl	BH529 11/02226/7 IOnGl	BH529 14/03747/2 DOnGl	BH535 11/02988/13 IOnGl	BH535 14/03698/1 DOnGl	BH535R 11/02988/16 IOnGl	BH535R 14/03698/3 DOnGl	BH536R 11/02988/18 IOnGl	BH536R 14/03816/1 DOnGl	BH704R 14/03452/1 DOnGl	BH705 14/03706/1 DOnGl	BH707R 14/03452/3 IOnGl	BH712R 15/00131/1 DOnGl	BH713R 14/05074/1 DOnGl	BH717 15/00305/3 DOnGl	BH718 14/02966/5 DOnGl	BH719A 14/05074/8 DOnGl	BH724R 14/02966/2 DOnGl	BH725R 14/03706/2 DOnGl	BH726 14/03706/3 DOnGl	BH726 14/07034/1 DOnGl	BH727R 15/00208/1 DOnGl	BH728R 14/02966/4 DOnGl	BH734 14/02966/1 DOnGl	BH741R-1-D 14/04067/8 DOnGl	BH745R 14/07067/1 DOnGl	BH748R 14/03452/4 DOnGl	BH758R 15/00520/1 DOnGl	BH759 14/02966/3 DOnGl	BH762 14/03452/2 DOnGl
Lead	ug/l	1	10	1.2	1.3	1	43	73	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*		2	5	4	*1*				*1*	*1*	*1*	*1*			*1*		*1*		*1*	*1*
Paclobutrazol	ug/l	2.6	-	-		2.6	2.6	3																																					
Perylene	ug/l	1	-	-		1	1	73	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*		*1*	*1*	*1*	*1*				*1*	*1*	*1*	*1*			*1*		*1*		*1*	*1*
Phenol SVOC	ug/l	3	-	-		3	3	1																																					
Phenol SVOC	ug/l	1	-	-		1	4	76	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*		*1*	*1*	4	*1*				*1*	*1*	*1*	*1*			*1*		*1*		*1*	*1*
Phosphorus, (total)	ug/l	100	-	-		100	100	34			*100*		*100*		*100*	*100*			*100*		*100*		*100*		*100*																			
Phosphorus, (total)	ug/l	100	-	-		100	2030	94	*100*	*100*		*100*		*100*			*100*	*100*		*100*		*100*		*100*		*100*				*100*	*100*	*100*				*100*		2030				
pH	pH	0.01	5.5 - 9.5	6 - 9		5.98	12.59	232	6.3	7.27		7.23		7.53			7.81	7.6		7.68		5.98		7.5		8.01				10.78	7.16	12.49				11.91	11.28				6.87		12.25			
pH	pH	0.1	5.5 - 9.5	6 - 9		6.6	13.1	38			7.3		7.8		7.9	8			7.6		7.8		8		13.1																			
Pentachlorophenol	ug/l	1	-	-	0.4	0.4	1	1	77	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*		*1*	*1*	*1*	*1*				*1*	*1*	*1*	*1*			*1*		*1*		*1*	*1*
Phenanthrene	ug/l	0.01	-	-			0.01	0.35	70	*0.01*	*0.01*		*0.01*		*0.01*			*0.01*	*0.01*		*0.01*		*0.01*		*0.01*		*0.01*	*0.01*	0.34	*0.01*				*0.01*	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*	*0.07*		*0.01*	*0.01*
Phenanthrene	ug/l	1	-	-			1	1	77	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*		*1*	*1*	*1*	*1*				*1*	*1*	*1*	*1*			*1*	*1*	*1*		*1*	*1*
Phenanthrene	ug/l	0.022	-	-			0.022	0.022	6																																				
Pyrene	ug/l	0.01	-	-			0.01	0.41	70	*0.01*	*0.01*		*0.01*		*0.01*			*0.01*	*0.01*		*0.01*		*0.01*		*0.01*		*0.01*	*0.01*	0.41	*0.01*				*0.01*	*0.01*	*0.01*	*0.01*			*0.01*	*0.01*	*0.01*		*0.01*	*0.01*
Pyrene	ug/l	1	-	-			1	1	77	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*		*1*	*1*	*1*	*1*				*1*	*1*	*1*	*1*			*1*	*1*	*1*		*1*	*1*
Pyrene	ug/l	0.015	-	-			0.015	0.015	6																																				
Antimony (dissolved)	ug/l	0.16	-	5	-		0.16	6.63	135																																				
Antimony (dissolved)	ug/l	1	-	5	-		1	4	49	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*		*1*		1															
Selenium	ug/l	0.39	-	10	-		0.39	9.72	141																																				
Selenium	ug/l	1	-	10	-		1	4	73	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*		*1*	2	3	*1*				*1*	*1*	*1*	*1*			*1*		*1*		*1*	*1*
sec-Butylbenzene	ug/l	1.7	-	-			1.7	1.7	3																																				
sec-Butylbenzene	ug/l	0.1	-	-			0.1	0.1	1																																				
sec-Butylbenzene	ug/l	1	-	-			1	1	88	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*		*1*	*1*	*1*	*1*				*1*	*1*	*1*	*1*			*1*		*1*		*1*	*1*
Styrene	ug/l	1.2	-	-	50	50	1.2	1.52	3																																				
Styrene	ug/l	0.5	-	-	50	50	0.5	0.5	1																																				
Styrene	ug/l	1	-	-	50	50	1	1	88	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*		*1*	*1*	*1*	*1*				*1*	*1*	*1*	*1*			*1*		*1*		*1*	*1*
Sulphate	mg/l	1	250	-			1	384	132	20	29	29	29	68	27	55	41	36	25	22	25	36	8	88	30	169	24			53	22	13				39	64				26		4			
Sulphate	mg/l	2	250	-			2	226	138																																				
Sulphide	mg/l	0.01	-	-			0.01	0.01	6																																				
Sulphur, Free	mg/l	0.05	-	-			0.05	0.15	6																																				
trans 1,2-Dichloroethene	ug/l	1.9	-	-			1.9	1.9	3																																				
trans 1,2-Dichloroethene	ug/l	0.1	-	-			0.1	0.1	1																																				
trans 1,2-Dichloroethene	ug/l	1	-	-			1	1	88	*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	ug/l	3.5	-	-			3.5	3.5	3																																				
trans 1,3-Dichloropropene	ug/l	0.5	-	-			0.5	0.5	1																																				
trans 1,3-Dichloropropene	ug/l	1	-	-			1	1	88	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*		*1*	*1*	*1*	*1*				*1*	*1*	*1*	*1*			*1*		*1*		*1*	*1*
tert-Amyl methyl ether	ug/l	1	-	-			1	1	9																																				
tert-Amyl methyl ether	ug/l	0.1	-	-			0.1	0.1	1																																				
Trichlorofluoromethane	ug/l	1.3	-	-			1.3	1.3	3																																				
Trichlorofluoromethane	ug/l	0.1	-	-			0.1	0.1	1																																				
Trichlorofluoromethane	ug/l	1	-	-			1	1	88	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*		*1*	*1*	*1*	*1*				*1*	*1*	*1*	*1*			*1*		*1*		*1*	*1*
tert-Butylbenzene	ug/l	2	-	-			2	2	3																																				
tert-Butylbenzene	ug/l	0.1	-	-			0.1	0.1	1																																				
tert-Butylbenzene	ug/l	2	-	-			2	2	68	*2*	*2*		*2*		*2*			*2*	*2*		*2*		*2*		*2*		*2*	*2*	*2*	*2*				*2*	*2*	*2*	*2*			*2*		*2*		*2*	*2*
tert-Butylbenzene	ug/l	1	-	-			1	1	20																																				
Tetrachloroethene	ug/l	1.5	-	-	10	10	1.5	1.5	3																																				
Tetrachloroethene	ug/l	0.1	-	-	10	10	0.1	0.1	1																																				
Tetrachloroethene	ug/l	1	-	-	10	10	1	5	88	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*		*1*	*1*	*1*	*1*				*1*	*1*	*1*	*1*			*1*		*1*		*1*	*1*
Hardness Total	mg/l CaCO3	2	-	-			18	1183	135	96	220	194	220	301	255	285	299	291	359	192	168	175	76	191	173	911	265			238	242	123		1067		164	199				132		451			
BTEX - Toluene	ug/l	1	-	-			1	77	72	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*		*1*	*1*	*1*	*1*				*1*	*1*	*1*	*1*			*1*		*1*		*1*	*1*
BTEX - Toluene	ug/l	1.4	-	-			1.4	1.4	3																																				
BTEX - Toluene	ug/l	0.1	-	-			0.1	0.1	1																																				
BTEX - Toluene	ug/l	1	-	-			1	37	68	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*		*1*	*1*	*1*	*1*				*1*	*1*	*1*	*1*			*1*		*1*		*1*	*1*
BTEX - Toluene	ug/l	4	-	-			4	7	137																																				
Toluene VOC	ug/l	1	-	-			1	7.9	14																																				
Nitrogen, Total Oxidised TOxN	mg/l	0.5	-	-			0.5	16.78	127	7.43	6.3	5.39	6.3	0.73	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	2.54	2.68	1.16	1.01	*0.5*	*0.5*	0.57	3.85			*0.5*	*0.5*	*0.5*				0.5	3.78				2.23		*0.5*			
Trichloroethene	ug/l	2.5	10	10	10		2.5	2.5	3																																				
Trichloroethene	ug/l	0.1	10	10	10		0.1	0.1	1																																				
Trichloroethene	ug/l	1	10	10	10		1	56.6	88	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*		*1*	*1*	*1*	*1*				*1*	*1*	*1*	*1*			*1*		*1*		*1*	*1*
Vinyl Chloride	ug/l	1.2	-	-			1.2	1.2	3																																				
Vinyl Chloride	ug/l	0.1	-	-			0.1	0.1	1																																				
Vinyl Chloride	ug/l	1	-	-			1	1	88	*1*	*1*		*1*		*1*			*1*	*1*		*1*		*1*		*1*		*1*	*1*	*1*	*1*				*1*	*1*	*1*	*1*			*1*		*1*		*1*	*1*
Zinc	ug/l	0.41	5000	13.9	9.8		0.41	145	141																																				
Zinc	ug/l	1	5000	13.9	9.8		1	194	73	4	*1*		*1*		*1*			*1*	8		2		4		3		2	130	130	*1*				7	11	*1*	*1*			*1*		7	8	*1*		*1*		2	*1*
EPH (C5-C10)	ug/l	100	-	-			100	100	131																																				
GRO >C5-C10	ug/l	10	-	-			10	50	137																																				
EPH Range >C10 C40 (aq)	ug/l	46	-	-			46	668	31																																				
Total EPH (C5C40) (aq)	ug/l	100	10	-			100	3540	129																																				

Note: Groundwater data has been compiled from a mixture of AGS and Laboratory Cross-tabs reports. In order to aid assessment, less than symbols (<) have been removed from the data. Reference should be made to the original data contained within the factual reports (refer to the text of the Jacobs Risk Assessment and Remediation Strategy for further details).

Where determinands are reported multiple times these represent the different unit and limit of detection (LOD) combinations present within the original data.

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH763 14/05074/2	BH769R 14/07034/3	BH777R 14/05074/9	BH786R 14/03655/1	BH787R 14/07034/4	BH793R 14/04020/1	BH794R 14/04067/4	BH794R 15/00206/5	BH796R 14/04007/2	BH801R 14/07067/3	BH802R 15/00171/3	BH811 14/04067/2	BH817R 14/04067/3	BH822R 15/00261/3	BH833R 14/04067/7	BH844R 14/04067/6	BH850R 15/00305/2	BH852R 15/00261/4	BH853R 15/00171/7	BH854RA 15/00206/4	BH856 14/07071/5	BH857R 15/00206/1	BH858 15/00171/1	BH860 15/00171/2	BH862R 15/00159/2	BH863R 15/00159/1	BH864R 15/00131/3	BH866R 14/07071/1	BH867R 15/00159/3	BH870R 15/00305/1	BH871R 15/00520/2	BH874RA 15/00261/1	BH875R 15/00206/3	BH878R 15/00261/2	BH880R 14/07067/4	BH887R 15/00131/2	BH894R 14/04007/1	BH913R 14/04067/5	BH941R 15/00159/4
1,1,1,2-Tetrachloroethane	ug/l	1.3	-	140		1.3	1.3	3																																				
1,1,1,2-Tetrachloroethane	ug/l	0.1	-	140		0.1	0.1	1																																				
1,1,1,2-Tetrachloroethane	ug/l	1	-	140		1	1	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
1,1,1-Trichloroethane	ug/l	1.3	-	100	100	1.3	1.92	3																																				
1,1,1-Trichloroethane	ug/l	0.1	-	100	100	1.16	1.16	1																																				
1,1,1-Trichloroethane	ug/l	1	-	100	100	1	22	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
1,1,2,2-Tetrachloroethane	ug/l	5.2	-	-		5.2	5.2	3																																				
1,1,2,2-Tetrachloroethane	ug/l	0.1	-	-		0.1	0.1	1																																				
1,1,2,2-Tetrachloroethane	ug/l	1	-	-		1	1	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
1,1,2-Trichloroethane	ug/l	2.2	-	400	300	2.2	2.2	3																																				
1,1,2-Trichloroethane	ug/l	0.1	-	400	300	0.1	0.1	1																																				
1,1,2-Trichloroethane	ug/l	1	-	400	300	1	1	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
1,1-Dichloropropene	ug/l	1.3	-	-		1.3	1.3	3																																				
1,1-Dichloropropene	ug/l	0.1	-	-		0.1	0.1	1																																				
1,1-Dichloropropene	ug/l	1	-	-		1	1	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
1,1-Dichloroethane	ug/l	1.2	-	10	10	1.2	1.2	3																																				
1,1-Dichloroethane	ug/l	0.1	-	10	10	0.1	0.1	1																																				
1,1-Dichloroethane	ug/l	1	-	10	10	1	8	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
1,1-Dichloroethene	ug/l	1.2	-	-		1.2	1.2	3																																				
1,1-Dichloroethene	ug/l	0.1	-	-		0.1	0.1	1																																				
1,1-Dichloroethene	ug/l	1	-	-		1	33	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
1,2,3-Trichlorobenzene	ug/l	3.1	-	0.4	0.4	3.1	3.1	3																																				
1,2,3-Trichlorobenzene	ug/l	0.5	-	0.4	0.4	0.5	0.5	1																																				
1,2,3-Trichlorobenzene	ug/l	3	-	0.4	0.4	3	3	68				*3*		*3*	*3*		*3*			*3*	*3*		*3*	*3*				*3*	*3*	*3*											*3*	*3*		
1,2,3-Trichlorobenzene	ug/l	1	-	-		1	1	20																																				
1,2,3-Trichloropropane	ug/l	7.8	-	-		7.8	7.8	3																																				
1,2,3-Trichloropropane	ug/l	0.5	-	-		0.5	0.5	1																																				
1,2,3-Trichloropropane	ug/l	1	-	-		1	1	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
1,2,3-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																																				
1,2,4-Trichlorobenzene	ug/l	1	-	-		1	1	3																																				
1,2,4-Trichlorobenzene	ug/l	2.3	-	-		2.3	2.3	3																																				
1,2,4-Trichlorobenzene	ug/l	0.5	-	-		0.5	1	2																																				
1,2,4-Trichlorobenzene	ug/l	1	-	-		1	1	27																																				
1,2,4-Trichlorobenzene	ug/l	3	-	-		3	3	68				*3*		*3*	*3*		*3*			*3*	*3*		*3*	*3*				*3*	*3*	*3*											*3*	*3*		
1,2,4-Trimethylbenzene	ug/l	1.7	-	-		1.7	1.7	3																																				
1,2,4-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																																				
1,2,4-Trimethylbenzene	ug/l	1	-	-		1	1	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
1,2-Dibromo-3-chloropropane	ug/l	9.8	-	-		9.8	9.8	3																																				
1,2-Dibromo-3-chloropropane	ug/l	0.1	-	-		0.1	0.1	1																																				
1,2-Dibromo-3-chloropropane	ug/l	2	-	-		2	2	68				*2*		*2*	*2*		*2*			*2*	*2*		*2*	*2*				*2*	*2*	*2*											*2*	*2*		
1,2-Dibromo-3-chloropropane	ug/l	1	-	-		1	1	20																																				
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	23																																				
1,2-Dichlorobenzene	ug/l	3.7	-	-		3.7	3.7	3																																				
1,2-Dichlorobenzene	ug/l	0.1	-	-		0.1	0.1	1																																				
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	8																																				
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	68				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
1,2-Dichloroethane	ug/l	3.3	-	-		3.3	3.3	3																																				
1,2-Dichloroethane	ug/l	0.1	-	-		0.1	0.1	1																																				
1,2-Dichloroethane	ug/l	2	-	-		2	2	68				*2*		*2*	*2*		*2*			*2*	*2*		*2*	*2*				*2*	*2*	*2*											*2*	*2*		
1,2-Dichloroethene	ug/l	1	-	-		1	1	20																																				
cis 1,2-Dichloroethene	ug/l	2.3	-	-		2.3	2.3	3																																				
cis 1,2-Dichloroethene	ug/l	0.1	-	-		0.1	0.1	1																																				
cis 1,2-Dichloroethene	ug/l	1	-	-		1	3.81	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
1,2-Dibromoethane	ug/l	2.3	-	-		2.3	2.3	3																																				
1,2-Dibromoethane	ug/l	0.1	-	-		0.1	0.1	1																																				
1,2-Dibromoethane	ug/l	1	-	-		1	2	89				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*2*		
1,2-Dichloropropane	ug/l	3	-	-		3	3	3																																				
1,2-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																																				
1,2-Dichloropropane	ug/l	1	-	-		1	2	88				*1*		*1*	*1*		*1*			*1*	2		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
1,3,5- Trichlorobenzene	ug/l	10	-	-		10	10	3																																				
1,3,5- Trichlorobenzene	ug/l	0.5	-	-		0.5	0.5	1																																				
1,3,5-Trimethylbenzene	ug/l	1.8	-	-		1.8	1.8	3																																				
1,3,5-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																																				
1,3,5-Trimethylbenzene	ug/l	1	-	-		1	2	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
1,3,5-Trichlorobenzene	ug/l	1	-	-		1	1	6																																				
1,3-Dichlorobenzene	ug/l	1	-	-		1	1	3																																				
1,3-Dichlorobenzene	ug/l	2.2	-	-		2.2	2.2	3																																				
1,3-Dichlorobenzene	ug/l	0.5	-	-		0.5	0.5	1																																				
1,3-Dichlorobenzene	ug/l	1	-	-		1	1	90				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
cis 1,3-Dichloropropene	ug/l	1.9	-	-		1.9	1.9	3																																				
cis 1,3-Dichloropropene	ug/l	0.1	-	-		0.1	0.1	1																																				
cis 1,3-Dichloropropene	ug/l	1	-	-		1	1	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
1,3-Dinitrobenzene	ug/l	1	-	-		1	1	1																																				
1,3-Dichloropropane	ug/l	2.2	-	-		2.2	2.2	3																																				
1,3-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																																				
1,3-Dichloropropane	ug/l	1	-	-		1	1	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
1,4-Dichlorobenzene	ug/l	2.7	20	20		2.7	2.7	3																																				
1,4-Dichlorobenzene	ug/l	0.1	20	20		0.1	3	2																																				
1,4-Dichlorobenzene	ug/l	1	20	20		1	1	73				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
1,4-Dinitrobenzene	ug/l	1	-	-		1	1	1																																				
2,2-Dichloropropane	ug/l	3.8	-	-		3.8	3.8	3																																				
2,2-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																																				
2,2-Dichloropropane	ug/l	1	-	-		1	1	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
2,3,4,6- Tetrachlorophenol	ug/l	1	-	-		1	1	1																																				
2,4,5-Trichlorophenol	ug/l	1	-	-		1	1	77				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
2,4,6-Trichlorophenol	ug/l	1	-	-		1	1	77				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
2,4-Dichlorophenol	ug/l	1	4.2	0.42		1	1	77				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
2,4-Dimethylphenol	ug/l	1	-	-		1	1	77				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
2,4-Dinitrophenol	ug/l	1	-	-		1	1	67				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
2,4-Dinitrotoluene	ug/l	1	-	-		1	1	77				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
2,6-Dinitrotoluene	ug/l	1	-	-		1	1	77				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
2-Chloronaphthalene	ug/l	1	-	-		1	1	77				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
2-Chlorophenol	ug/l	1	-	-		1	1	77				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
2-Chlorotoluene	ug/l	1.9	-	-		1.9	1.9	3																																				
2-Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																																				
2-Chlorotoluene	ug/l	1	-	-		1	2	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
2-Methylnaphthalene	ug/l	1	-	-		1	3	77				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
2-Methylphenol	ug/l	1	-	-		1	1	76				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
2- Nitroaniline	ug/l	1	-	-		1	1	10																																				
2-Nitrophenol	ug/l	1	-	-		1	1	77				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
3,4-Methylphenol	ug/l	1	-	-		1	1	1																																				
3- Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																																				
3- Nitroaniline	ug/l	1	-	-		1	1	9																																				
3,4-Nitroaniline	ug/l	2	-	-		2	2	1																																				
4,6-Dinitro-2-methylphenol	ug/l	1	-	-		1	1	67				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
4-Bromophenyl phenyl ether	ug/l	1	-	-		1	1	77				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
4-Chloro-3-methylphenol	ug/l	1	-	-		1	1	73				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
4 - Chloro - 3 - Methlphenol	ug/l	1	-	-		1	1	4																																				
4- Chloroaniline	ug/l	1	-	-		1	1	10																																				
4- Chlorophenyl phenyl ether	ug/l	1	-	-		1	1	10																																				
4-Chlorotoluene	ug/l	1.9	-	-		1.9	1.9	3																																				
4-Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																																				
4-Chlorotoluene	ug/l	1	-	-		1	2	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
4-Isopropyltoluene	ug/l	2.6	-	-		2.6	2.6	3																																				
4-Isopropyltoluene	ug/l	0.1	-	-		0.1	0.1	1																																				
4-Isopropyltoluene	ug/l	1	-	-		1	1	82				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
4-Methylphenol	ug/l	1	-	-		1	1	76				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
4- Nitroaniline	ug/l	1	-	-		1	1	9																																				
4-Nitrophenol	ug/l	1	-	-		1	1	76				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*				*1*	*1*	*1*											*1*	*1*		
Acenaphthylene	ug/l	0.01	-	-		0.01	0.01	70				*0.01*		*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	ug/l	0.011	-	-		0.011	0.011	6																																				

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

| Determinand | UNITS | Lab Limit of Detection (LOD) | DWS | EQS Freshwater | EQS Coastal Water | Min Value | Max Value | No. Results | BH763 14/05074/2 | DOnGl | BH769R 14/07034/3 | DOnGl | BH777R 14/05074/9 | DOnGl | BH786R 14/03655/1 | DOnGl | BH787R 14/07034/4 | DOnGl | BH793R 14/04020/1 | DOnGl | BH794R 14/04067/4 | DOnGl | BH794R 15/00206/5 | DOnGl | BH796R 14/04007/2 | DOnGl | BH801R 14/07067/3 | DOnGl | BH802R 15/00171/3 | DOnGl | BH811 14/04067/2 | DOnGl | BH817R 14/04067/3 | DOnGl | BH822R 15/00261/3 | DOnGl | BH831R 14/04067/7 | DOnGl | BH844R 14/04067/6 | DOnGl | BH850R 15/00305/2 | DOnGl | BH852R 15/00261/4 | DOnGl | BH853R 15/00171/7 | DOnGl | BH854RA 15/00206/4 | DOnGl | BH856 14/07071/5 | DOnGl | BH857R 15/00206/1 | DOnGl | BH858 15/00171/1 | DOnGl | BH860 15/00171/2 | DOnGl | BH862R 15/00159/2 | DOnGl | BH863R 15/00159/1 | DOnGl | BH864R 15/00131/3 | DOnGl | BH866R 14/07071/1 | DOnGl | BH867R 15/00159/3 | DOnGl | BH870R 15/00305/1 | DOnGl | BH871R 15/00520/2 | DOnGl | BH874RA 15/00261/1 | DOnGl | BH875R 15/00206/3 | DOnGl | BH878R 15/00261/2 | DOnGl | BH880R 14/07067/4 | DOnGl | BH887R 15/00131/2 | DOnGl | BH894R 14/04007/1 | DOnGl | BH913R 14/04067/5 | DOnGl | BH941R 15/00159/4 | DOnGl |
|---|---|---

Key:

0.1 Result <LOD

0.1 Positive Detection >EQS Freshwater

0.1 Positive Detection >DWS (where EQS Freshwater not available)

| Determinand | UNITS | Lab Limit of Detection (LOD) | DWS | EQS Freshwater | EQS Coastal Water | Min Value | Max Value | No. Results | BH763 14/05074/2 | DrOnGI | BH769R 14/07034/3 | DrOnGI | BH777R 14/05074/9 | DrOnGI | BH786R 14/03655/1 | DrOnGI | BH787R 14/07034/4 | DrOnGI | BH793R 14/04020/1 | DrOnGI | BH794R 14/04067/4 | DrOnGI | BH794R 15/00206/5 | DrOnGI | BH796R 14/04007/2 | DrOnGI | BH801R 14/07067/3 | DrOnGI | BH802R 15/00171/3 | DrOnGI | BH811 14/04067/2 | DrOnGI | BH817R 14/04067/3 | DrOnGI | BH822R 15/00261/3 | DrOnGI | BH833R 14/04067/7 | DrOnGI | BH844R 14/04067/6 | DrOnGI | BH850R 15/00305/2 | DrOnGI | BH852R 15/00261/4 | DrOnGI | BH853R 15/00171/7 | DrOnGI | BH854RA 15/00206/4 | DrOnGI | BH856 14/07071/5 | DrOnGI | BH857R 15/00206/1 | DrOnGI | BH858 15/00171/1 | DrOnGI | BH860 15/00171/2 | DrOnGI | BH862R 15/00159/2 | DrOnGI | BH863R 15/00159/1 | DrOnGI | BH864R 15/00131/3 | DrOnGI | BH866R 14/07071/1 | DrOnGI | BH867R 15/00159/3 | DrOnGI | BH870R 15/00305/1 | DrOnGI | BH871R 15/00520/2 | DrOnGI | BH874RA 15/00261/1 | DrOnGI | BH875R 15/00206/3 | DrOnGI | BH878R 15/00261/2 | DrOnGI | BH880R 14/07067/4 | DrOnGI | BH887R 15/00131/2 | DrOnGI | BH894R 14/04007/1 | DrOnGI | BH913R 14/04067/5 | DrOnGI | BH941R 15/00159/4 | DrOnGI |
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Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH763 14/05074/2 DOnGl	BH769R 14/07034/3 DOnGl	BH777R 14/05074/9 DOnGl	BH786R 14/03655/1 DOnGl	BH787R 14/07034/4 DOnGl	BH793R 14/04020/1 DOnGl	BH794R 14/04067/4 DOnGl	BH794R 15/00206/5 DOnGl	BH796R 14/04007/2 DOnGl	BH801R 14/07067/3 DOnGl	BH802R 15/00171/3 DOnGl	BH811 14/04067/2 DOnGl	BH817R 14/04067/3 DOnGl	BH822R 15/00261/3 DOnGl	BH833R 14/04067/7 DOnGl	BH844R 14/04067/6 DOnGl	BH850R 15/00305/2 DOnGl	BH852R 15/00261/4 DOnGl	BH853R 15/00171/7 DOnGl	BH854RA 15/00206/4 DOnGl	BH856 14/07071/5 DOnGl	BH857R 15/00206/1 DOnGl	BH858 15/00171/1 DOnGl	BH860 15/00171/2 DOnGl	BH862R 15/00159/2 DOnGl	BH863R 15/00159/1 DOnGl	BH864R 15/00131/3 DOnGl	BH866R 14/07071/1 DOnGl	BH867R 15/00159/3 DOnGl	BH870R 15/00305/1 DOnGl	BH871R 15/00520/2 DOnGl	BH874RA 15/00261/1 DOnGl	BH875R 15/00206/3 DOnGl	BH878R 15/00261/2 DOnGl	BH880R 14/07067/4 DOnGl	BH887R 15/00131/2 DOnGl	BH894R 14/04007/1 DOnGl	BH913R 14/04067/5 DOnGl	BH941R 15/00159/4 DOnGl
Lead	ug/l	1	10	1.2	1.3	1	43	73					*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*					*1*	*1*	*1*												*1*	*1*	
Paclobutrazol	ug/l	2.6	-	-		2.6	2.6	3																																						
Perylene	ug/l	1	-	-		1	1	73					*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*					*1*	*1*	*1*												*1*	*1*	
Phenol SVOC	ug/l	3	-	-		3	3	1																																						
Phenol SVOC	ug/l	1	-	-		1	4	76					*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*					*1*	*1*	*1*												*1*	*1*	
Phosphorus, (total)	ug/l	100	-	-		100	100	34																																						
Phosphorus, (total)	ug/l	100	-	-		100	2030	94	*100*	162	*100*		160			*100*		*100*	*100*			*100*			*100*	*100*	*100*	103	*100*	*100*	*100*	*100*	*100*	156	*100*	292	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*			*100*	
pH	pH	0.01	6.5 - 9.5	6 - 9		5.98	12.58	232	7.98	8.76	11.05		7.9			8.45		7.31	7.67		11.96			7.95	7.3	7.57	7.89	7.25	7.77	8.78	6.71	8.75	6.62	11.9	7.13	9.13	12.25	12.58	11.96	6.16	11.95	6.57	8.15			8.7	
pH	pH	0.1	6.5 - 9.5	6 - 9		6.6	13.1	38																																						
Pentachlorophenol	ug/l	1	-	-	0.4	0.4	1	1	77					*1*		*1*	*1*		*1*			*1*	*1*		*1*						*1*	*1*	*1*												*1*	*1*	
Phenanthrene	ug/l	0.01	-	-			0.01	0.35	70				*0.01*		0.35	*0.01*		0.03			*0.01*	*0.01*		0.06	*0.01*					*0.01*	*0.01*	*0.01*												*0.01*	*0.01*	
Phenanthrene	ug/l	1	-	-			1	1	77				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*					*1*	*1*	*1*												*1*	*1*	
Phenanthrene	ug/l	0.022	-	-			0.022	0.022	6																																						
Pyrene	ug/l	0.01	-	-			0.01	0.41	70				*0.01*		0.06	*0.01*		*0.01*			*0.01*	*0.01*		0.02	*0.01*					*0.01*	*0.01*	*0.01*												*0.01*	*0.01*	
Pyrene	ug/l	1	-	-			1	1	77				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*					*1*	*1*	*1*												*1*	*1*	
Pyrene	ug/l	0.015	-	-			0.015	0.015	6																																						
Antimony (dissolved)	ug/l	0.16	5	-			0.16	6.63	135																																						
Antimony (dissolved)	ug/l	1	5	-			1	4	49																																					
Selenium	ug/l	0.39	10	-			0.39	9.72	141																																					
Selenium	ug/l	1	10	-			1	4	73				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*					*1*	*1*	*1*												*1*	*1*	
sec-Butylbenzene	ug/l	1.7	-	-			1.7	1.7	3																																					
sec-Butylbenzene	ug/l	0.1	-	-			0.1	0.1	1																																					
sec-Butylbenzene	ug/l	1	-	-			1	1	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*					*1*	*1*	*1*												*1*	*1*	
Styrene	ug/l	1.2	-	-	50	50	1.2	1.52	3																																					
Styrene	ug/l	0.5	-	-	50	50	0.5	0.5	1																																					
Styrene	ug/l	1	-	-	50	50	1	1	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*					*1*	*1*	*1*												*1*	*1*	
Sulphate	mg/l	1	250	-			1	384	132	66	69	40		25			122		42	185		22			28	38	40	28	33	31	42	43	108	47	22	43	52	19	*1*	9	7	4	37	34			51	
Sulphate	mg/l	2	250	-			2	226	138																																					
Sulphide	mg/l	0.01	-	-			0.01	0.01	6																																					
Sulphur, Free	mg/l	0.05	-	-			0.05	0.15	6																																					
trans 1,2-Dichloroethene	ug/l	1.9	-	-			1.9	1.9	3																																					
trans 1,2-Dichloroethene	ug/l	0.1	-	-			0.1	0.1	1																																					
trans 1,2-Dichloroethene	ug/l	1	-	-			1	1	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*					*1*	*1*	*1*												*1*	*1*	
trans 1,3-Dichloropropene	ug/l	3.5	-	-			3.5	3.5	3																																					
trans 1,3-Dichloropropene	ug/l	0.5	-	-			0.5	0.5	1																																					
trans 1,3-Dichloropropene	ug/l	1	-	-			1	1	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*					*1*	*1*	*1*												*1*	*1*	
tert-Amyl methyl ether	ug/l	1	-	-			1	1	9																																					
tert-Amyl methyl ether	ug/l	0.1	-	-			0.1	0.1	1																																					
Trichlorofluoromethane	ug/l	1.3	-	-			1.3	1.3	3																																					
Trichlorofluoromethane	ug/l	0.1	-	-			0.1	0.1	1																																					
Trichlorofluoromethane	ug/l	1	-	-			1	1	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*					*1*	*1*	*1*												*1*	*1*	
tert-Butylbenzene	ug/l	2	-	-			2	2	3																																					
tert-Butylbenzene	ug/l	0.1	-	-			0.1	0.1	1																																					
tert-Butylbenzene	ug/l	2	-	-			2	2	68				*2*		*2*	*2*		*2*			*2*	*2*		*2*	*2*					*2*	*2*	*2*												*2*	*2*	
tert-Butylbenzene	ug/l	1	-	-			1	1	20																																					
Tetrachloroethene	ug/l	1.5	-	-	10	10	1.5	1.5	3																																					
Tetrachloroethene	ug/l	0.1	-	-	10	10	0.1	0.1	1																																					
Tetrachloroethene	ug/l	1	-	-	10	10	1	5	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*					*1*	*1*	*1*												*1*	2	
Hardness Total	mg/l CaCO3	2	-	-			18	1183	135	243	90	370		127			186		266	394		373			240	265	269	208	80	119	175	234	300	200	18	178	81	1183	778	934	97	752	279	195			193	
BTEX - Toluene	ug/l	1	-	-			1	77	72				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*					*1*	*1*	*1*												*1*	*1*	
BTEX - Toluene	ug/l	1.4	-	-			1.4	1.4	3																																					
BTEX - Toluene	ug/l	0.1	-	-			0.1	0.1	1																																					
BTEX - Toluene	ug/l	1	-	-			1	37	68				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*					*1*	*1*	37												*1*	*1*	
BTEX - Toluene	ug/l	4	-	-			4	7	137																																					
Toluene VOC	ug/l	1	-	-			1	7.9	14																																					
Nitrogen, Total Oxidised TOxN	mg/l	0.5	-	-			0.5	16.78	127	5.96	1.98	*0.5*		*0.5*			8.26		0.84	*0.5*		0.61			2.23	7.06	4.28	6.81	5.25	6.03	0.54	6.19	5.62	4.39	2.52	*0.5*	1.39	6.72	4.39	7.14	4.55	5.01	1.15	0.75			1.4	
Trichloroethene	ug/l	2.5	10	10	10		2.5	2.5	3																																					
Trichloroethene	ug/l	0.1	10	10	10		0.1	0.1	1																																					
Trichloroethene	ug/l	1	10	10	10		1	56.6	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*					*1*	*1*	*1*												*1*	*1*	
Vinyl Chloride	ug/l	1.2	-	-			1.2	1.2	3																																					
Vinyl Chloride	ug/l	0.1	-	-			0.1	0.1	1																																					
Vinyl Chloride	ug/l	1	-	-			1	1	88				*1*		*1*	*1*		*1*			*1*	*1*		*1*	*1*					*1*	*1*	*1*												*1*	*1*	
Zinc	ug/l	0.41	5000	13.9	9.8		0.41	145	141																																					
Zinc	ug/l	1	5000	13.9	9.8		1	194	73				*1*		*1*	*1*		4			*1*	*1*		*1*	*1*					3	*1*	*1*												*1*	*1*	
EPH (C6-C10)	ug/l	100	-	-			100	100	131																																					
GRO >C5-C10	ug/l	10	-	-			10	50	137																																					
EPH Range >C10 C40 (aq)	ug/l	46	-	-			46	668	31																																					
Total EPH (C6C40) (aq)	ug/l	100	10	-			100	3540	129																																					

Note: Groundwater data has been compiled from a mixture of AGS and Laboratory Cross-tabs reports. In order to aid assessment, less than symbols (<) have been removed from the data. Reference should be made to the original data contained within the factual reports (refer to the text of the Jacobs Risk Assessment and Remediation Strategy for further details).

Where determinands are reported multiple times these represent the different unit and limit of detection (LOD) combinations present within the original data.

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	FQS Coastal Water	Min Value	Max Value	No. Results	BH943 14/04067/1	BH947R 15/00206/6	BH950R 15/00206/2	BH951R 14/07034/2	BH957 15/00171/4	BH958R 15/00171/6	BHRN1A 14/03816/3	RGM-BH1 14/07067/2	RGM-BH1 14/07071/2	RGM-BH13 14/06795/6	RGM-BH2 14/06795/1	RGM-BH4 14/06795/2	RGM-BH4A 14/06795/3	RGM-BH5 14/06795/4	RGM-BH6 14/07071/3	RGM-BH7 14/06795/5	RN1A 11/01911/2	RN1A 11/02226/1	RN1A 11/02988/20	RN1A TM176_341	RN1A TM208_3416	RGMBH2 507	RGMBH6	BH309R	BH310CP	BH523RD	BH524CP	BH524R	BH525CP	BH525R	RGMBH13	RGMBH1D	RGMBH1S	RGMBH4	RGMBH4A	RGMBH5
1,1,1,2-Tetrachloroethane	ug/l	1.3	-	140		1.3	1.3	3																				1.3														
1,1,1,2-Tetrachloroethane	ug/l	0.1	-	140		0.1	0.1	1																																			
1,1,1,2-Tetrachloroethane	ug/l	1	-	140		1	1	88	1						1																												
1,1,1-Trichloroethane	ug/l	1.3	-	100	100	1.3	1.92	3																				1.92														
1,1,1-Trichloroethane	ug/l	0.1	-	100	100	1.16	1.16	1																																			
1,1,1-Trichloroethane	ug/l	1	-	100	100	1	22	88	1						1																												
1,1,2,2-Tetrachloroethane	ug/l	5.2	-	-		5.2	5.2	3																				5.2														
1,1,2,2-Tetrachloroethane	ug/l	0.1	-	-		0.1	0.1	1																																			
1,1,2,2-Tetrachloroethane	ug/l	1	-	-		1	1	88	1						1																												
1,1,2-Trichloroethane	ug/l	2.2	-	400	300	2.2	2.2	3																				2.2														
1,1,2-Trichloroethane	ug/l	0.1	-	400	300	0.1	0.1	1																																			
1,1,2-Trichloroethane	ug/l	1	-	400	300	1	1	88	1						1																												
1,1-Dichloropropene	ug/l	1.3	-	-		1.3	1.3	3																				1.3														
1,1-Dichloropropene	ug/l	0.1	-	-		0.1	0.1	1																																			
1,1-Dichloropropene	ug/l	1	-	-		1	1	88	1						1																												
1,1-Dichloroethane	ug/l	1.2	-	10	10	1.2	1.2	3																				1.2														
1,1-Dichloroethane	ug/l	0.1	-	10	10	0.1	0.1	1																																			
1,1-Dichloroethane	ug/l	1	-	10	10	1	8	88	1						1																												
1,1-Dichloroethene	ug/l	1.2	-	-		1.2	1.2	3																				1.2														
1,1-Dichloroethene	ug/l	0.1	-	-		0.1	0.1	1																																			
1,1-Dichloroethene	ug/l	1	-	-		1	33	88	1						1																												
1,2,3-Trichlorobenzene	ug/l	3.1	-	0.4	0.4	3.1	3.1	3																				3.1														
1,2,3-Trichlorobenzene	ug/l	0.5	-	0.4	0.4	0.5	0.5	1																																			
1,2,3-Trichlorobenzene	ug/l	3	-	0.4	0.4	3	3	68	3						3																												
1,2,3-Trichlorobenzene	ug/l	1	-	-		1	1	20																																			
1,2,3-Trichloropropane	ug/l	7.8	-	-		7.8	7.8	3																				7.8														
1,2,3-Trichloropropane	ug/l	0.5	-	-		0.5	0.5	1																																			
1,2,3-Trichloropropane	ug/l	1	-	-		1	1	88	1						1																												
1,2,4-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																																			
1,2,4-Trichlorobenzene	ug/l	1	-	-		1	1	3																			1														
1,2,4-Trichlorobenzene	ug/l	2.3	-	-		2.3	2.3	3																				2.3														
1,2,4-Trichlorobenzene	ug/l	0.5	-	-		0.5	1	2																																			
1,2,4-Trichlorobenzene	ug/l	1	-	-		1	1	27																																			
1,2,4-Trichlorobenzene	ug/l	3	-	-		3	3	68	3						3																												
1,2,4-Trimethylbenzene	ug/l	1.7	-	-		1.7	1.7	3																				1.7														
1,2,4-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																																			
1,2,4-Trimethylbenzene	ug/l	1	-	-		1	1	88	1						1																												
1,2-Dibromo-3-chloropropane	ug/l	9.8	-	-		9.8	9.8	3																				9.8														
1,2-Dibromo-3-chloropropane	ug/l	0.1	-	-		0.1	0.1	1																																			
1,2-Dibromo-3-chloropropane	ug/l	2	-	-		2	2	68	2						2																												
1,2-Dibromo-3-chloropropane	ug/l	1	-	-		1	1	20																																			
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	23																			1														
1,2-Dichlorobenzene	ug/l	3.7	-	-		3.7	3.7	3																				3.7														
1,2-Dichlorobenzene	ug/l	0.1	-	-		0.1	0.1	1																																			
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	8																																			
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	68	1						1																												
1,2-Dichloroethane	ug/l	3.3	-	-		3.3	3.3	3																				3.3														
1,2-Dichloroethane	ug/l	0.1	-	-		0.1	0.1	1																																			
1,2-Dichloroethane	ug/l	2	-	-		2	2	68	2						2																												
1,2-Dichloroethene	ug/l	1	-	-		1	1	20																																			
cis 1,2-Dichloroethene	ug/l	2.3	-	-		2.3	2.3	3																				2.3														
cis 1,2-Dichloroethene	ug/l	0.1	-	-		0.1	0.1	1																																			
cis 1,2-Dichloroethene	ug/l	1	-	-		1	3.81	88	1						1																												
1,2-Dibromoethane	ug/l	2.3	-	-		2.3	2.3	3																				2.3														
1,2-Dibromoethane	ug/l	0.1	-	-		0.1	0.1	1																																			
1,2-Dibromoethane	ug/l	1	-	-		1	2	89	1						1																												
1,2-Dichloropropane	ug/l	3	-	-		3	3	3																				3														
1,2-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																																			
1,2-Dichloropropane	ug/l	1	-	-		1	2	88	1						1																												
1,3,5- Trichlorobenzene	ug/l	10	-	-		10	10	3																				10														
1,3,5- Trichlorobenzene	ug/l	0.5	-	-		0.5	0.5	1																																			
1,3,5-Trimethylbenzene	ug/l	1.8	-	-		1.8	1.8	3																				1.8														
1,3,5-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																																			
1,3,5-Trimethylbenzene	ug/l	1	-	-		1	2	88	1						1																												
1,3,5-Trichlorobenzene	ug/l	1	-	-		1	1	6																																			
1,3-Dichlorobenzene	ug/l	1	-	-		1	1	3																			1														
1,3-Dichlorobenzene	ug/l	2.2	-	-		2.2	2.2	3																				2.2														
1,3-Dichlorobenzene	ug/l	0.5	-	-		0.5	0.5	1																																			
1,3-Dichlorobenzene	ug/l	1	-	-		1	1	90	1						1																												
cis 1,3-Dichloropropene	ug/l	1.9	-	-		1.9	1.9	3																				1.9														
cis 1,3-Dichloropropene	ug/l	0.1	-	-		0.1	0.1	1																																			
cis 1,3-Dichloropropene	ug/l	1	-	-		1	1	88	1						1																												
1,3-Dinitrobenzene	ug/l	1	-	-		1	1	1																																			
1,3-Dichloropropane	ug/l	2.2	-	-		2.2	2.2	3																				2.2														
1,3-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																																			
1,3-Dichloropropane	ug/l	1	-	-		1	1	88	1						1																												
1,4-Dichlorobenzene	ug/l	2.7	-	20	20	2.7	2.7	3																				2.7														
1,4-Dichlorobenzene	ug/l	0.1	-	20	20	0.1	3	2																																			
1,4-Dichlorobenzene	ug/l	1	-	20	20	1	1	73	1						1													1														
1,4-Dinitrobenzene	ug/l	1	-	-		1	1	1																																			
2,2-Dichloropropane	ug/l	3.8	-	-		3.8	3.8	3																				3.8														
2,2-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																																			
2,2-Dichloropropane	ug/l	1	-	-		1	1	88	1						1																												
2,3,4,6- Tetrachlorophenol	ug/l	1	-	-		1	1	1																																			
2,4,5-Trichlorophenol	ug/l	1	-	-		1	1	77	1						1													1														
2,4,6-Trichlorophenol	ug/l	1	-	-		1	1	77	1						1													1														
2,4-Dichlorophenol	ug/l	1	4.2	0.42		1	1	77	1						1													1														
2,4-Dimethylphenol	ug/l	1	-	-		1	1	77	1						1													1														
2,4-Dinitrophenol	ug/l	1	-	-		1	1	67	1						1																												
2,4-Dinitrotoluene	ug/l	1	-	-		1	1	77	1						1													1														
2,6-Dinitrotoluene	ug/l	1	-	-		1	1	77	1						1													1														
2-Chloronaphthalene	ug/l	1	-	-		1	1	77	1						1													1														
2-Chlorophenol	ug/l	1	-	-		1	1	77	1						1													1														
2-Chlorotoluene	ug/l	1.9	-	-		1.9	1.9	3																				1.9														
2-Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																																			
2-Chlorotoluene	ug/l	1	-	-		1	2	88	1						1																												
2-Methylnaphthalene	ug/l	1	-	-		1	1	77	1						1													1														
2-Methylphenol	ug/l	1	-	-		1	1	76	1						1													1														
2- Nitroaniline	ug/l	1	-	-		1	1	10																																			
2-Nitrophenol	ug/l	1	-	-		1	1	77	1						1													1														
3,4-Methylphenol	ug/l	1	-	-		1	1	1																																			
3- Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																																			
3- Nitroaniline	ug/l	1	-	-		1	1	9																			1														
3,4-Nitroaniline	ug/l	2	-	-		2	2	1																																			
4,6-Dinitro-2-methylphenol	ug/l	1	-	-		1	1	67	1						1																												
4-Bromophenyl phenyl ether	ug/l	1	-	-		1	1	77	1						1													1														
4-Chloro-3-methylphenol	ug/l	1	-	-		1	1	73	1						1																												
4 - Chloro - 3 - Methlphenol	ug/l	1	-	-		1	1	4																			1														
4- Chloroaniline	ug/l	1	-	-		1	1	10																			1														
4- Chlorophenyl phenyl ether	ug/l	1	-	-		1	1	10																			1														
4-Chlorotoluene	ug/l	1.9	-	-		1.9	1.9	3																				1.9														
4-Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																																			
4-Chlorotoluene	ug/l	1	-	-		1	2	88	1						1																												
4-Isopropyltoluene	ug/l	2.6	-	-		2.6	2.6	3																				2.6														
4-Isopropyltoluene	ug/l	0.1	-	-		0.1	0.1	1																																			
4-Isopropyltoluene	ug/l	1	-	-		1	1	82	1						1																												
4-Methylphenol	ug/l	1	-	-		1	1	76	1						1													1														
4- Nitroaniline	ug/l	1	-	-		1	1	9																			1														
4-Nitrophenol	ug/l	1	-	-		1	1	76	1						1													1														
Acenaphthylene	ug/l	0.01	-	-		0.01	0.01	70	0.01						0.01										0.01																	
Acenaphthylene	ug/l	0.011	-	-		0.011	0.011	6																																			

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH943 14/040677/1	BH047R 15/00206/6	BH950R 15/00206/2	BH951R 14/07034/2	BH957 15/00171/4	BH958R 15/00171/6	BHRN1A 14/03836/3	RGM-BH1 14/07067/2	RGM-BH1 14/07071/2	RGM-BH13 14/06795/6	RGM-BH2 14/06795/1	RGM-BH4 14/06795/2	RGM-BH4A 14/06795/3	RGM-BH5 14/06795/4	RGM-BH6 14/07071/3	RGM-BH7 14/06795/5	RN1A 11/01911/2	RN1A 11/02226/1	RN1A 11/02988/20	RN1A TM176_3416	RN1A TM208_3416507	RGMBH2	RGMBH6	BH309R	BH310CP	BH523RD	BH524CP	BH524R	BH525CP	BH525R	RGMBH13	RGMBH1D	RGMBH1S	RGMBH4	RGMBH4A	RGMBH5
Acenaphthylene	ug/l	1				1	1	77	1						1													1														
Acenaphthene	ug/l	0.01				0.01	0.09	70	0.01						0.01											0.01																	
Acenaphthene	ug/l	0.015				0.015	0.015	6																																		
Acenaphthene	ug/l	1				1	1	77	1						1													1														
Aluminium (dissolved)	ug/l	2.9				2.9	6070	135																					25.4	1240	737	554	17	6070	415	4000	698	280	527	509	205	31.1	982
Aluminium (dissolved)	ug/l	10				10	465	45							10																											
Alkalinity by titration (bicarbonate)	mg/l CaCO3	2				2	490	226		210	80	145	95	260	69	490	295	145	195	75	165	260	80	210					160	70	190	205	65	245	315	90	220	85	365	335	80	155	210
Alkalinity (total)	mg/l CaCO3	2				23.5	3170	226		210	80	145	95	260	69	490	295	145	195	75	165	260	80	210					160	70	190	215	65	245	315	90	220	85	365	335	80	155	210
Alkalinity (total)	mg/l CaCO3	20				72	585	34																		206	268															
Ammoniacal nitrogen	mg/l	0.01	0.5			0.01	9.5	95		0.05	*0.01*	0.05	*0.01*	0.02	0.02	0.19	0.14	0.04	0.12	0.08	0.04	0.11	*0.01*	0.03																	
Ammoniacal nitrogen	mg/l	0.1	0.5			0.1	4.4	34																		0.1	0.1															
Ammoniacal nitrogen	mg/l	0.3	0.5			0.2	6.09	138																					*0.3*	*0.3*	*0.3*	*0.3*	*0.3*	3.97	*0.3*	0.482	*0.3*	*0.3*	0.56	0.444	*0.3*	0.346	0.303
Anthracene	ug/l	0.01		0.1	0.1	0.01	0.04	70	*0.01*						*0.01*											*0.01*																
Anthracene	ug/l	1		0.1	0.1	1	1	71	*1*						*1*													1														
Anthracene	ug/l	0.015		0.1	0.1	0.015	0.015	6																																		
Arsenic	ug/l	0.12	10	50	25	0.12	48.1	141																					0.215	2.88	0.592	0.775	1.09	48.1	1.67	2.52	2.16	0.711	26.2	12.8	0.5	0.441	1.56
Arsenic	ug/l	1	10	50	25	1	5	73	*1*						*1*																											
Beryllium (diss.filt)	ug/l	0.07				0.07	0.113	6																																		
Azobenzene	ug/l	1				1	1	10																				1														
Boron	ug/l	10				10	45	28	*28*																	37																
Bis(2-chloroethyl)ether	ug/l	1				1	1	73	*1*						*1*																											
Bis(2-chloroethoxy)methane	ug/l	1				1	1	77	*1*						*1*													1														
bis (2 - chloroethyl) ether	ug/l	1				1	1	4																				1														
Bis(2-chloroisopropyl)ether	ug/l	1				1	1	69	*1*						*1*																											
Bis(2-ethylhexyl)phthalate	ug/l	2		1.3	1.3	2	5	76	*2*						*2*													2														
Butylbenzyl phthalate	ug/l	1.5		7.5	0.75	2	2	1																																		
Butylbenzyl phthalate	ug/l	1		7.5	0.75	1	1	76	*1*						*1*													1														
Benzo(a)anthracene	ug/l	1				1	1	77	*1*						*1*													1														
Benzo(a)anthracene	ug/l	0.01				0.01	0.06	70	*0.01*						*0.01*											0.01																
Benzo(a)anthracene	ug/l	0.017				0.017	0.017	6																																		
Benzo(a)pyrene	ug/l	1		0.00017	0.00017	1	1	77	*1*						*1*													1														
Benzo(a)pyrene	ug/l	0.01		0.00017	0.00017	0.01	0.03	70	*0.01*						*0.01*											0.01																
Benzo(a)pyrene	ug/l	0.009		0.00017	0.00017	0.009	0.009	6																																		
Benzo(b)fluoranthene	ug/l	1		0.017	0.017	1	1	77	*1*						*1*													1														
Benzo(b)fluoranthene	ug/l	0.01		0.017	0.017	0.01	0.04	70	*0.01*						*0.01*											0.01																
Benzo(b)fluoranthene	ug/l	0.023		0.017	0.017	0.023	0.023	6																																		
Benzo(ghi)perylene	ug/l	2		0.0082	0.00082	2	2	1																																		
Benzo(ghi)perylene	ug/l	1		0.0082	0.00082	1	1	76	*1*						*1*													1														
Benzo(ghi)perylene	ug/l	0.01		0.0082	0.00082	0.01	0.01	70	*0.01*						*0.01*											0.01																
Benzo(ghi)perylene	ug/l	0.016		0.0082	0.00082	0.016	0.016	6																																		
Benzo(k)fluoranthene	ug/l	1		0.017	0.017	1	1	77	*1*						*1*													1														
Benzo(k)fluoranthene	ug/l	0.01		0.017	0.017	0.01	0.03	70	*0.01*						*0.01*											0.01																
Benzo(k)fluoranthene	ug/l	0.027		0.017	0.017	0.027	0.027	6																																		
BTEX - Benzene	ug/l	1.3	1	10	8	1.3	1.3	3																																		
BTEX - Benzene	ug/l	0.1	1	10	8	0.1	0.1	1																																		
BTEX - Benzene	ug/l	1	1	10	8	1	3	72	*1*						*1*													1														
BTEX - Benzene	ug/l	7	1	10	8	7	7	137																					*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*
Benzene VOC	ug/l	1				1	1	14																																		
Benzyl alcohol	ug/l	5				5	5	1																																		
BOD (settled, 5 day)	mg/l	1				1	30	34																		6	1															
Bromobenzene	ug/l	2				2	2	3																																		
Bromobenzene	ug/l	0.1				0.1	0.1	1																																		
Bromobenzene	ug/l	1				1	1	88	*1*						*1*																											
Bromochloromethane	ug/l	1.9				1.9	1.9	3																																		
Bromochloromethane	ug/l	0.1				0.1	0.1	1																																		
Bromochloromethane	ug/l	5				5	5	68	*5*						*5*																											
Bromochloromethane	ug/l	1				1	1	20																																		
Bromoform	ug/l	3				3	3	3																																		
Bromoform	ug/l	0.1				0.1	0.1	1																																		
Bromoform	ug/l	1				1	2	88	*2*						*1*																											
Bromomethane	ug/l	2				2	2	3																																		
Bromomethane	ug/l	1				1	1	88	*1*						*1*																											
Bromodichloromethane	ug/l	0.9				0.9	0.9	3																																		
Bromodichloromethane	ug/l	0.1				0.1	0.1	1																																		
Bromodichloromethane	ug/l	10				10	10	68	*10*						*10*																											
Bromodichloromethane	ug/l	1				1	1	20																																		
All >C5-C6	ug/l	1				1	13	72	*1*						*1*													1														
All >C5-C6	ug/l	10				10	10	6																																		
Aro >C5-C7	ug/l	1				1	3	72	*1*						*1*													1														
Aro >C5-C7	ug/l	10				10	10	6																																		
Total TPH Aliphatic and Aromatic C5-C35	ug/l	5	10			5	1270	23																					5														
Total Aliphatics	ug/l	5				5	2519	72	*5*						*5*													5														
Total Aliphatics	ug/l	10				10	84	6																																		
TPH (All & Aro)	ug/l	5	10			5	12202	66	*5*						*5*													5														
TPH (All & Aro)	ug/l	10	10			10	105	6																																		
Total Aromatics	ug/l	5				5	12002	72	*5*						*5*													5														
Total Aromatics	ug/l	10				10	21	6																																		
All >C6-C8	ug/l	1				1	8	72	*1*						*1*													1														
All >C6-C8	ug/l	10				10	10	6																																		
Aro >C7-C8	ug/l	1				1	77	72	*1*						*1*													1														
Aro >C7-C8	ug/l	10				10	10	6																																		
Aro >C8-C9	ug/l	1				1	62	72	*1*						*1*													1														
Aro >C8-C9	ug/l	10				10	10	6																																		
All >C8-C10	ug/l	1				1	74	72	*1*						*1*													1														
All >C8-C10	ug/l	10				10	10	6																																		
Aro >C9-C10	ug/l	1				1	7	72	*1*						*1*													1														
Aro >C9-C10	ug/l	10				10	10	6																																		
All >C10-C12	ug/l	5				5	5	72	*5*						*5*													5														
All >C10-C12	ug/l	10				10	10	6																																		
Aro >C10-C12	ug/l	5				5	62	72	*5*						*5*													5														
Aro >C10-C12	ug/l	10				10	10	6																																		
All >C12-C16	ug/l	5				5	61	72	*5*						*5*													5														
All >C12-C16	ug/l	10				10	10	6																																		
Aro >C12-C16	ug/l	5				5	64	72	*5*						*5*													5														
Aro >C12-C16	ug/l	10				10	10	6																																		
All >C16-C21	ug/l	5				5	343	72	*5*						*5*													5														
All >C16-C21	ug/l	10				10	24	6																																		
Aro >C16-C21	ug/l	5				5	11557	72	*5*						*5*													5														
Aro >C16-C21	ug/l	10				10	10	6																																		
All >C21-C35	ug/l	5				5	2469	72	*5*						*5*													5														
All >C21-C35	ug/l	10				10	60	6																																		
Aro >C21-C35	ug/l	5				5	1070	72	*5*						*5*													5														
Aro >C21-C35	ug/l	10				10	21	6																																		
Calcium (dissolved)	mg/l	1				1.77	474	270		78	25	48	35	86	22	102	93	50	97	31	65	136	35	68				60.3	84.9			73.1	26.9	63.5	68.5	8.37	117	82.3	27.3	102	34.3	84.4	94	23.2	54.2	89.4
Chlorobenzene	ug/l	3.5				3.5	3.5	3																					3.5														
Chlorobenzene	ug/l	0.1				0.1	0.1	1																																		
Chlorobenzene	ug/l	1				1	1	88	*1*						*1*																											
Carbazole	ug/l	1				1	1	77	*1*						*1*													1														
Cadmium	ug/l	0.05	5	0.15	0.2	0.05	0.12	45							0.05																											
Cadmium	ug/l	0.1	5	0.15	0.2	0.1	1.16	141																					*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	1.16	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	0.126
Cadmium	ug/l	1	5	0.15	0.2	1	1	28	*1*						*1*													1														
Carbon Disulphide	ug/l	1.3				1.3	1.3	3																					1.3														
Carbon Disulphide	ug/l	0.1				0.1	0.1	1																																		
Carbon Disulphide	ug/l	1				1	1	88	*1*						*1*																											
Chloroethane	ug/l	2.5				2.5	2.5	3																					2.5														
Chloroethane	ug/l	1				1	1	88	*1*						*1*																											
Chloroform	ug/l	1.8		2.5	2.5	1.8	1.8	3																					1.8														
Chloroform	ug/l	0.1		2.5	2.5	0.238	0.238	1																																		
Chloroform	ug/l	25		2.5	2.5	25	25	68	*25*						*25*																											
Chloroform	ug/l	1		2.5	2.5	1	1.06	20																																		
Chloride (w)	mg/l	1		250		20.64	285	266		31.53	20.64	26.48	38.92	53.8	69.94	52.42	49.67	64.92	217.04	47.62	70.72	153.96	37.84	40.03				45	46			159	40.9	49.5	37.9	28	77.2	99.8	48.3	70.6	73.9	48.6	49.3	46.6	70.6	93.8
COD (settled)	mg/l	6				6	65	34																		6	6															
Chloromethane	ug/l	9				9	9	3																					9														
Chloromethane	ug/l	0.5				0.5	0.5	1																																		
Chloromethane	ug/l	1				1	1	88	*1*						*1*																											
Cobalt	ug/l	0.06				0.06	39.3	135																					0.23	2.65	2.49	0.784	*0.06*	21.6	1.78	7.29	15.1	39.3	1.21	1.99	0.674	0.304	2.54
Cobalt	ug/l	1				1	44	73	*1*						*1*													1														

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH943 14/040677/1	BH047R 15/00206/6	BH950R 15/00206/2	BH951R 14/07034/2	BH957 15/00171/4	BH958R 15/00171/6	BHRN1A 14/03836/3	RGM-BH1 14/07067/2	RGM-BH1 14/07071/2	RGM-BH13 14/06795/6	RGM-BH2 14/06795/1	RGM-BH4 14/06795/2	RGM-BH4A 14/06795/3	RGM-BH5 14/06795/4	RGM-BH6 14/07071/3	RGM-BH7 14/06795/5	RN1A 15/01911/2	RN1A 11/02226/1	RN1A 11/02988/20	RN1A TM176_3416	RN1A TM208_3416507	RGMBH2 02-Mar-15	RGMBH6 02-Mar-15	BH309R 03-Mar-15	BH310CP 03-Mar-15	BH523RD 03-Mar-15	BH524CP 03-Mar-15	BH524R 03-Mar-15	BH525CP 03-Mar-15	BH525R 03-Mar-15	RGMBH13 03-Mar-15	RGMBH1D 03-Mar-15	RGMBH1S 03-Mar-15	RGMBH4 03-Mar-15	RGMBH4A 03-Mar-15	RGMBH5 03-Mar-15
Electrical conductivity	uS/cm	10	2500			15.6	18600	260		481	220	365	352	617	420	676	608	466	997	338	518	1100	294	497		547	543			791	277	513	493	212	751	629	313	601	396	686	707	313	517	806
Chromium	ug/l	1	50	4.7		0.492	103	214	*1*						*1*										*1*					1.1	7.68	4.18	4.8	1.24	9.8	9.38	4.91	9.8	1.14	4.23	4.54	1.14	1.68	4.58
Chromium (tot.unfilt)	ug/l	3	50	4.7		3	3	6																																			
Chromium, Hexavalent	mg/l	0.03				0.03	0.03	6																																			
Chrysene	ug/l	1				1	1	77	*1*						*1*													*1*														
Chrysene	ug/l	0.01				0.01	0.11	70	*0.01*						*0.01*										*0.01*																		
Chrysene	ug/l	0.013				0.013	0.013	6																																			
Carbon Tetrachloride	ug/l	1.4		12	12	1.4	1.4	3																					*1.4*														
Carbon Tetrachloride	ug/l	0.1		12	12	0.1	0.1	1																																			
Carbon Tetrachloride	ug/l	1		12	12	1	93	88	*1*						*1*																												
Copper	ug/l	0.85		1		0.85	134	141																						37.9	13.1	33.9	7.65	1.3	33.9	7.53	20	33.9	20	4.3	3.43	4.55	2.1	3.9
Copper	ug/l	1		1		1	239	73	*1*						*1*										*1*																	
Cyanide, Free	mg/l	0.05				0.05	0.05	6																																			
Cyanide, Total	mg/l	0.05				0.05	0.05	6																																			
Dibenzofuran	ug/l	1	2000	1	3.76	1	1	77	*1*						*1*													*1*														
Dichlorodifluoromethane	ug/l	7				7	7	3																					*7*														
Dichlorodifluoromethane	ug/l	1				1	1	82	*1*						*1*																											
Diethyl phthalate	ug/l	1				1	1	77	*1*						*1*													*1*														
Dibenzo(ah)anthracene	ug/l	1.5				2	2	1																																			
Dibenzo(ah)anthracene	ug/l	1				1	1	76	*1*						*1*													*1*														
Dibenzo(ah)anthracene	ug/l	0.01				0.01	0.01	70	*0.01*						*0.01*										*0.01*																		
Dibenzo(ah)anthracene	ug/l	0.016				0.016	0.016	6																																			
Dibromochloromethane	ug/l	1.7				1.7	1.7	3																					*1.7*														
Dibromochloromethane	ug/l	0.1				0.1	0.1	1																																			
Dibromochloromethane	ug/l	3				1	9	88	*3*						*3*																											
Dibromochloromethane	ug/l	1				1	1	20																																			
Dibromomethane	ug/l	2.7				2.7	2.7	3																					*2.7*														
Dibromomethane	ug/l	0.1				0.1	0.1	1																																			
Dibromomethane	ug/l	1				1	1	88	*1*						*1*																											
Dichloromethane VOC	ug/l	3.7		20	20	3.7	3.7	3																					*3.7*														
Dichloromethane VOC	ug/l	0.5		20	20	0.5	0.5	1																																			
Dichloromethane VOC	ug/l	5		20	20	5	20	19	20																																		
Dichloromethane VOC	ug/l	20		20	20	20	20	49							20																												
Dimethyl phthalate	ug/l	1				1	9	77	*1*						*1*													*1*														
Di-isopropylamine	ug/l	1				1	1	1																																			
Total Dissolved Solids	mg/l	10				103	2540	223		304	128	276	231	432	204	411	409	327	728	312	392	982	189	354						571	194	334	348	210	501	400	239	384	279	449	457	225	338	594
Total Dissolved Solids	mg/l	20				210	5510	34																			354	533																
Total Suspended Solids	mg/l	1				2	29500	131																						25.8	445	453	125	4.49	4350	793	1240	5080	32.9	1330	3080	164	66.9	870
n-Dibutylphthalate	ug/l	1				1	1	77	*1*						*1*													*1*														
n-Dioctylphthalate	ug/l	2				2	2	1																																			
n-Dioctylphthalate	ug/l	5				5	448	76	*5*						*5*													*5*														
Ethyl tert-butyl ether	ug/l	0.1				0.1	0.1	1																																			
BTEX - Ethyl Benzene	ug/l	2.5		20	20	2.5	2.5	3																					*2.5*														
BTEX - Ethyl Benzene	ug/l	0.1		20	20	0.1	0.1	1																																			
BTEX - Ethyl Benzene	ug/l	1		20	20	1	11	72	*1*						*1*										*1*																	
BTEX - Ethyl Benzene	ug/l	5		20	20	1	5	137																						*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
Ethyl Benzene VOC	ug/l	1				1	1	20																																			
Iron (dissolved)	ug/l	10	200	1000	1000	10	8685	59		18	*10*		*10*	18														11															
Iron (dissolved)	mg/l	0.019	0.2	1	1	0.019	54.2	135																						*0.019*	1.66	0.924	1.08	0.0284	54.2	1.53	4.82	41.8	0.386	3.46	3.49	0.226	0.0207	0.897
Ferrous iron FeII	mg/l	0.1	0.2	1	1	0.1	2.2	129		*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*															
Ferric iron FeIII	mg/l	0.1	0.2	1	1	0.1	6.67	129		*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	0.5	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*		*0.1*	*0.1*															
Fluorene	ug/l	0.01				0.01	0.14	70	*0.01*						*0.01*										*0.01*																		
Fluorene	ug/l	1				1	1	77	*1*						*1*													*1*														
Fluorene	ug/l	0.014				0.014	0.014	6																																			
Fluoranthene	ug/l	1		0.0063	0.0063	1	1	77	*1*						*1*													*1*														
Fluoranthene	ug/l	0.01		0.0063	0.0063	0.01	0.44	70	0.08						*0.01*										*0.01*																		
Fluoranthene	ug/l	0.017		0.0063	0.0063	0.017	0.017	6																																			
Hexachlorocyclopentadiene	ug/l	1.5				2	2	1																																			
Hexachlorocyclopentadiene	ug/l	1				1	1	76	*1*						*1*													*1*														
Hexachloroethane	ug/l	1				1	1	9																					*1*														
Hexachloroethane	ug/l	2				0.5	2	2																																			
Hexachloroethane	ug/l	1				1	1	67	*1*						*1*																											
Hexachlorobenzene	ug/l	1				1	1	77	*1*						*1*													*1*														
Hexachlorobutadiene	ug/l	2.5				2.5	2.5	3																					*2.5*														
Hexachlorobutadiene	ug/l	1.5				0.5	2	2																																			
Hexachlorobutadiene	ug/l	1				1	1	92	*1*						*1*													*1*														
Mercury	ug/l	0.01	1	0.07	0.07	0.01	0.0362	140																						*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.0215
Mercury	ug/l	0.05	1	0.07	0.07	0.05	2.45	45							4.64																												
Mercury	ug/l	0.1	1	0.07	0.07	0.1	39.1	28	*0.1*																*0.1*																		
Indeno(123-cd)pyrene	ug/l	1.5				2	2	1																																			
Indeno(123-cd)pyrene	ug/l	1				1	1	76	*1*						*1*													*1*														
Indeno(123-cd)pyrene	ug/l	0.01				0.01	0.01	70	*0.01*						*0.01*										*0.01*																		
Indeno(123-cd)pyrene	ug/l	0.014				0.014	0.014	6																																			
Isopropylbenzene	ug/l	1.4				1.4	1.4	3																					*1.4*														
Isopropylbenzene	ug/l	0.1				0.1	0.1	1																																			
Isopropylbenzene	ug/l	1				1	3	88	*1*						*1*																											
Isophorone	ug/l	1				1	1	9																					*1*														
Isophorone	ug/l					1	1	1																																			
Isophorone	ug/l	1				1	1	67	*1*						*1*																											
Potassium	mg/l	0.1				0.5	110	175		0.9	0.7	1.6	10.3	1.5	0.9	3.8	4.9	3.7	5.4	4.2	1.7	38.8	1.3	1.9																		
Potassium	mg/l	1				1	843	175																						4.04	1	1.07	3.3	1.35	32.7	1.03	5.91	2.13	4.19	2.91	2.35	3.34	1.15	58.4
Magnesium (dissolved)	mg/l	0.036				0.036	54.8	141																						17.6	7.31	9.85	13.7	9.23	25.2	13.8	7.08	13.1	6.52	19.9	21.4	6.17	8.26	10.8
Magnesium (dissolved)	mg/l	1				1	88.6	129		12	7	10	9	16	11	22	19	8	25	7	10	19	8	13		11.8	7.9															
Manganese	ug/l	1	50	123		0.096	9400	291	37	253	5	128	37	347	2	523	2144	77	4418	168	1083	4958	34	1243	56	23	7			463	348	659	579	37.9	2019	122	847	5589	75.1	785	689	93.9	2670	7509
Molybdenum	ug/l	0.24				0.24	33.9	135	3																					0.482	0.427	0.402	0.24	0.769	0.24	0.333	0.24	0.347	0.392	1.32	0.632	0.24	0.348	0.24
Molybdenum	ug/l	0.5				0.5	59.2	73	3						0.5										0.5																	
MTBE	ug/l	1.6				1.6	1.6	3																					*1.6*														
MTBE	ug/l	0.1				0.1	0.1	1																																			
MTBE	ug/l	1				1	1	78	*1*						*1*										*1*																	
MTBE	ug/l	3				3	3	131																						*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*
BTEX - m & p Xylene	ug/l	2.5				2.5	2.5	3																					*2.5*														
BTEX - m & p Xylene	ug/l	0.2				0.2	0.2	1																																			
BTEX - m & p Xylene	ug/l	1				1	37	72	*1*						*1*										*1*																	
BTEX - m & p Xylene	ug/l	8				1	8	137																						*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*
m & p Xylene VOC	ug/l	1				1	1	20																																			
Sodium	mg/l	0.5				1.61	825	236		24.3	17	31.3	24.1	35.4	50.3	35.6	36.1	34.5	75	28.1	37.9	53.8	23.1	29.4						59	20.2	34.4	23.1	20.1	40.4	42.5	28	40.4	37	33.5	31.4	22.3	33.3	33.3
Sodium	mg/l	1				24.3	1250	34																			37.4	47.6																
Naphthalene1 -methyl-.	ug/l	1				1	1	1																																			
Naphthalene	ug/l	3.5		2.4	2.4	3.5	3.5	3																					*3.5*														
Naphthalene	ug/l	0.5		2.4	2.4	0.5	1	2																																			
Naphthalene	ug/l	1		2.4	2.4	1	1	76	*1*						*1*													*1*														
Naphthalene	ug/l	0.01		2.4	2.4	0.01	0.68	70	*0.01*						*0.01*										*0.01*																		
Naphthalene	ug/l	0.1		2.4	2.4	0.1	0.1	6																																			
n-Butylbenzene	ug/l	2				2	2	3																					*2*														
n-Butylbenzene	ug/l	0.1				0.1	0.1	1																																			
n-Butylbenzene	ug/l	1				1	1	88	*1*						*1*																											
Nickel	ug/l	0.15	20	4	8.6	0.15	48.9	141																						1.98	4.29	3.68	2.12	1.98	48.9	3.07	6.79	24.8	36.9	2.86	3.49	1.3	1.52	3.68
Nickel	ug/l	1	20	4	8.6	1	56	73	*1*						*1*										*1*																	
Nitrite as N	mg/l	0.02	11.3			0.015	2.840463636	132																						*0.02*	*0.02*	*0.02*	*0.02*	0.79952	*0.02*	0.055936	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.01824	0.021888	*0.02*
Nitrite as N	mg/l	0.03	11.3			0.03	0.71	94		*0.03*	*0.03*	*0.03*	*0.03*	0.04	*0.03*	*0.03*	0.04	*0.03*	*0.03*	*0.03*	0.06	0.04	*0.03*	0.05																		
Nitrite as N	mg/l	0.1	11.3			0.1	0.3	34																						*0.1*	*0.1*													
Nitrate as N	mg/l	0.07	11.3			0.06	40.4361	138																						1.74698	1.63172	5.311	0.62376	1.36504	3.4804	4.407	6.554	4.5652	1.9097	*0.07*	*0.07*	5.8986	0.34578	14.464
Nitrate as N	mg/l	0.11	11.3			0.11	16.73	94		0.89	0.39	0.62	0.28	0.61	4.95	*0.11*	*0.11*	0.85	1.71	4.95	0.6	16.73	0.69	2.87																		
Nitrate as N	mg/l	0.5	11.3			0.6	47.8	34																						7.9	9													
Nitrobenzene	ug/l	1				1	1	77	*1*						*1*													*1*														
Nitrogen (kjeldahl)	mg/l	0.1				0.2	8.4	93		0.6	0.5	1.3	1.1	1.1	0.8	1.9	3.7	1	1.6	1.3	1.2	0.8	2	1.2																		
n-Nitroso-n-dipropylamine	ug/l	1				1	1	71	*1*						*1*													*1*														
n-Propylbenzene	ug/l	0.1				0.1	0.1	1																																			
n-Propylbenzene	ug/l	1				1	2	74	*1*						*1*																											
Nitrogen, Total	mg/l	0.5				0.5	17.6	93		1.5	0.5	2.1	1.1	1.7	5.8	1.9	3.7	1.9	3.3	6.3	1.9	17.6	2.7	4.1																		
BTEX - o Xylene	ug/l	1.7		30	30	1.7	1.7	3																					*1.7*														
BTEX - o Xylene	ug/l	0.1		30	30	0.1	0.1	1																																			
BTEX - o Xylene	ug/l	1		30	30	1	14	72	*1*						*1*										*1*																	
BTEX - o Xylene	ug/l	3		30	30	1	3	137																						*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*
oXylene VOC	ug/l	1				1	1	20																																			
Total PAH	ug/l	0.01				0.01	1.57	70	0.04						*0.01*										*0.01*																	
Lead	ug/l	0.02	10	1.2	1.3	0.02	88.9	141																						0.296	8.79	4.64	0.136	0.111	88.9	4.14	16.8	3.84	0.741	2.68	3.84	0.707	0.419	3.84

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH943	BH047R	BH950R	BH951R	BH957	BH958R	BHRN1A	RGM-BH1	RGM-BH1	RGM-BH13	RGM-BH2	RGM-BH4	RGM-BH4A	RGM-BH5	RGM-BH6	RGM-BH7	RN1A	RN1A	RN1A	RN1A	RN1A	RGMBH2	RGMBH6	BH309R	BH310CP	BH523RD	BH524CP	BH524R	BH525CP	BH525R	RGMBH13	RGMBH1D	RGMBH1S	RGMBH4	RGMBH4A	RGMBH5
									14/04067/1	15/00206/6	15/00206/2	14/07034/2	15/00171/4	15/00171/6	14/03816/3	14/07067/2	14/07071/2	14/06795/6	14/06795/1	14/06795/2	14/06795/3	14/06795/4	14/07071/3	14/06795/5	11/01911/2	11/02226/1	11/02988/20	TM176_3416	TM208_3416507															
									DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	DOnGl	IOnGl	IOnGl	IOnGl	IOnGl	IOnGl	02-Mar-15	02-Mar-15	03-Mar-15	03-Mar-15	03-Mar-15	03-Mar-15	03-Mar-15	03-Mar-15	03-Mar-15	03-Mar-15	03-Mar-15	03-Mar-15	03-Mar-15	03-Mar-15
Lead	ug/l	1	10	1.2	1.3	1	43	73	*1*						*1*											*1*																	
Paclobutrazol	ug/l	2.6	-	-		2.6	2.6	3																					*2.6*															
Perylene	ug/l	1	-	-		1	1	73	*1*						*1*																													
Phenol SVOC	ug/l	3	-	-		3	3	1																																				
Phenol SVOC	ug/l	1	-	-		1	4	76	*1*						*1*													*1*																
Phosphorus, (total)	ug/l	100	-	-		100	100	34																			*100*	*100*																
Phosphorus, (total)	ug/l	100	-	-		100	2030	96		*100*	*100*	*100*	*100*	*100*	*100*	435	258	*100*	*100*	*100*	*100*	*100*	*100*	*100*																			
pH	pH	0.01	5.5 - 9.5	6 - 9		5.98	12.59	232		7.12	6.53	6.84	6.53	7.53	7.47	7.24	7.54	7.74	7.77	7.13	7.85	7.42	6.44	7.98						7.42	7.02	7.67	7.16	7.5	7.72	7.86	7.02	7.41	7.9	7.83	7.66	6.96	8.01	7.35
pH	pH	0.1	5.5 - 9.5	6 - 9		6.6	13.1	38																				6.6	8.3	8													
Pentachlorophenol	ug/l	1	-		0.4	0.4	1	1	77	*1*						*1*													*1*															
Phenanthrene	ug/l	0.01	-	-			0.01	0.35	70	*0.01*						*0.01*																													
Phenanthrene	ug/l	1	-	-			1	1	77	*1*						*1*													*1*															
Phenanthrene	ug/l	0.022	-	-			0.022	0.022	6																																			
Pyrene	ug/l	0.01	-	-			0.01	0.41	70	*0.01*						*0.01*																													
Pyrene	ug/l	1	-	-			1	1	77	*1*						*1*													*1*															
Pyrene	ug/l	0.015	-	-			0.015	0.015	6																																			
Antimony (dissolved)	ug/l	0.16	5	-			0.16	6.63	135																					2.83	1.13	0.615	0.272	1.69	0.337	0.216	0.329	*0.16*	1.19	1.98	0.687	0.172	3.48	0.341
Antimony (dissolved)	ug/l	1	5	-			1	4	49						*1*											*1*																	
Selenium	ug/l	0.39	10	-			0.39	9.72	141																					1.52	*0.39*	0.581	1.08	1.72	3.2	1.84	0.726	*0.39*	2.1	1.77	1.18	0.597	0.719	2.22
Selenium	ug/l	1	10	-			1	4	73	*1*					*1*											*1*																	
sec-Butylbenzene	ug/l	1.7	-	-			1.7	1.7	3																				*1.7*															
sec-Butylbenzene	ug/l	0.1	-	-			0.1	0.1	1																																			
sec-Butylbenzene	ug/l	1	-	-			1	1	88	*1*					*1*																													
Styrene	ug/l	1.2	-	-	50	50	1.2	1.52	3																				1.52															
Styrene	ug/l	0.5	-		50	50	0.5	0.5	1																																			
Styrene	ug/l	1	-		50	50	1	1	88	*1*					*1*																													
Sulphate	mg/l	1	250	-			1	384	132		21	8	16	39	36	31	38	34	22	32	20	27	67	19	23	30	24	34																
Sulphate	mg/l	2	250	-			2	226	138																					22.3	15.5	23.5	24.7	7.9	72.3	44.7	17.7	28.4	21.9	22.2	26.4	15	27.4	62.5
Sulphide	mg/l	0.01	-	-			0.01	0.01	6																																			
Sulphur, Free	mg/l	0.05	-	-			0.05	0.15	6																																			
trans 1,2-Dichloroethene	ug/l	1.9	-	-			1.9	1.9	3																				*1.9*															
trans 1,2-Dichloroethene	ug/l	0.1	-	-			0.1	0.1	1																																			
trans 1,2-Dichloroethene	ug/l	1	-	-			1	1	88	*1*					*1*																													
trans 1,3-Dichloropropene	ug/l	3.5	-	-			3.5	3.5	3																				*3.5*															
trans 1,3-Dichloropropene	ug/l	0.5	-	-			0.5	0.5	1																																			
trans 1,3-Dichloropropene	ug/l	1	-	-			1	1	88	*1*					*1*																													
tert-Amyl methyl ether	ug/l	1	-	-			1	1	9																				*1*															
tert-Amyl methyl ether	ug/l	0.1	-	-			0.1	0.1	1																																			
Trichlorofluoromethane	ug/l	1.3	-	-			1.3	1.3	3																				*1.3*															
Trichlorofluoromethane	ug/l	0.1	-	-			0.1	0.1	1																																			
Trichlorofluoromethane	ug/l	1	-	-			1	1	88	*1*					*1*																													
tert-Butylbenzene	ug/l	2	-	-			2	2	3																				*2*															
tert-Butylbenzene	ug/l	0.1	-	-			0.1	0.1	1																																			
tert-Butylbenzene	ug/l	2	-	-			2	2	68	*2*					*2*																													
tert-Butylbenzene	ug/l	1	-	-			1	1	20																																			
Tetrachloroethene	ug/l	1.5	-		10	10	1.5	1.5	3																				*1.5*															
Tetrachloroethene	ug/l	0.1	-		10	10	0.1	0.1	1																																			
Tetrachloroethene	ug/l	1	-		10	10	1	5	88	*1*						*1*																													
Hardness Total	mg/l CaCO3	2	-	-			18	1183	135		241	90	163	124	281	112	346	310	157	347	108	201	417	121	223		226	245																	
BTEX - Toluene	ug/l	1	-	-			1	77	72	*1*						*1*										*1*																	
BTEX - Toluene	ug/l	1.4	-	-			1.4	1.4	3																				*1.4*															
BTEX - Toluene	ug/l	0.1	-	-			0.1	0.1	1																																			
BTEX - Toluene	ug/l	1	-	-			1	37	68	*1*						*1*																													
BTEX - Toluene	ug/l	4	-	-			4	7	137																					*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*
Toluene VOC	ug/l	1	-	-			1	7.9	14																																			
Nitrogen, Total Oxidised TOxN	mg/l	0.5	-	-			0.5	16.78	127		0.9	*0.5*	0.62	*0.5*	0.64	4.95	*0.5*	*0.5*	0.86	1.73	4.97	0.67	16.78	0.69	2.92		1.79	2.04																	
Trichloroethene	ug/l	2.5	10	10	10		2.5	2.5	3																				*2.5*															
Trichloroethene	ug/l	0.1	10	10	10		0.1	0.1	1																																			
Trichloroethene	ug/l	1	10	10	10		1	56.6	88	*1*						*1*																													
Vinyl Chloride	ug/l	1.2	-	-			1.2	1.2	3																				*1.2*															
Vinyl Chloride	ug/l	0.1	-	-			0.1	0.1	1																																			
Vinyl Chloride	ug/l	1	-	-			1	1	88	*1*						*1*																													
Zinc	ug/l	0.41	5000	13.9	9.8		0.41	145	141																					1.72	19.8	12.1	5.4	3.58	90.4	12.2	170	46.8	3.95	7.41	5.39	1.18	1.1	13.7
Zinc	ug/l	1	5000	13.9	9.8		1	194	73	*1*						*1*												*4*																
EPH (C6-C10)	ug/l	100	-	-			100	100	131																					*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
GRO >C5-C10	ug/l	10	-	-			10	50	137																					*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
EPH Range >C10 C40 (aq)	ug/l	46	-	-			46	668	31																					*46*	56.3	160	*46*	*46*	48.6	85.6	*46*	*46*	*46*	*46*	74.9	*46*	*46*	211
Total EPH (C6C40) (aq)	ug/l	100	10	-			100	3540	129																					*100*	*100*	160	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	211

Note: Groundwater data has been compiled from a mixture of AGS and Laboratory Cross-tabs reports. In order to aid assessment, less than symbols (<) have been removed from the data. Reference should be made to the original data contained within the factual reports (refer to the text of the Jacobs Risk Assessment and Remediation Strategy for further details).

Where determinands are reported multiple times these represent the different unit and limit of detection (LOD) combinations present within the original data.

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH309CP	BH310R1	BH310R2	BH526CP	BH526RS	BH535CP	BH535R	BH312	BH313	BH314	BH314 Filtered	BH509CP	BH509CP Filtered	BH512CP	BH512R	BH516A	BH516A Filtered	BH518R	BH536R	RGMBH1D	RGMBH1S	RGMBH2	RGMBH6	BH312	BH313	BH314	BH509CP	BH512CP	BH512R	BH516A	BH518R	BH536R
									04-Mar-15	04-Mar-15	04-Mar-15	04-Mar-15	04-Mar-15	04-Mar-15	04-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	08-Jun-15	08-Jun-15	08-Jun-15	08-Jun-15	09-Jun-15	09-Jun-15	09-Jun-15	09-Jun-15	09-Jun-15	09-Jun-15	09-Jun-15	09-Jun-15	09-Jun-15
1,1,1,2-Tetrachloroethane	ug/l	1.3	-	140		1.3	1.3	3																															
1,1,1,2-Tetrachloroethane	ug/l	0.1	-	140		0.1	0.1	1																															
1,1,1,2-Tetrachloroethane	ug/l	1	-	140		1	1	88																								1	1	1						
1,1,1-Trichloroethane	ug/l	1.3	-	100	100	1.3	1.92	3																															
1,1,1-Trichloroethane	ug/l	0.1	-	100	100	1.16	1.16	1																															
1,1,1-Trichloroethane	ug/l	1	-	100	100	1	22	88																								1	1	1						
1,1,2,2-Tetrachloroethane	ug/l	5.2	-	-		5.2	5.2	3																															
1,1,2,2-Tetrachloroethane	ug/l	0.1	-	-		0.1	0.1	1																															
1,1,2,2-Tetrachloroethane	ug/l	1	-	-		1	1	88																								1	1	1						
1,1,2-Trichloroethane	ug/l	2.2	-	400	300	2.2	2.2	3																															
1,1,2-Trichloroethane	ug/l	0.1	-	400	300	0.1	0.1	1																															
1,1,2-Trichloroethane	ug/l	1	-	400	300	1	1	88																								1	1	1						
1,1-Dichloropropene	ug/l	1.3	-	-		1.3	1.3	3																															
1,1-Dichloropropene	ug/l	0.1	-	-		0.1	0.1	1																															
1,1-Dichloropropene	ug/l	1	-	-		1	1	88																								1	1	1						
1,1-Dichloroethane	ug/l	1.2	-	10	10	1.2	1.2	3																															
1,1-Dichloroethane	ug/l	0.1	-	10	10	0.1	0.1	1																															
1,1-Dichloroethane	ug/l	1	-	10	10	1	8	88																								1	1	1						
1,1-Dichloroethene	ug/l	1.2	-	-		1.2	1.2	3																															
1,1-Dichloroethene	ug/l	0.1	-	-		0.1	0.1	1																															
1,1-Dichloroethene	ug/l	1	-	-		1	33	88																								1	1	1						
1,2,3-Trichlorobenzene	ug/l	3.1	-	0.4	0.4	3.1	3.1	3																															
1,2,3-Trichlorobenzene	ug/l	0.5	-	0.4	0.4	0.5	0.5	1																															
1,2,3-Trichlorobenzene	ug/l	3	-	0.4	0.4	3	3	68																															
1,2,3-Trichlorobenzene	ug/l	1	-	-		1	1	20																								1	1	1						
1,2,3-Trichloropropane	ug/l	7.8	-	-		7.8	7.8	3																															
1,2,3-Trichloropropane	ug/l	0.5	-	-		0.5	0.5	1																															
1,2,3-Trichloropropane	ug/l	1	-	-		1	1	88																								1	1	1						
1,2,3-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																															
1,2,4-Trichlorobenzene	ug/l	1	-	-		1	1	3																															
1,2,4-Trichlorobenzene	ug/l	2.3	-	-		2.3	2.3	3																															
1,2,4-Trichlorobenzene	ug/l	0.5	-	-		0.5	1	2																															
1,2,4-Trichlorobenzene	ug/l	1	-	-		1	1	27																								1	1	1						
1,2,4-Trichlorobenzene	ug/l	3	-	-		3	3	68																															
1,2,4-Trimethylbenzene	ug/l	1.7	-	-		1.7	1.7	3																															
1,2,4-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																															
1,2,4-Trimethylbenzene	ug/l	1	-	-		1	1	88																								1	1	1						
1,2-Dibromo-3-chloropropane	ug/l	9.8	-	-		9.8	9.8	3																															
1,2-Dibromo-3-chloropropane	ug/l	0.1	-	-		0.1	0.1	1																															
1,2-Dibromo-3-chloropropane	ug/l	2	-	-		2	2	68																															
1,2-Dibromo-3-chloropropane	ug/l	1	-	-		1	1	20																								1	1	1						
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	23																								1	1	1						
1,2-Dichlorobenzene	ug/l	3.7	-	-		3.7	3.7	3																															
1,2-Dichlorobenzene	ug/l	0.1	-	-		0.1	0.1	1																															
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	8																															
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	68																															
1,2-Dichloroethane	ug/l	3.3	-	-		3.3	3.3	3																															
1,2-Dichloroethane	ug/l	0.1	-	-		0.1	0.1	1																															
1,2-Dichloroethane	ug/l	2	-	-		2	2	68																															
1,2-Dichloroethene	ug/l	1	-	-		1	1	20																								1	1	1						
cis 1,2-Dichloroethene	ug/l	2.3	-	-		2.3	2.3	3																															
cis 1,2-Dichloroethene	ug/l	0.1	-	-		0.1	0.1	1																															
cis 1,2-Dichloroethene	ug/l	1	-	-		1	3.81	88																								2.67	1	1						
1,2-Dibromoethane	ug/l	2.3	-	-		2.3	2.3	3																															
1,2-Dibromoethane	ug/l	0.1	-	-		0.1	0.1	1																															
1,2-Dibromoethane	ug/l	1	-	-		1	2	89																								1	1	1						
1,2-Dichloropropane	ug/l	3	-	-		3	3	3																															
1,2-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																															
1,2-Dichloropropane	ug/l	1	-	-		1	2	88																								1	1	1						
1,3,5- Trichlorobenzene	ug/l	10	-	-		10	10	3																															
1,3,5- Trichlorobenzene	ug/l	0.5	-	-		0.5	0.5	1																															
1,3,5-Trimethylbenzene	ug/l	1.8	-	-		1.8	1.8	3																															
1,3,5-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																															
1,3,5-Trimethylbenzene	ug/l	1	-	-		1	2	88																								1	1	1						
1,3,5-Trichlorobenzene	ug/l	1	-	-		1	1	6																															
1,3-Dichlorobenzene	ug/l	1	-	-		1	1	3																															
1,3-Dichlorobenzene	ug/l	2.2	-	-		2.2	2.2	3																															
1,3-Dichlorobenzene	ug/l	0.5	-	-		0.5	0.5	1																															
1,3-Dichlorobenzene	ug/l	1	-	-		1	1	90																								1	1	1						
cis 1,3-Dichloropropene	ug/l	1.9	-	-		1.9	1.9	3																															
cis 1,3-Dichloropropene	ug/l	0.1	-	-		0.1	0.1	1																															
cis 1,3-Dichloropropene	ug/l	1	-	-		1	1	88																								1	1	1						
1,3-Dinitrobenzene	ug/l	1	-	-		1	1	1																															
1,3-Dichloropropane	ug/l	2.2	-	-		2.2	2.2	3																															
1,3-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																															
1,3-Dichloropropane	ug/l	1	-	-		1	1	88																								1	1	1						
1,4-Dichlorobenzene	ug/l	2.7	20	20		2.7	2.7	3																															
1,4-Dichlorobenzene	ug/l	0.1	20	20		0.1	3	2																															
1,4-Dichlorobenzene	ug/l	1	20	20		1	1	73																															
1,4-Dinitrobenzene	ug/l	1	-	-		1	1	1																															
2,2-Dichloropropane	ug/l	3.8	-	-		3.8	3.8	3																															
2,2-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																															
2,2-Dichloropropane	ug/l	1	-	-		1	1	88																								1	1	1						
2,3,4,6- Tetrachlorophenol	ug/l	1	-	-		1	1	1																															
2,4,5-Trichlorophenol	ug/l	1	-	-		1	1	77																															
2,4,6-Trichlorophenol	ug/l	1	-	-		1	1	77																															
2,4-Dichlorophenol	ug/l	1	4.2	0.42		1	1	77																															
2,4-Dimethylphenol	ug/l	1	-	-		1	1	77																															
2,4-Dinitrophenol	ug/l	1	-	-		1	1	67																															
2,4-Dinitrotoluene	ug/l	1	-	-		1	1	77																															
2,6-Dinitrotoluene	ug/l	1	-	-		1	1	77																															
2-Chloronaphthalene	ug/l	1	-	-		1	1	77																															
2-Chlorophenol	ug/l	1	-	-		1	1	77																															
2-Chlorotoluene	ug/l	1.9	-	-		1.9	1.9	3																															
2-Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																															
2-Chlorotoluene	ug/l	1	-	-		1	2	88																								1	1	1						
2-Methylnaphthalene	ug/l	1	-	-		1	1	77																															
2-Methylphenol	ug/l	1	-	-		1	1	76																															
2- Nitroaniline	ug/l	1	-	-		1	1	10																															
2-Nitrophenol	ug/l	1	-	-		1	1	77																															
3,4-Methylphenol	ug/l	1	-	-		1	1	1																															
3- Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																															
3- Nitroaniline	ug/l	1	-	-		1	1	9																															
3,4-Nitroaniline	ug/l	2	-	-		2	2	1																															
4,6-Dinitro-2-methylphenol	ug/l	1	-	-		1	1	67																															
4-Bromophenyl phenyl ether	ug/l	1	-	-		1	1	77																															
4-Chloro-3-methylphenol	ug/l	1	-	-		1	1	73																															
4 - Chloro - 3 - Methlphenol	ug/l	1	-	-		1	1	4																															
4- Chloroaniline	ug/l	1	-	-		1	1	10																															
4- Chlorophenyl phenyl ether	ug/l	1	-	-		1	1	10																															
4-Chlorotoluene	ug/l	1.9	-	-		1.9	1.9	3																															
4-Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																															
4-Chlorotoluene	ug/l	1	-	-		1	2	88																								1	1	1						
4-Isopropyltoluene	ug/l	2.6	-	-		2.6	2.6	3																															
4-Isopropyltoluene	ug/l	0.1	-	-		0.1	0.1	1																															
4-Isopropyltoluene	ug/l	1	-	-		1	1	82																								1	1	1						
4-Methylphenol	ug/l	1	-	-		1	1	76																															
4- Nitroaniline	ug/l	1	-	-		1	1	9																															
4-Nitrophenol	ug/l	1	-	-		1	1	76																															
Acenaphthylene	ug/l	0.01	-	-		0.01	0.01	70																															
Acenaphthylene	ug/l	0.011	-	-		0.011	0.011	6																															

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH309CP 04-Mar-15	BH310R1 04-Mar-15	BH310R2 04-Mar-15	BH526CP 04-Mar-15	BH526RS 04-Mar-15	BH535CP 04-Mar-15	BH535R 04-Mar-15	BH312 05-Mar-15	BH313 05-Mar-15	BH314 05-Mar-15	BH314 Filtered 05-Mar-15	BH509CP 05-Mar-15	BH509CP Filtered 05-Mar-15	BH512CP 05-Mar-15	BH512R 05-Mar-15	BH516A 05-Mar-15	BH516A Filtered 05-Mar-15	BH518R 05-Mar-15	BH536R 05-Mar-15	RGMBH1D 08-Jun-15	RGMBH1S 08-Jun-15	RGMBH2 08-Jun-15	RGMBH6 08-Jun-15	BH312 09-Jun-15	BH313 09-Jun-15	BH314 09-Jun-15	BH509CP 09-Jun-15	BH512CP 09-Jun-15	BH512R 09-Jun-15	BH516A 09-Jun-15	BH518R 09-Jun-15	BH536R 09-Jun-15
Acenaphthylene	ug/l	1	-	-		1	1	77																															
Acenaphthene	ug/l	0.01	-	-		0.01	0.09	70																															
Acenaphthene	ug/l	0.015	-	-		0.015	0.015	6																															
Acenaphthene	ug/l	1	-	-		1	1	77																															
Aluminium (dissolved)	ug/l	2.9	-	-		2.9	6070	135	916	26	82.2	1510	12.5	276	13.2	*2.9*	1060	3750	26.5	*2.9*	6.24	4930	907	1420	4.11	288	629	9.67	151	*2.9*	4.62	*2.9*	3.94	5.09	4.33	6.27	*2.9*	*2.9*	*2.9*	12.1
Aluminium (dissolved)	ug/l	10	-	-		10	465	45																															
Alkalinity by titration (bicarbonate)	mg/l CaCO3	2	-	-		2	490	226	90	230	265	490	200	65	255	190	165	160		190		340	325	240		220	160	345	345	190	85	190	190	195	203	460	185	218	188	160
Alkalinity (total)	mg/l CaCO3	2	-	-		23.5	3170	226	90	230	265	490	200	65	255	190	165	160		190		340	325	240		220	160	345	345	190	85	190	190	195	203	460	185	218	188	160
Alkalinity (total)	mg/l CaCO3	20	-	-		72	585	34																															
Ammoniacal nitrogen	mg/l	0.01	0.5	-		0.01	9.5	95																															
Ammoniacal nitrogen	mg/l	0.1	0.5	-		0.1	4.4	34																															
Ammoniacal nitrogen	mg/l	0.3	0.5	-		0.2	6.09	138	0.334	*0.3*	*0.3*	0.942	*0.3*	*0.3*	0.329	*0.3*	*0.3*	0.498		*0.3*		0.813	*0.3*	*0.3*		*0.3*	*0.3*	0.503	0.469	*0.3*	*0.3*	*0.3*	0.627	1.65	0.312	4.17	*0.3*	*0.3*	*0.3*	*0.3*
Anthracene	ug/l	0.01	-	0.1	0.1	0.01	0.04	70																															
Anthracene	ug/l	1	-	0.1	0.1	1	1	71																															
Anthracene	ug/l	0.015	-	0.1	0.1	0.015	0.015	6																															
Arsenic	ug/l	0.12	10	50	25	0.12	48.1	141	0.515	0.264	0.393	8.07	2.94	0.418	1.23	0.995	3.02	30	2.89	0.611	0.633	26.4	1.53	2	0.536	0.582	0.733	3.33	4.62	0.307	0.466	1.03	1.28	0.824	0.461	6.99	0.469	0.532	0.461	0.594
Arsenic	ug/l	1	10	50	25	1	5	73																															
Beryllium (diss.filt)	ug/l	0.07	-	-		0.07	0.113	6																															
Azobenzene	ug/l	1	-	-		1	1	10																															
Boron	ug/l	10	-	-		10	45	28																															
Bis(2-chloroethyl)ether	ug/l	1	-	-		1	1	73																															
Bis(2-chloroethoxy)methane	ug/l	1	-	-		1	1	77																															
bis (2 - chloroethyl) ether	ug/l	1	-	-		1	1	4																															
Bis(2-chloroisopropyl)ether	ug/l	1	-	-		1	1	69																															
Bis(2-ethylhexyl)phthalate	ug/l	2	-	1.3	1.3	2	5	76																															
Butylbenzyl phthalate	ug/l	1.5	-	7.5	0.75	2	2	1																															
Butylbenzyl phthalate	ug/l	1	-	7.5	0.75	1	1	76																															
Benzo(a)anthracene	ug/l	1	-	-		1	1	77																															
Benzo(a)anthracene	ug/l	0.01	-	-		0.01	0.06	70																															
Benzo(a)anthracene	ug/l	0.017	-	-		0.017	0.017	6																															
Benzo(a)pyrene	ug/l	1	-	0.00017	0.00017	1	1	77																															
Benzo(a)pyrene	ug/l	0.01	-	0.00017	0.00017	0.01	0.03	70																															
Benzo(a)pyrene	ug/l	0.009	-	0.00017	0.00017	0.009	0.009	6																															
Benzo(b)fluoranthene	ug/l	1	-	0.017	0.017	1	1	77																															
Benzo(b)fluoranthene	ug/l	0.01	-	0.017	0.017	0.01	0.04	70																															
Benzo(b)fluoranthene	ug/l	0.023	-	0.017	0.017	0.023	0.023	6																															
Benzo(ghi)perylene	ug/l	2	-	0.0082	0.00082	2	2	1																															
Benzo(ghi)perylene	ug/l	1	-	0.0082	0.00082	1	1	76																															
Benzo(ghi)perylene	ug/l	0.01	-	0.0082	0.00082	0.01	0.01	70																															
Benzo(ghi)perylene	ug/l	0.016	-	0.0082	0.00082	0.016	0.016	6																															
Benzo(k)fluoranthene	ug/l	1	-	0.017	0.017	1	1	77																															
Benzo(k)fluoranthene	ug/l	0.01	-	0.017	0.017	0.01	0.03	70																															
Benzo(k)fluoranthene	ug/l	0.027	-	0.017	0.017	0.027	0.027	6																															
BTEX - Benzene	ug/l	1.3	1	10	8	1.3	1.3	3																															
BTEX - Benzene	ug/l	0.1	1	10	8	0.1	0.1	1																															
BTEX - Benzene	ug/l	1	1	10	8	1	3	72																															
BTEX - Benzene	ug/l	7	1	10	8	7	7	137	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*		*7*		*7*	*7*	*7*		*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*
Benzene VOC	ug/l	1	-	-		1	1	14																										*1*	*1*	*1*					
Benzyl alcohol	ug/l	5	-	-		5	5	1																															
BOD (settled, 5 day)	mg/l	1	-	-		1	30	34																															
Bromobenzene	ug/l	2	-	-		2	2	3																															
Bromobenzene	ug/l	0.1	-	-		0.1	0.1	1																															
Bromobenzene	ug/l	1	-	-		1	1	88																										*1*	*1*	*1*					
Bromochloromethane	ug/l	1.9	-	-		1.9	1.9	3																															
Bromochloromethane	ug/l	0.1	-	-		0.1	0.1	1																															
Bromochloromethane	ug/l	5	-	-		5	5	68																															
Bromochloromethane	ug/l	1	-	-		1	1	20																										*1*	*1*	*1*					
Bromoform	ug/l	3	-	-		3	3	3																															
Bromoform	ug/l	0.1	-	-		0.1	0.1	1																															
Bromoform	ug/l	1	-	-		1	2	88																										*1*	*1*	*1*					
Bromomethane	ug/l	2	-	-		2	2	3																															
Bromomethane	ug/l	1	-	-		1	1	88																										*1*	*1*	*1*					
Bromodichloromethane	ug/l	0.9	-	-		0.9	0.9	3																															
Bromodichloromethane	ug/l	0.1	-	-		0.1	0.1	1																															
Bromodichloromethane	ug/l	10	-	-		10	10	68																															
Bromodichloromethane	ug/l	1	-	-		1	1	20																										*1*	*1*	*1*					
All >C5-C6	ug/l	1	-	-		1	13	72																															
All >C5-C6	ug/l	10	-	-		10	10	6																															
Aro >C5-C7	ug/l	1	-	-		1	3	72																															
Aro >C5-C7	ug/l	10	-	-		10	10	6																															
Total TPH Aliphatic and Aromatic C5-C35	ug/l	5	10	-		5	1270	23																															
Total Aliphatics	ug/l	5	-	-		5	2519	72																															
Total Aliphatics	ug/l	10	-	-		10	84	6																															
TPH (All & Aro)	ug/l	5	10	-		5	12202	66																															
TPH (All & Aro)	ug/l	10	10	-		10	105	6																															
Total Aromatics	ug/l	5	-	-		5	12002	72																															
Total Aromatics	ug/l	10	-	-		10	21	6																															
All >C6-C8	ug/l	1	-	-		1	8	72																															
All >C6-C8	ug/l	10	-	-		10	10	6																															
Aro >C7-C8	ug/l	1	-	-		1	77	72																															
Aro >C7-C8	ug/l	10	-	-		10	10	6																															
Aro >C8-C9	ug/l	1	-	-		1	62	72																															
Aro >C8-C9	ug/l	10	-	-		10	10	6																															
All >C8-C10	ug/l	1	-	-		1	74	72																															
All >C8-C10	ug/l	10	-	-		10	10	6																															
Aro >C9-C10	ug/l	1	-	-		1	7	72																															
Aro >C9-C10	ug/l	10	-	-		10	10	6																															
All >C10-C12	ug/l	5	-	-		5	5	72																															
All >C10-C12	ug/l	10	-	-		10	10	6																															
Aro >C10-C12	ug/l	5	-	-		5	62	72																															
Aro >C10-C12	ug/l	10	-	-		10	10	6																															
All >C12-C16	ug/l	5	-	-		5	61	72																															
All >C12-C16	ug/l	10	-	-		10	10	6																															
Aro >C12-C16	ug/l	5	-	-		5	64	72																															
Aro >C12-C16	ug/l	10	-	-		10	10	6																															
All >C16-C21	ug/l	5	-	-		5	343	72																															
All >C16-C21	ug/l	10	-	-		10	24	6																															
Aro >C16-C21	ug/l	5	-	-		5	11557	72																															
Aro >C16-C21	ug/l	10	-	-		10	10	6																															
All >C21-C35	ug/l	5	-	-		5	2469	72																															
All >C21-C35	ug/l	10	-	-		10	60	6																															
Aro >C21-C35	ug/l	5	-	-		5	1070	72																															
Aro >C21-C35	ug/l	10	-	-		10	21	6																															
Calcium (dissolved)	mg/l	1	-	-		1.77	474	270	35.4	60.9	79.6	174	88.8	17.6	55.6	82.7	55.4	54.3	48.7	80.9	79.8	125	76.2	87.6	86.6	67.7	61.2	94	102	119	34.3	78.1	58.6	50.2	107	94.7	69.5	78	66.3	58.5
Chlorobenzene	ug/l	3.5	-	-		3.5	3.5	3																															
Chlorobenzene	ug/l	0.1	-	-		0.1	0.1	1																															
Chlorobenzene	ug/l	1	-	-		1	1	88																										*1*	*1*	*1*					
Carbazole	ug/l	1	-	-		1	1	77																															
Cadmium	ug/l	0.05	5	0.15	0.2	0.05	0.12	45																															
Cadmium	ug/l	0.1	5	0.15	0.2	0.1	1.16	141	*0.1*	*0.1*	*0.1*	0.579	*0.1*	*0.1*	*0.1*	*0.1*	0.184	1.16	*0.1*	*0.1*	*0.1*	6.55	0.108	0.22	*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*
Cadmium	ug/l	1	5	0.15	0.2	1	1	28																															
Carbon Disulphide	ug/l	1.3	-	-		1.3	1.3	3																															
Carbon Disulphide	ug/l	0.1	-	-		0.1	0.1	1																															
Carbon Disulphide	ug/l	1	-	-		1	1	88																										*1*	*1*	*1*					
Chloroethane	ug/l	2.5	-	-		2.5	2.5	3																															
Chloroethane	ug/l	1	-	-		1	1	88																										*1*	*1*	*1*					
Chloroform	ug/l	1.8	-	2.5	2.5	1.8	1.8	3																															
Chloroform	ug/l	0.1	-	2.5	2.5	0.238	0.238	1																															
Chloroform	ug/l	25	-	2.5	2.5	25	25	68																															
Chloroform	ug/l	1	-	2.5	2.5	1	1.06	20																										*1*	*1*	*1*					
Chloride (w)	mg/l	1	-	250		20.64	285	266	41.1	44.6	56.9	46.5	177	35.8	35.4	107	47.8	38.3		63.6		55.8	51	40.5		44.9	30.2	49.7	49.1	294	41.6	114	43.6	36.9	70	60.7	46.8	44	44.6	24
COD (settled)	mg/l	6	-	-		6	65	34																															
Chloromethane	ug/l	9	-	-		9	9	3																															
Chloromethane	ug/l	0.5	-	-		0.5	0.5	1																															
Chloromethane	ug/l	1	-	-		1	1	88																										*1*	*1*	*1*					
Cobalt	ug/l	0.06	-	-		0.06	39.3	135	1.14	0.161	0.462	29.3	0.666	0.502	0.423	0.161	1.45	6.29	1.04	0.482	0.839	9.86	4.82	4.97	0.194	2.02	0.869	0.484	0.997	0.133	0.135	0.214	0.996	0.908	0.384	6.26	*0.06*	0.172	0.811	0.101
Cobalt	ug/l	1	-	-		1	44	73																															

Key:

0.1 Result <LOD

0.1 Positive Detection >EQS Freshwater

0.1 Positive Detection >DWS (where EQS Freshwater not available)

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH309CP 04-Mar-15	BH310R1 04-Mar-15	BH310R2 04-Mar-15	BH526CP 04-Mar-15	BH526R5 04-Mar-15	BH535CP 04-Mar-15	BH535R 04-Mar-15	BH312 04-Mar-15	BH313 05-Mar-15	BH314 05-Mar-15	BH314 Filtered 05-Mar-15	BH509CP 05-Mar-15	BH509CP Filtered 05-Mar-15	BH512CP 05-Mar-15	BH512R 05-Mar-15	BH516A 05-Mar-15	BH516A Filtered 05-Mar-15	BH518R 05-Mar-15	BH536R 05-Mar-15	RGMBH1D 08-Jun-15	RGMBH1S 08-Jun-15	RGMBH2 08-Jun-15	RGMBH6 08-Jun-15	BH312 09-Jun-15	BH313 09-Jun-15	BH314 09-Jun-15	BH509CP 09-Jun-15	BH512CP 09-Jun-15	BH512R 09-Jun-15	BH516A 09-Jun-15	BH518R 09-Jun-15	BH536R 09-Jun-15
Electrical conductivity	uS/cm	10	2500			15.6	18600	260	334	540	633	582	908	221	515	688	408	380		697		684	524	530		485	422	715	714	1130	345	701	462	418	952	900	518	564	495	390
Chromium	ug/l	1	50	4.7		0.492	103	214	8.06	1.37	5.69	3.83	11.1	4.8	1.93	2.6	4.7	5.49	1.13	2.07	5.19	8.18	18.8	4.43	17.2	4.46	3.82	3.66	3.56	2.99	2.41	1.44	3.91	3.91	4.53	4.06	1.23	1.72	3.92	1.74	2.06
Chromium (tot.unfilt)	ug/l	3	50	4.7		3	3	6																																
Chromium, Hexavalent	mg/l	0.03				0.03	0.03	6																																
Chrysene	ug/l	1				1	1	77																																
Chrysene	ug/l	0.01				0.01	0.11	70																																
Chrysene	ug/l	0.013				0.013	0.013	6																																
Carbon Tetrachloride	ug/l	1.4		12	12	1.4	1.4	3																																
Carbon Tetrachloride	ug/l	0.1		12	12	0.1	0.1	1																																
Carbon Tetrachloride	ug/l	1		12	12	1	93	88																									*1*	*1*	*1*					
Copper	ug/l	0.85		1		0.85	134	141	3.08	1.61	3.32	22.5	1.44	2.03	*0.85*	5.98	29.1	134	0.63	3.14	2.61	26.1	13.6	51.4	1.53	31.6	4.27	1.11	1.16	0.94	1.43	3.7	1.72	0.9	6.04	*0.85*	*0.85*	5.66	3.3	3.33
Copper	ug/l	1		1		1	239	73																																
Cyanide, Free	mg/l	0.05				0.05	0.05	6																																
Cyanide, Total	mg/l	0.05				0.05	0.05	6																																
Dibenzofuran	ug/l	1	2000		1	3.76	1	1	77																																
Dichlorodifluoromethane	ug/l	7					7	7	3																																
Dichlorodifluoromethane	ug/l	1					1	1	82																								*1*	*1*	*1*					
Diethyl phthalate	ug/l	1					1	1	77																																
Dibenzo(ah)anthracene	ug/l	1.5					2	2	1																																
Dibenzo(ah)anthracene	ug/l	1					1	1	76																																
Dibenzo(ah)anthracene	ug/l	0.01					0.01	0.01	70																																
Dibenzo(ah)anthracene	ug/l	0.016					0.016	0.016	6																																
Dibromochloromethane	ug/l	1.7					1.7	1.7	3																																
Dibromochloromethane	ug/l	0.1					0.1	0.1	1																																
Dibromochloromethane	ug/l	3					1	9	88																								*3*	*3*	*3*					
Dibromochloromethane	ug/l	1					1	1	20																								*1*	*1*	*1*					
Dibromomethane	ug/l	2.7					2.7	2.7	3																																
Dibromomethane	ug/l	0.1					0.1	0.1	1																																
Dibromomethane	ug/l	1					1	1	88																								*1*	*1*	*1*					
Dichloromethane VOC	ug/l	3.7		20	20		3.7	3.7	3																																
Dichloromethane VOC	ug/l	0.5		20	20		0.5	0.5	1																																
Dichloromethane VOC	ug/l	5		20	20		5	20	19																																
Dichloromethane VOC	ug/l	20		20	20		20	20	49																																
Dimethyl phthalate	ug/l	1					1	9	77																																
Di-isopropylamine	ug/l	1					1	1	71																																
Total Dissolved Solids	mg/l	10					103	2540	223	226	368	439	485	673	161	336	525	249	258		518		407	326	330		280	261	448	453	902	192		305	272	769	634	329	373	316	250
Total Dissolved Solids	mg/l	20					210	5510	34																																
Total Suspended Solids	mg/l	1					2	29500	131	112	6	20.8	3730	4	157	9.17	400	8080	1230		2970		2580	6600	1450		1610	160	388	235	174	715		1620	134	8050	922	27	2020	120	501
n-Dibutylphthalate	ug/l	1					1	1	77																																
n-Dioctylphthalate	ug/l	2					2	2	1																																
n-Dioctylphthalate	ug/l	5					5	448	76																																
Ethyl tert-butyl ether	ug/l	0.1					0.1	0.1	1																																
BTEX - Ethyl Benzene	ug/l	2.5		20	20		2.5	2.5	3																																
BTEX - Ethyl Benzene	ug/l	0.1		20	20		0.1	0.1	1																																
BTEX - Ethyl Benzene	ug/l	1		20	20		1	11	72																																
BTEX - Ethyl Benzene	ug/l	5		20	20		1	5	137	*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*
Ethyl Benzene VOC	ug/l	1					1	1	20																								*1*	*1*	*1*					
Iron (dissolved)	ug/l	10	200	1000	1000		10	8685	59																																
Iron (dissolved)	mg/l	0.019	0.2	1	1	0.019	54.2	135	0.619	0.111	0.377	24.9	0.243	0.243	0.257	*0.019*	3.01	11.9	1.39	*0.019*	*0.019*	19.4	2.41	2.02	*0.019*	0.91	0.462	*0.019*	*0.019*	*0.019*	*0.019*	*0.019*	1.49	0.0807	*0.019*	4.19	*0.019*	*0.019*	*0.019*	*0.019*
Ferrous iron Felt	mg/l	0.1	0.2	1	1		0.1	2.2	129																																
Ferric iron Felt	mg/l	0.1	0.2	1	1		0.1	6.67	129																																
Fluorene	ug/l	0.01					0.01	0.14	70																																
Fluorene	ug/l	1					1	1	77																																
Fluorene	ug/l	0.014					0.014	0.014	6																																
Fluoranthene	ug/l	1		0.0063	0.0063		1	1	77																																
Fluoranthene	ug/l	0.01		0.0063	0.0063		0.01	0.44	70																																
Fluoranthene	ug/l	0.017		0.0063	0.0063		0.017	0.017	6																																
Hexachlorocyclopentadiene	ug/l	1.5					2	2	1																																
Hexachlorocyclopentadiene	ug/l	1					1	1	76																																
Hexachloroethane	ug/l	1					1	1	9																																
Hexachloroethane	ug/l	2					0.5	2	2																																
Hexachloroethane	ug/l	1					1	1	67																																
Hexachlorobenzene	ug/l	1					1	1	77																																
Hexachlorobutadiene	ug/l	2.5					2.5	2.5	3																																
Hexachlorobutadiene	ug/l	1.5					0.5	2	2																																
Hexachlorobutadiene	ug/l	1					1	1	92																								*1*	*1*	*1*					
Mercury	ug/l	0.01	1	0.07	0.07	0.01	0.0362	140	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
Mercury	ug/l	0.05	1	0.07	0.07	0.05	2.45	45																																
Mercury	ug/l	0.1	1	0.07	0.07	0.1	39.1	28																																
Indeno(123-cd)pyrene	ug/l	1.5					2	2	1																																
Indeno(123-cd)pyrene	ug/l	1					1	1	76																																
Indeno(123-cd)pyrene	ug/l	0.01					0.01	0.01	70																																
Indeno(123-cd)pyrene	ug/l	0.014					0.014	0.014	6																																
Isopropylbenzene	ug/l	1.4					1.4	1.4	3																																
Isopropylbenzene	ug/l	0.1					0.1	0.1	1																																
Isopropylbenzene	ug/l	1					1	3	88																								*1*	*1*	*1*					
Isophorone	ug/l	1					1	1	9																																
Isophorone	ug/l						1	1	1																																
Isophorone	ug/l	1					1	1	67																																
Potassium	mg/l	0.1					0.5	110	20																																
Potassium	mg/l	1					1	843	175	*1*	*1*	1.17	3.83	2.11	*1*	4	4.02	2.9	6.71	5.91	5.3	5.18	3.2	1.89	1.71	1.51	1.53	1.95	3.2	2.77	5.57	*1*	3.29	2.9	5.74	6.22	3.58	1.41	1.66	1.42	1.72
Magnesium (dissolved)	mg/l	0.036					0.036	54.8	141	8.53	17.1	16.4	41.7	25.3	5.98	13.3	10.5	8.51	6.46	6.56	13.8	13.6	54.8	10.5	10.1	9.63	7.51	4.63	25	25.1	27	8.38	10.5	8.33	6.39	17.1	19.8	10	10.7	6.95	3.92
Magnesium (dissolved)	mg/l	1					1	88.6	139																																
Manganese	ug/l	1	50	123			0.096	9400	291	118	6.11	468	247	236	39.4	244	0.522	974	1750	648	743	2137	4630	2270	169	2.14	68	58.8	288	508	44.5	9.23	401	1230	638	104	1230	0.184	2.4	137	0.791
Molybdenum	ug/l	0.24					0.24	33.9	135	0.534	0.24	0.24	0.803	2.72	0.24	5.16	3.7	1.04	0.351	0.812	3.16	3	0.443	0.24	0.565	0.724	0.24	0.469	1.27	1.05	0.314	0.249	3.09	0.24	0.696	1.6	2.35	0.346	0.674	0.24	0.455
Molybdenum	ug/l	0.5					0.5	59.2	73																																
MTBE	ug/l	1.6					1.6	1.6	3																																
MTBE	ug/l	0.1					0.1	0.1	1																																
MTBE	ug/l	1					1	1	78																																
MTBE	ug/l	3					3	3	131	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*
BTEX - m & p Xylene	ug/l	2.5					2.5	2.5	3																																
BTEX - m & p Xylene	ug/l	0.2					0.2	0.2	1																																
BTEX - m & p Xylene	ug/l	1					1	37	72																																
BTEX - m & p Xylene	ug/l	8					1	8	137	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*
m & p Xylene VOC	ug/l	1					1	1	20																								*1*	*1*	*1*					
Sodium	mg/l	0.5					1.61	825	236	22.4	38.9	46.2	40.1	54.5	18.9	45.5	42.8	21.9	23.7	24	53.5	53.2	40.6	33.6	23.3	23.7	32.1	17.9	37.8	35.8	78.7	23.5	45.1	22.7	23.2	57.8	42.8	32	26.3	31.1	17.3
Sodium	mg/l	1					24.3	1250	34																																
Naphthalene1 -methyl-.	ug/l	1					1	1	1																																
Naphthalene	ug/l	3.5		2.4	2.4		3.5	3.5	3																																
Naphthalene	ug/l	0.5		2.4	2.4		0.5	1	2																																
Naphthalene	ug/l	1		2.4	2.4		1	1	76																																
Naphthalene	ug/l	0.01		2.4	2.4		0.01	0.68	70																																
Naphthalene	ug/l	0.1		2.4	2.4		0.1	0.1	6																																
n-Butylbenzene	ug/l	2					2	2	3																																
n-Butylbenzene	ug/l	0.1					0.1	0.1	1																																
n-Butylbenzene	ug/l	1					1	1	88																								*1*	*1*	*1*					
Nickel	ug/l	0.15	20	4	8.6	0.15	48.9	141	1.57	0.801	1.43	68.9	1.6	2.07	1.77	1.89	9.84	11.8	2.89	2.47	2.75	27.3	18.5	4.96	1.46	2.89	1.85	2.22	2.39	2.22	1.35	3.68	2.31	2.72	2.22	30.9	0.946	2.13	1.69	1.15
Nickel	ug/l	1	20	4	8.6	1	56	73																																
Nitrite as N	mg/l	0.02	11.3			0.015	2.8405	132	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*		0.065664		0.030096	*0.02*	*0.02*		*0.02*	*0.02*	0.017024	0.015	0.015	0.015	0.015	0.015	0.01976	0.034656	0.015	0.015	0.015	0.015	0.015
Nitrite as N	mg/l	0.03	11.3			0.03	0.71	94																																
Nitrite as N	mg/l	0.1	11.3			0.1	0.3	34																																
Nitrate as N	mg/l	0.07	11.3			0.06	40.4361	138	6.7574	1.4577	2.08146	*0.07*	*0.07*	1.58426	*0.07*	5.8308	1.43284	1.24752		55.6166		1.00796	3.4804	0.76614		1.58878	2.2261	0.264303	*0.07*	2.07828	2.84634	3.63689	0.774837	0.612189	40.4361	1.210824	4.31469	0.797427	1.628739	2.68821
Nitrate as N	mg/l	0.11	11.3			0.11	16.73	94																																
Nitrate as N	mg/l	0.5	11.3			0.6	47.8	34																																
Nitrobenzene	ug/l	1				1	1	77																																
Nitrogen (kjeldahl)	mg/l	0.1				0.2	8.4	93																																
n-Nitroso-n-dipropylamine	ug/l	1				1	1	71																																
n-Propylbenzene	ug/l	0.1				0.1	0.1	1																																
n-Propylbenzene	ug/l	1				1	2	74																																
Nitrogen, Total	mg/l	0.5				0.5	17.6	93																																
BTEX - o Xylene	ug/l	1.7		30	30	1.7	1.7	3																																
BTEX - o Xylene	ug/l	0.1		30	30	0.1	0.1	1																																
BTEX - o Xylene	ug/l	1		30	30	1	14	72																																
BTEX - o Xylene	ug/l	3		30	30	1	3	137	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*		*3*		*3*	*3*	*3*		*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*
oXylene VOC	ug/l	1				1	1	20																									*1*	*1*	*1*					
Total PAH	ug/l	0.01				0.01	1.57	70																																
Lead	ug/l	0.02	10	1.2	1.3	0.02	88.9	141	0.778	0.165	0.417	44.1	0.215	0.599	0.163	0.041	14.5	88.9	0.531	0.043	0.163	49	4.44	30.2	0.07	5.85	2.74	0.191	0.086	0.045	0.075	0.077	0.037	0.045	0.074	0.165	*0.02*	0.676	0.027	0.074

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH309CP	BH310R1	BH310R2	BH526CP	BH526RS	BH535CP	BH535R	BH312	BH313	BH314	BH314 Filtered	BH509CP	BH509CP Filtered	BH512CP	BH512R	BH516A	BH516A Filtered	BH518R	BH536R	RGMBH1D	RGMBH1S	RGMBH2	RGMBH6	BH312	BH313	BH314	BH509CP	BH512CP	BH512R	BH516A	BH518R	BH536R
									04-Mar-15	04-Mar-15	04-Mar-15	04-Mar-15	04-Mar-15	04-Mar-15	04-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	05-Mar-15	08-Jun-15	08-Jun-15	08-Jun-15	08-Jun-15	09-Jun-15	09-Jun-15	09-Jun-15	09-Jun-15	09-Jun-15	09-Jun-15	09-Jun-15	09-Jun-15	09-Jun-15
Lead	ug/l	1	10	1.2	1.3	1	43	73																																
Paclobutrazol	ug/l	2.6	-	-		2.6	2.6	3																																
Perylene	ug/l	1	-	-		1	1	73																																
Phenol SVOC	ug/l	3	-	-		3	3	1																																
Phenol SVOC	ug/l	1	-	-		1	4	76																																
Phosphorus, (total)	ug/l	100	-	-		100	100	34																																
Phosphorus, (total)	ug/l	100	-	-		100	2030	94																																
pH	pH	0.01	5.5 - 9.5	6 - 9		5.98	12.58	232	6.96	7.49	7.93	7.73	7.76	6.89	8.3	7.78	8.08	7.58		8.2		8.16	8.2	8.01		8.11	7.61	8.04	8.19	7.6	7.22	8.24	7.63	8.02	7.68	8.06	7.95	7.35	7.76	7.49
pH	pH	0.1	5.5 - 9.5	6 - 9		6.6	13.1	38																																
Pentachlorophenol	ug/l	1	-		0.4	0.4	1	1	77																																
Phenanthrene	ug/l	0.01	-	-			0.01	0.35	70																																
Phenanthrene	ug/l	1	-	-			1	1	77																																
Phenanthrene	ug/l	0.022	-	-			0.022	0.022	6																																
Pyrene	ug/l	0.01	-	-			0.01	0.41	70																																
Pyrene	ug/l	1	-	-			1	1	77																																
Pyrene	ug/l	0.015	-	-			0.015	0.015	6																																
Antimony (dissolved)	ug/l	0.16	5	-			0.16	6.63	135	1.16	1.68	2.35	*0.16*	3.4	3.12	0.23	1.19	4.31	0.44	0.571	0.445	0.385	0.605	0.615	0.993	0.301	0.313	0.763	0.412	0.384	0.355	0.301	1.99	*0.16*	*0.16*	0.408	4.2	0.253	0.472	0.21	0.433
Antimony (dissolved)	ug/l	1	5	-			1	4	49																																
Selenium	ug/l	0.39	10	-			0.39	9.72	141	1.07	0.95	0.932	*0.39*	2.44	0.545	0.39	2.32	1.5	3.03	1.12	1.65	1.43	6.31	1.13	1.76	1.58	0.683	0.657	1.57	1.36	1.7	1.15	2.4	1.44	1.12	1.12	9.17	1.45	2.06	1.1	0.952
Selenium	ug/l	1	10	-			1	4	73																																
sec-Butylbenzene	ug/l	1.7	-	-			1.7	1.7	3																																
sec-Butylbenzene	ug/l	0.1	-	-			0.1	0.1	1																																
sec-Butylbenzene	ug/l	1	-	-			1	1	88																								*1*	*1*	*1*						
Styrene	ug/l	1.2	-		50	50	1.2	1.52	3																																
Styrene	ug/l	0.5	-		50	50	0.5	0.5	1																																
Styrene	ug/l	1	-		50	50	1	1	88																								*1*	*1*	*1*						
Sulphate	mg/l	1	250	-			1	384	132																																
Sulphate	mg/l	2	250	-			2	226	138	15	32.4	42.5	23.6	23.1	11.1	28	34.9	12.3	8.8		68.5		40.3	32.3	28		21.5	16	23.3	23.5	30	23.1	35.4	6.6	*2*	93.3	25.4	27.3	41.8	23.7	15.1
Sulphide	mg/l	0.01	-	-			0.01	0.01	6																																
Sulphur, Free	mg/l	0.05	-	-			0.05	0.15	6																																
trans 1,2-Dichloroethene	ug/l	1.9	-	-			1.9	1.9	3																																
trans 1,2-Dichloroethene	ug/l	0.1	-	-			0.1	0.1	1																																
trans 1,2-Dichloroethene	ug/l	1	-	-			1	1	88																								*1*	*1*	*1*						
trans 1,3-Dichloropropene	ug/l	3.5	-	-			3.5	3.5	3																																
trans 1,3-Dichloropropene	ug/l	0.5	-	-			0.5	0.5	1																																
trans 1,3-Dichloropropene	ug/l	1	-	-			1	1	88																								*1*	*1*	*1*						
tert-Amyl methyl ether	ug/l	1	-	-			1	1	9																																
tert-Amyl methyl ether	ug/l	0.1	-	-			0.1	0.1	1																																
Trichlorofluoromethane	ug/l	1.3	-	-			1.3	1.3	3																																
Trichlorofluoromethane	ug/l	0.1	-	-			0.1	0.1	1																																
Trichlorofluoromethane	ug/l	1	-	-			1	1	88																								*1*	*1*	*1*						
tert-Butylbenzene	ug/l	2	-	-			2	2	3																																
tert-Butylbenzene	ug/l	0.1	-	-			0.1	0.1	1																																
tert-Butylbenzene	ug/l	2	-	-			2	2	68																																
tert-Butylbenzene	ug/l	1	-	-			1	1	20																								*1*	*1*	*1*						
Tetrachloroethene	ug/l	1.5	-		10	10	1.5	1.5	3																																
Tetrachloroethene	ug/l	0.1	-		10	10	0.1	0.1	1																																
Tetrachloroethene	ug/l	1	-		10	10	1	5	88																								*1*	*1*	*1*						
Hardness Total	mg/l CaCO3	2	-	-			18	1183	135																																
BTEX - Toluene	ug/l	1	-	-			1	77	72																																
BTEX - Toluene	ug/l	1.4	-	-			1.4	1.4	3																																
BTEX - Toluene	ug/l	0.1	-	-			0.1	0.1	1																																
BTEX - Toluene	ug/l	1	-	-			1	37	68																																
BTEX - Toluene	ug/l	4	-	-			4	7	137	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*		*4*		*4*	*4*	*4*		*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*
Toluene VOC	ug/l	1	-	-			1	7.9	14																								*1*	*1*	*1*						
Nitrogen, Total Oxidised TOxN	mg/l	0.5	-	-			0.5	16.78	127																																
Trichloroethene	ug/l	2.5	10	10	10		2.5	2.5	3																																
Trichloroethene	ug/l	0.1	10	10	10		0.1	0.1	1																																
Trichloroethene	ug/l	1	10	10	10		1	56.6	88																								56.6	*1*	*1*						
Vinyl Chloride	ug/l	1.2	-	-			1.2	1.2	3																																
Vinyl Chloride	ug/l	0.1	-	-			0.1	0.1	1																																
Vinyl Chloride	ug/l	1	-	-			1	1	88																								*1*	*1*	*1*						
Zinc	ug/l	0.41	5000	13.9	9.8		0.41	145	141	3.57	1.43	3.13	145	68.9	3.14	1.41	1.68	4.9	68.2	9.96	3.13	8.67	45.9	4.9	37.9	3.79	6.28	10.4	3.92	4.3	2.18	2.36	6.58	4.38	3.5	145	2.32	2.09	68.9	2.23	2.15
Zinc	ug/l	1	5000	13.9	9.8	1	194	73																																	
EPH (C6-C10)	ug/l	100	-	-			100	100	131	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*		*100*		*100*	*100*	*100*		*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
GRO >C5-C10	ug/l	10	-	-			10	50	137	*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*
EPH Range >C10 C40 (aq)	ug/l	46	-	-			46	668	31	*46*	*46*	*46*	668	*46*	*46*	55.5	*46*	*46*	*46*		84.9		102	*46*	*46*		*46*	*46*													
Total EPH (C6C40) (aq)	ug/l	100	10	-			100	3540	129	*100*	*100*	*100*	668	*100*	*100*	*100*	*100*	*100*	*100*		*100*		102	*100*	*100*		*100*	*100*	*100*	*100*	*100*	178		*100*	*100*	675	141	*100*	*100*	*100*	*100*

Note: Groundwater data has been compiled from a mixture of AGS and Laboratory Cross-tabs reports. In order to aid assessment, less than symbols (<) have been removed from the data. Reference should be made to the original data contained within the factual reports (refer to the text of the Jacobs Risk Assessment and Remediation Strategy for further details).

Where determinands are reported multiple times these represent the different unit and limit of detection (LOD) combinations present within the original data.

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH309CP	BH309R	BH523RS	BH524CP	BH524R	BH525CP	BH525R	RGMBH13	RGMBH4	RGMBH4A	RGMBH5	RGMBH7	BH310CP	BH310R1	BH310R2	BH526CP	BH526RS	BH535CP	BH535R	BH1010	BH858	BH313	BH509CP	BH512CP	BH512R	BH518R	BH310CP	BH310R1	BH310R2	BH312	BH314	BH526CP
									10-Jun-15	10-Jun-15	10-Jun-15	10-Jun-15	10-Jun-15	10-Jun-15	10-Jun-15	10-Jun-15	10-Jun-15	10-Jun-15	10-Jun-15	10-Jun-15	11-Jun-15	11-Jun-15	11-Jun-15	11-Jun-15	11-Jun-15	11-Jun-15	11-Jun-15	12-Jun-15	12-Jun-15	14-Sep-15	14-Sep-15	14-Sep-15	14-Sep-15	14-Sep-15	15-Sep-15	15-Sep-15	15-Sep-15	15-Sep-15	15-Sep-15	15-Sep-15
1,1,1,2-Tetrachloroethane	ug/l	1.3	-	140		1.3	1.3	3																															
1,1,1,2-Tetrachloroethane	ug/l	0.1	-	140		0.1	0.1	1																															
1,1,1,2-Tetrachloroethane	ug/l	1	-	140		1	1	88																				*1*	*1*	*1*								*1*	*1*
1,1,1-Trichloroethane	ug/l	1.3	-	100	100	1.3	1.92	3																															
1,1,1-Trichloroethane	ug/l	0.1	-	100	100	1.16	1.16	1																															
1,1,1-Trichloroethane	ug/l	1	-	100	100	1	22	88																				*1*	*1*	*1*								*1*	*1*
1,1,2,2-Tetrachloroethane	ug/l	5.2	-	-		5.2	5.2	3																															
1,1,2,2-Tetrachloroethane	ug/l	0.1	-	-		0.1	0.1	1																															
1,1,2,2-Tetrachloroethane	ug/l	1	-	-		1	1	88																				*1*	*1*	*1*								*1*	*1*
1,1,2-Trichloroethane	ug/l	2.2	-	400	300	2.2	2.2	3																															
1,1,2-Trichloroethane	ug/l	0.1	-	400	300	0.1	0.1	1																															
1,1,2-Trichloroethane	ug/l	1	-	400	300	1	1	88																				*1*	*1*	*1*								*1*	*1*
1,1-Dichloropropene	ug/l	1.3	-	-		1.3	1.3	3																															
1,1-Dichloropropene	ug/l	0.1	-	-		0.1	0.1	1																															
1,1-Dichloropropene	ug/l	1	-	-		1	1	88																				*1*	*1*	*1*								*1*	*1*
1,1-Dichloroethane	ug/l	1.2	-	10	10	1.2	1.2	3																															
1,1-Dichloroethane	ug/l	0.1	-	10	10	0.1	0.1	1																															
1,1-Dichloroethane	ug/l	1	-	10	10	1	8	88																				*1*	*1*	*1*								*1*	*1*
1,1-Dichloroethene	ug/l	1.2	-	-		1.2	1.2	3																															
1,1-Dichloroethene	ug/l	0.1	-	-		0.1	0.1	1																															
1,1-Dichloroethene	ug/l	1	-	-		1	33	88																				*1*	*1*	*1*								*1*	*1*
1,2,3-Trichlorobenzene	ug/l	3.1	-	0.4	0.4	3.1	3.1	3																															
1,2,3-Trichlorobenzene	ug/l	0.5	-	0.4	0.4	0.5	0.5	1																															
1,2,3-Trichlorobenzene	ug/l	3	-	0.4	0.4	3	3	68																															
1,2,3-Trichlorobenzene	ug/l	1	-	-		1	1	20																				*1*	*1*	*1*								*1*	*1*
1,2,3-Trichloropropane	ug/l	7.8	-	-		7.8	7.8	3																															
1,2,3-Trichloropropane	ug/l	0.5	-	-		0.5	0.5	1																															
1,2,3-Trichloropropane	ug/l	1	-	-		1	1	88																				*1*	*1*	*1*								*1*	*1*
1,2,3-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																															
1,2,4-Trichlorobenzene	ug/l	1	-	-		1	1	3																															
1,2,4-Trichlorobenzene	ug/l	2.3	-	-		2.3	2.3	3																															
1,2,4-Trichlorobenzene	ug/l	0.5	-	-		0.5	1	2																															
1,2,4-Trichlorobenzene	ug/l	1	-	-		1	1	27																				*1*	*1*	*1*								*1*	*1*
1,2,4-Trichlorobenzene	ug/l	3	-	-		3	3	68																															
1,2,4-Trimethylbenzene	ug/l	1.7	-	-		1.7	1.7	3																															
1,2,4-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																															
1,2,4-Trimethylbenzene	ug/l	1	-	-		1	1	88																				*1*	*1*	*1*								*1*	*1*
1,2-Dibromo-3-chloropropane	ug/l	9.8	-	-		9.8	9.8	3																															
1,2-Dibromo-3-chloropropane	ug/l	0.1	-	-		0.1	0.1	1																															
1,2-Dibromo-3-chloropropane	ug/l	2	-	-		2	2	68																															
1,2-Dibromo-3-chloropropane	ug/l	1	-	-		1	1	20																				*1*	*1*	*1*								*1*	*1*
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	23																				*1*	*1*	*1*								*1*	*1*
1,2-Dichlorobenzene	ug/l	3.7	-	-		3.7	3.7	3																															
1,2-Dichlorobenzene	ug/l	0.1	-	-		0.1	0.1	1																															
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	8																															
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	68																															
1,2-Dichloroethane	ug/l	3.3	-	-		3.3	3.3	3																															
1,2-Dichloroethane	ug/l	0.1	-	-		0.1	0.1	1																															
1,2-Dichloroethane	ug/l	2	-	-		2	2	68																															
1,2-Dichloroethene	ug/l	1	-	-		1	1	20																				*1*	*1*	*1*								*1*	*1*
1,2-Dichloroethene	ug/l	2.3	-	-		2.3	2.3	3																															
cis 1,2-Dichloroethene	ug/l	0.1	-	-		0.1	0.1	1																															
cis 1,2-Dichloroethene	ug/l	1	-	-		1	3.81	88																				*1*	*1*	*1*								3.81	*1*
1,2-Dibromoethane	ug/l	2.3	-	-		2.3	2.3	3																															
1,2-Dibromoethane	ug/l	0.1	-	-		0.1	0.1	1																															
1,2-Dibromoethane	ug/l	1	-	-		1	2	89																				*1*	*1*	*1*								*1*	*1*
1,2-Dichloropropane	ug/l	3	-	-		3	3	3																															
1,2-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																															
1,2-Dichloropropane	ug/l	1	-	-		1	2	88																				*1*	*1*	*1*								*1*	*1*
1,3,5- Trichlorobenzene	ug/l	10	-	-		10	10	3																															
1,3,5- Trichlorobenzene	ug/l	0.5	-	-		0.5	0.5	1																															
1,3,5-Trimethylbenzene	ug/l	1.8	-	-		1.8	1.8	3																															
1,3,5-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																															
1,3,5-Trimethylbenzene	ug/l	1	-	-		1	2	88																				*1*	*1*	*1*								*1*	*1*
1,3,5-Trichlorobenzene	ug/l	1	-	-		1	1	6																															
1,3-Dichlorobenzene	ug/l	1	-	-		1	1	3																															
1,3-Dichlorobenzene	ug/l	2.2	-	-		2.2	2.2	3																															
1,3-Dichlorobenzene	ug/l	0.5	-	-		0.5	0.5	1																															
1,3-Dichlorobenzene	ug/l	1	-	-		1	1	90																				*1*	*1*	*1*								*1*	*1*
cis 1,3-Dichloropropene	ug/l	1.9	-	-		1.9	1.9	3																															
cis 1,3-Dichloropropene	ug/l	0.1	-	-		0.1	0.1	1																															
cis 1,3-Dichloropropene	ug/l	1	-	-		1	1	88																				*1*	*1*	*1*								*1*	*1*
1,3-Dinitrobenzene	ug/l	1	-	-		1	1	1																															
1,3-Dichloropropane	ug/l	2.2	-	-		2.2	2.2	3																															
1,3-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																															
1,3-Dichloropropane	ug/l	1	-	-		1	1	88																				*1*	*1*	*1*								*1*	*1*
1,4-Dichlorobenzene	ug/l	2.7	-	20	20	2.7	2.7	3																															
1,4-Dichlorobenzene	ug/l	0.1	-	20	20	0.1	3	2																															
1,4-Dichlorobenzene	ug/l	1	-	20	20	1	1	73																															
1,4-Dinitrobenzene	ug/l	1	-	-		1	1	1																															
2,2-Dichloropropane	ug/l	3.8	-	-		3.8	3.8	3																															
2,2-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																															
2,2-Dichloropropane	ug/l	1	-	-		1	1	88																				*1*	*1*	*1*								*1*	*1*
2,3,4,6- Tetrachlorophenol	ug/l	1	-	-		1	1	1																															
2,4,5-Trichlorophenol	ug/l	1	-	-		1	1	77																															
2,4,6-Trichlorophenol	ug/l	1	-	-		1	1	77																															
2,4-Dichlorophenol	ug/l	1	4.2	0.42		1	1	77																															
2,4-Dimethylphenol	ug/l	1	-	-		1	1	77																															
2,4-Dinitrophenol	ug/l	1	-	-		1	1	67																															
2,4-Dinitrotoluene	ug/l	1	-	-		1	1	77																															
2,6-Dinitrotoluene	ug/l	1	-	-		1	1	77																															
2-Chloronaphthalene	ug/l	1	-	-		1	1	77																															
2-Chlorophenol	ug/l	1	-	-		1	1	77																															
2-Chlorotoluene	ug/l	1.9	-	-		1.9	1.9	3																															
2-Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																															
2-Chlorotoluene	ug/l	1	-	-		1	2	88																				*1*	*1*	*1*								*1*	*1*
2-Methylnaphthalene	ug/l	1	-	-		1	1	77																															
2-Methylphenol	ug/l	1	-	-		1	1	76																															
2- Nitroaniline	ug/l	1	-	-		1	1	10																															
2-Nitrophenol	ug/l	1	-	-		1	1	77																															
3,4-Methylphenol	ug/l	1	-	-		1	1	1																															
3- Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																															
3- Nitroaniline	ug/l	1	-	-		1	1	9																															
3,4-Nitroaniline	ug/l	2	-	-		2	2	1																															
4,6-Dinitro-2-methylphenol	ug/l	1	-	-		1	1	67																															
4-Bromophenyl phenyl ether	ug/l	1	-	-		1	1	77																															
4-Chloro-3-methylphenol	ug/l	1	-	-		1	1	73																															
4 - Chloro - 3 - Methlphenol	ug/l	1	-	-		1	1	4																															
4- Chloroaniline	ug/l	1	-	-		1	1	10																															
4- Chlorophenyl phenyl ether	ug/l	1	-	-		1	1	10																															
4-Chlorotoluene	ug/l	1.9	-	-		1.9	1.9	3																															
4-Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																															
4-Chlorotoluene	ug/l	1	-	-		1	2	88																				*1*	*1*	*1*								*1*	*1*
4-Isopropyltoluene	ug/l	2.6	-	-		2.6	2.6	3																															
4-Isopropyltoluene	ug/l	0.1	-	-		0.1	0.1	1																															
4-Isopropyltoluene	ug/l	1	-	-		1	1	82																				*1*	*1*	*1*								*1*	*1*
4-Methylphenol	ug/l	1	-	-		1	1	76																															
4- Nitroaniline	ug/l	1	-	-		1	1	9																															
4-Nitrophenol	ug/l	1	-	-		1	1	76																															
Acenaphthylene	ug/l	0.01	-	-		0.01	0.01	70																															
Acenaphthylene	ug/l	0.011	-	-		0.011	0.011	6																															

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH309CP	BH309R	BH523RS	BH524CP	BH524R	BH525CP	BH525R	RGMBH13	RGMBH4	RGMBH4A	RGMBH5	RGMBH7	BH310CP	BH310R1	BH310R2	BH526CP	BH526RS	BH535CP	BH535R	BH1010	BH858	BH313	BH509CP	BH512CP	BH512R	BH518R	BH310CP	BH310R1	BH310R2	BH312	BH314	BH526CP
									10-Jun-15	10-Jun-15	10-Jun-15	10-Jun-15	10-Jun-15	10-Jun-15	10-Jun-15	10-Jun-15	10-Jun-15	10-Jun-15	10-Jun-15	10-Jun-15	11-Jun-15	11-Jun-15	11-Jun-15	11-Jun-15	11-Jun-15	11-Jun-15	12-Jun-15	12-Jun-15	14-Sep-15	14-Sep-15	14-Sep-15	14-Sep-15	14-Sep-15	14-Sep-15	15-Sep-15	15-Sep-15	15-Sep-15	15-Sep-15	15-Sep-15	15-Sep-15
Acenaphthylene	ug/l	1	-	-		1	1	77																																
Acenaphthene	ug/l	0.85	-	-		0.01	0.09	70																																
Acenaphthene	ug/l	0.015	-	-		0.015	0.015	6																																
Acenaphthene	ug/l	1	-	-		1	1	77																																
Aluminium (dissolved)	ug/l	2.9	-	-		2.9	6070	155	3.18	9.64	*2.9*	4.07	3.74	6.72	*2.9*	98	*2.9*	11.6	48.6	897	*2.9*	51.4	58.7	*2.9*	17.5	222	490	848	2800	*2.9*	*2.9*	*2.9*	*2.9*	*2.9*	*2.9*	10	*2.9*	*2.9*	*2.9*	*2.9*
Aluminium (dissolved)	ug/l	10	-	-		10	465	45																																
Alkalinity by titration (bicarbonate)	mg/l CaCO3	2	-	-		2	490	226	155	74.5	80	360	238	50.2	200	90	160	96.1	254	181	225	230	260	270	280	65	250	2	205	217	302	390	188	190	245	220	260	240	170	260
Alkalinity (total)	mg/l CaCO3	2	-	-		23.5	3170	226	155	74.5	80	360	238	50.2	200	90	160	96.1	254	181	225	230	260	270	280	65	250	660	205	217	302	390	188	190	245	220	260	240	170	260
Alkalinity (total)	mg/l CaCO3	20	-	-		72	585	34																																
Ammoniacal nitrogen	mg/l	0.01	0.5	-		0.01	9.5	95																																
Ammoniacal nitrogen	mg/l	0.1	0.5	-		0.1	4.4	34																																
Ammoniacal nitrogen	mg/l	0.3	0.5	-		0.2	6.09	138	0.319	0.975	*0.3*	4.62	0.516	*0.3*	*0.3*	*0.3*	0.337	0.301	0.557	*0.3*	0.5951	1.33	4.46	0.464	0.489	*0.3*	0.33	1.74	*0.3*	1.12	*0.3*	1.14	*0.3*	*0.3*	*0.3*	*0.3*	*0.3*	*0.3*	*0.3*	5.88	0.334
Anthracene	ug/l	0.01	-	-	0.1	0.1	0.01	0.04	70																															
Anthracene	ug/l	1	-	-	0.1	0.1	1	1	71																															
Anthracene	ug/l	0.015	-	-	0.1	0.1	0.015	0.015	6																															
Arsenic	ug/l	0.12	10	50	25	0.12	48.1	141	*0.12*	*0.12*	*0.12*	1.31	0.54	*0.12*	0.277	0.14	*0.12*	*0.12*	0.86	0.165	1.06	2.13	0.61	3.51	3.14	0.588	2.15	2.01	3.61	3.79	0.554	7.45	0.425	0.36	0.251	0.146	0.244	0.671	0.937	4.54
Arsenic	ug/l	1	10	50	25	1	5	73																																
Beryllium (diss.filt)	ug/l	0.07	-	-		0.07	0.113	6																																
Azobenzene	ug/l	1	-	-		1	1	10																																
Boron	ug/l	10	-	-		10	45	28																																
Bis(2-chloroethyl)ether	ug/l	1	-	-		1	1	73																																
Bis(2-chloroethoxy)methane	ug/l	1	-	-		1	1	77																																
bis (2 - chloroethyl) ether	ug/l	1	-	-		1	1	4																																
Bis(2-chloroisopropyl)ether	ug/l	1	-	-		1	1	69																																
Bis(2-ethylhexyl)phthalate	ug/l	2	-	-	1.3	1.3	2	5	76																															
Butylbenzyl phthalate	ug/l	1.5	-	-	7.5	0.75	2	2	1																															
Butylbenzyl phthalate	ug/l	1	-	-	7.5	0.75	1	1	76																															
Benzo(a)anthracene	ug/l	1	-	-		1	1	77																																
Benzo(a)anthracene	ug/l	0.01	-	-		0.01	0.06	70																																
Benzo(a)anthracene	ug/l	0.017	-	-		0.017	0.017	6																																
Benzo(a)pyrene	ug/l	1	-	-	0.00017	0.00017	1	1	77																															
Benzo(a)pyrene	ug/l	0.01	-	-	0.00017	0.00017	0.01	0.03	70																															
Benzo(a)pyrene	ug/l	0.009	-	-	0.00017	0.00017	0.009	0.009	6																															
Benzo(b)fluoranthene	ug/l	1	-	-	0.017	0.017	1	1	77																															
Benzo(b)fluoranthene	ug/l	0.01	-	-	0.017	0.017	0.01	0.04	70																															
Benzo(b)fluoranthene	ug/l	0.023	-	-	0.017	0.017	0.023	0.023	6																															
Benzo(ghi)perylene	ug/l	2	-	-	0.0082	0.00082	2	2	1																															
Benzo(ghi)perylene	ug/l	1	-	-	0.0082	0.00082	1	1	76																															
Benzo(ghi)perylene	ug/l	0.01	-	-	0.0082	0.00082	0.01	0.01	70																															
Benzo(ghi)perylene	ug/l	0.016	-	-	0.0082	0.00082	0.016	0.016	6																															
Benzo(k)fluoranthene	ug/l	1	-	-	0.017	0.017	1	1	77																															
Benzo(k)fluoranthene	ug/l	0.01	-	-	0.017	0.017	0.01	0.03	70																															
Benzo(k)fluoranthene	ug/l	0.027	-	-	0.017	0.017	0.027	0.027	6																															
BTEX - Benzene	ug/l	1.3	1	10	8	1.3	1.3	3																																
BTEX - Benzene	ug/l	0.1	1	10	8	0.1	0.1	1																																
BTEX - Benzene	ug/l	1	1	10	8	1	3	72																																
BTEX - Benzene	ug/l	7	1	10	8	7	7	137	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*1*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*
Benzene VOC	ug/l	1	-	-		1	1	14																				*1*	*1*	*1*									*1*	*1*	
Benzyl alcohol	ug/l	5	-	-		5	5	1																																
BOD (settled, 5 day)	mg/l	1	-	-		1	30	34																																
Bromobenzene	ug/l	2	-	-		2	2	3																																
Bromobenzene	ug/l	0.1	-	-		0.1	0.1	1																																
Bromobenzene	ug/l	1	-	-		1	1	88																				*1*	*1*	*1*									*1*	*1*	
Bromochloromethane	ug/l	1.9	-	-		1.9	1.9	3																																
Bromochloromethane	ug/l	0.1	-	-		0.1	0.1	1																																
Bromochloromethane	ug/l	5	-	-		5	5	68																																
Bromochloromethane	ug/l	1	-	-		1	1	20																				*1*	*1*	*1*									*1*	*1*	
Bromoform	ug/l	3	-	-		3	3	3																																
Bromoform	ug/l	0.1	-	-		0.1	0.1	1																																
Bromoform	ug/l	1	-	-		1	2	88																				*1*	*1*	*1*									*1*	*1*	
Bromomethane	ug/l	2	-	-		2	2	3																																
Bromomethane	ug/l	1	-	-		1	1	88																				*1*	*1*	*1*									*1*	*1*	
Bromodichloromethane	ug/l	0.9	-	-		0.9	0.9	3																																
Bromodichloromethane	ug/l	0.1	-	-		0.1	0.1	1																																
Bromodichloromethane	ug/l	10	-	-		10	10	68																																
Bromodichloromethane	ug/l	1	-	-		1	1	20																				*1*	*1*	*1*									*1*	*1*	
All >C5-C6	ug/l	1	-	-		1	13	72																																
All >C5-C6	ug/l	10	-	-		10	10	6																																
Aro >C5-C7	ug/l	1	-	-		1	3	72																																
Aro >C5-C7	ug/l	10	-	-		10	10	6																																
Total TPH Aliphatic and Aromatic C5-C35	ug/l	5	10	-		5	1270	23																																
Total Aliphatics	ug/l	5	-	-		5	2519	72																																
Total Aliphatics	ug/l	10	-	-		10	84	6																																
TPH (All & Aro)	ug/l	5	10	-		5	12202	66																																
TPH (All & Aro)	ug/l	10	10	-		10	105	6																																
Total Aromatics	ug/l	5	-	-		5	12002	72																																
Total Aromatics	ug/l	10	-	-		10	21	6																																
All >C6-C8	ug/l	1	-	-		1	8	72																																
All >C6-C8	ug/l	10	-	-		10	10	6																																
Aro >C7-C8	ug/l	1	-	-		1	77	72																																
Aro >C7-C8	ug/l	10	-	-		10	10	6																																
Aro >C8-C9	ug/l	1	-	-		1	62	72																																
Aro >C8-C9	ug/l	10	-	-		10	10	6																																
All >C8-C10	ug/l	1	-	-		1	74	72																																
All >C8-C10	ug/l	10	-	-		10	10	6																																
Aro >C9-C10	ug/l	1	-	-		1	7	72																																
Aro >C9-C10	ug/l	10	-	-		10	10	6																																
All >C10-C12	ug/l	5	-	-		5	5	72																																
All >C10-C12	ug/l	10	-	-		10	10	6																																
Aro >C10-C12	ug/l	5	-	-		5	62	72																																
Aro >C10-C12	ug/l	10	-	-		10	10	6																																
All >C12-C16	ug/l	5	-	-		5	61	72																																
All >C12-C16	ug/l	10	-	-		10	10	6																																
Aro >C12-C16	ug/l	5	-	-		5	64	72																																
Aro >C12-C16	ug/l	10	-	-		10	10	6																																
All >C16-C21	ug/l	5	-	-		5	343	72																																
All >C16-C21	ug/l	10	-	-		10	24	6																																
Aro >C16-C21	ug/l	5	-	-		5	11557	72																																
Aro >C16-C21	ug/l	10	-	-		10	10	6																																
All >C21-C35	ug/l	5	-	-		5	2469	72																																
All >C21-C35	ug/l	10	-	-		10	60	6																																
Aro >C21-C35	ug/l	5	-	-		5	1070	72																																
Aro >C21-C35	ug/l	10	-	-		10	21	6																																
Calcium (dissolved)	mg/l	1	-	-		1.77	474	270	61.6	34.2	9.19	65.5	58.9	25.8	75	27.5	57.1	41.3	122	101	63.5	55.4	72.6	55.8	77.5	17.6	60	270	112	60.3	90.7	102	62.5	60.4	71.1	61	83.6	82.5	48.9	65
Chlorobenzene	ug/l	3.5	-	-		3.5	3.5	3																																
Chlorobenzene	ug/l	0.1	-	-		0.1	0.1	1																																
Chlorobenzene	ug/l	1	-	-		1	1	88																				*1*	*1*	*1*									*1*	*1*	
Carbazole	ug/l	1	-	-		1	1	77																																
Cadmium	ug/l	0.05	5	0.15	0.2	0.05	0.12	45																																
Cadmium	ug/l	0.1	5	0.15	0.2	0.1	1.16	141	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	0.23	*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*	0.185	*0.1*
Cadmium	ug/l	1	5	0.15	0.2	1	1	28																																
Carbon Disulphide	ug/l	1.3	-	-		1.3	1.3	3																																
Carbon Disulphide	ug/l	0.1	-	-		0.1	0.1	1																																
Carbon Disulphide	ug/l	1	-	-		1	1	88																				*1*	*1*	*1*									*1*	*1*	
Chloroethane	ug/l	2.5	-	-		2.5	2.5	3																																
Chloroethane	ug/l	1	-	-		1	1	88																				*1*	*1*	*1*									*1*	*1*	
Chloroform	ug/l	1.8	-	2.5	2.5	1.8	1.8	3																																
Chloroform	ug/l	0.1	-	2.5	2.5	0.238	0.238	1																																
Chloroform	ug/l	25	-	2.5	2.5	25	25	68																																
Chloroform	ug/l	1	-	2.5	2.5	1	1.06	20																				*1*	*1*	*1*									*1*	*1*	
Chloride (w)	mg/l	1	-	250		20.64	285	266	50.5	43.8	33.4	80.9	96.2	56.9	71.3	68.4	73.4	46.9	145	38.4	37.3	44.8	54.1	52.5	67.9	37.7	34.1	36.4	63.2	41.8	60	59.5	44.5	43.6	39.6	45.6	58.8	115	39.8	45.8
COD (settled)	mg/l	6	-	-		6	65	34																																
Chloromethane	ug/l	9	-	-		9	9	3																																
Chloromethane	ug/l	0.5	-	-		0.5	0.5	1																																
Chloromethane	ug/l	1	-	-		1	1	88																				*1*	*1*	*1*									*1*	*1*	
Cobalt	ug/l	0.06	-	-		0.06	39.3	135	0.076	0.14	*0.06*	0.577	0.173	0.082	0.115	6.65	0.248	0.297	0.799	0.849	0.126	0.226	0.261	0.39	0.193	0.615	1.42	1.56	0.775	1.93	0.499	2.62	0.123	0.364	0.06	0.11	0.146	0.302	1.35	0.221
Cobalt	ug/l	1	-	-		1	44	73																																

Key:

0.1 Result <LOD

0.1 Positive Detection >EQS Freshwater

0.1 Positive Detection >DWS (where EQS Freshwater not available)

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH309CP 10-Jun-15	BH309R 10-Jun-15	BH523RS 10-Jun-15	BH524CP 10-Jun-15	BH524R 10-Jun-15	BH525CP 10-Jun-15	BH525R 10-Jun-15	RGMBH13 10-Jun-15	RGMBH4 10-Jun-15	RGMBH4A 10-Jun-15	RGMBH5 10-Jun-15	RGMBH7 10-Jun-15	BH310CP 10-Jun-15	BH310R1 11-Jun-15	BH310R2 11-Jun-15	BH526CP 11-Jun-15	BH526RS 11-Jun-15	BH535CP 11-Jun-15	BH535R 11-Jun-15	BH1010 12-Jun-15	BH858 12-Jun-15	BH313 14-Sep-15	BH509CP 14-Sep-15	BH512CP 14-Sep-15	BH512R 14-Sep-15	BH518R 14-Sep-15	BH310CP 15-Sep-15	BH310R1 15-Sep-15	BH310R2 15-Sep-15	BH312 15-Sep-15	BH314 15-Sep-15	BH526CP 15-Sep-15
Electrical conductivity	**uS/cm**	**10**	**2500**			**15.6**	**18600**	**260**	518	355	317	832	609	344	620	397	518	384	1020	463	530	553	669	613	689	253	553	3770	540	475	823	851	516	503	577	570	706	775	424	605
Chromium	**ug/l**	**1**	**50**	**4.7**		**0.492**	**103**	**214**	7.6	0.492	0.824	1.11	1.97	5.08	1.94	1.03	1.5	1.08	2.94	2.04	3.29	1.62	1.55	3.56	1.69	1.49	2.75	13.1	5.08	2.02	4.58	9.44	3.29	4.31	5.67	4.52	4.98	5.67	11.2	5.08
Chromium (tot.unfilt)	**ug/l**	**3**	**50**	**4.7**			**3**	**3**	**6**																														
Chromium, Hexavalent	**mg/l**	**0.03**					**0.03**	**0.03**	**6**																														
Chrysene	**ug/l**	**1**					**1**	**1**	**77**																														
Chrysene	**ug/l**	**0.01**					**0.01**	**0.11**	**70**																														
Chrysene	**ug/l**	**0.013**					**0.013**	**0.013**	**6**																														
Carbon Tetrachloride	**ug/l**	**1.4**		**12**	**12**		**1.4**	**1.4**	**3**																														
Carbon Tetrachloride	**ug/l**	**0.1**		**12**	**12**		**0.1**	**0.1**	**1**																														
Carbon Tetrachloride	**ug/l**	**1**		**12**	**12**		**1**	**93**	**88**																					*1*	*1*	*1*					*1*	*1*	
Copper	**ug/l**	**0.85**		**1**			**0.85**	**134**	**141**	3.04	0.85	*0.85*	1.54	*0.85*	3.13	1.48	19.1	1.24	8.05	34.1	33.6	2.53	1.93	4.04	*0.85*	1.33	2.23	1.59	83.8	6.21	1.07	1.48	3.04	*0.85*	*0.85*	34.6	9.59	0.911	12.6	10.8	*0.85*
Copper	**ug/l**	**1**		**1**			**1**	**239**	**73**																														
Cyanide, Free	**mg/l**	**0.05**					**0.05**	**0.05**	**6**																														
Cyanide, Total	**mg/l**	**0.05**					**0.05**	**0.05**	**6**																														
Dibenzofuran	**ug/l**	**1**	**2000**		**3.76**		**1**	**1**	**77**																														
Dichlorodifluoromethane	**ug/l**	**7**					**7**	**7**	**3**																														
Dichlorodifluoromethane	**ug/l**	**1**					**1**	**1**	**82**																				*1*	*1*	*1*					*1*	*1*	
Diethyl phthalate	**ug/l**	**1**					**1**	**1**	**77**																														
Dibenzo(ah)anthracene	**ug/l**	**1.5**					**2**	**2**	**1**																														
Dibenzo(ah)anthracene	**ug/l**	**1**					**1**	**1**	**76**																														
Dibenzo(ah)anthracene	**ug/l**	**0.01**					**0.01**	**0.01**	**70**																														
Dibenzo(ah)anthracene	**ug/l**	**0.016**					**0.016**	**0.016**	**6**																														
Dibromochloromethane	**ug/l**	**1.7**					**1.7**	**1.7**	**3**																														
Dibromochloromethane	**ug/l**	**0.1**					**0.1**	**0.1**	**1**																														
Dibromochloromethane	**ug/l**	**3**					**1**	**9**	**88**																				*3*	*3*	*3*					*3*	*3*	
Dibromochloromethane	**ug/l**	**1**					**1**	**1**	**20**																				*1*	*1*	*1*					*1*	*1*	
Dibromomethane	**ug/l**	**2.7**					**2.7**	**2.7**	**3**																														
Dibromomethane	**ug/l**	**0.1**					**0.1**	**0.1**	**1**																														
Dibromomethane	**ug/l**	**1**					**1**	**1**	**88**																				*1*	*1*	*1*					*1*	*1*	
Dichloromethane VOC	**ug/l**	**3.7**		**20**	**20**		**3.7**	**3.7**	**3**																														
Dichloromethane VOC	**ug/l**	**0.5**		**20**	**20**		**0.5**	**0.5**	**1**																														
Dichloromethane VOC	**ug/l**	**5**		**20**	**20**		**5**	**20**	**19**																														
Dichloromethane VOC	**ug/l**	**20**		**20**	**20**		**20**	**20**	**49**																														
Dimethyl phthalate	**ug/l**	**1**					**1**	**9**	**77**																														
Di-isopropylamine	**ug/l**	**1**					**1**	**1**	**1**																														
Total Dissolved Solids	**mg/l**	**10**					**103**	**2540**	**223**	324		211	556	379	246	401	241	342	239	740	299	352	372	441	407	428	164	344	1060	368	318	602	570	341	332	337	321	433	478	284	348
Total Dissolved Solids	**mg/l**	**20**					**210**	**5510**	**34**																														
Total Suspended Solids	**mg/l**	**1**					**2**	**29500**	**131**	21	9	18	5040	409	640	463	462	130	150	195	16.3	254	15.5	13.5	89	2	195	158	736	813	4720	6050	918	30.8	100	134	37.9	12.7	720	154	279
n-Dibutylphthalate	**ug/l**	**1**					**1**	**1**	**77**																														
n-Dioctylphthalate	**ug/l**	**2**					**2**	**2**	**1**																														
n-Dioctylphthalate	**ug/l**	**5**					**5**	**448**	**76**																														
Ethyl tert-butyl ether	**ug/l**	**0.1**					**0.1**	**0.1**	**1**																														
BTEX - Ethyl Benzene	**ug/l**	**2.5**		**20**	**20**		**2.5**	**2.5**	**3**																														
BTEX - Ethyl Benzene	**ug/l**	**0.1**		**20**	**20**		**0.1**	**0.1**	**1**																														
BTEX - Ethyl Benzene	**ug/l**	**1**		**20**	**20**		**1**	**11**	**72**																														
BTEX - Ethyl Benzene	**ug/l**	**5**		**20**	**20**		**1**	**5**	**137**	*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*	*5*
Ethyl Benzene VOC	**ug/l**	**1**					**1**	**1**	**20**																				*1*	*1*	*1*					*1*	*1*	
Iron (dissolved)	**ug/l**	**10**	**200**	**1000**	**1000**	**10**	**8685**	**59**																														
Iron (dissolved)	**mg/l**	**0.019**	**0.2**	**1**	**1**	**0.019**	**54.2**	**135**	*0.019*	0.189	*0.019*	0.14	*0.019*	*0.019*	*0.019*	0.189	*0.019*	*0.019*	0.0259	1.49	*0.019*	0.302	0.276	0.0291	0.254	0.662	1.22	0.0204	0.253	0.128	*0.019*	0.61	*0.019*	0.0253	*0.019*	*0.019*	*0.019*	*0.019*	0.142	0.174
Ferrous iron Felt	**mg/l**	**0.1**	**0.2**	**1**	**1**	**0.1**	**2.2**	**129**																															
Ferric iron Felt	**mg/l**	**0.1**	**0.2**	**1**	**1**	**0.1**	**6.67**	**129**																															
Fluorene	**ug/l**	**0.01**					**0.01**	**0.14**	**70**																														
Fluorene	**ug/l**	**1**					**1**	**1**	**77**																														
Fluorene	**ug/l**	**0.014**					**0.014**	**0.014**	**6**																														
Fluoranthene	**ug/l**	**1**		**0.0063**	**0.0063**		**1**	**1**	**77**																														
Fluoranthene	**ug/l**	**0.01**		**0.0063**	**0.0063**		**0.01**	**0.44**	**70**																														
Fluoranthene	**ug/l**	**0.017**		**0.0063**	**0.0063**		**0.017**	**0.017**	**6**																														
Hexachlorocyclopentadiene	**ug/l**	**1.5**					**2**	**2**	**1**																														
Hexachlorocyclopentadiene	**ug/l**	**1**					**1**	**1**	**76**																														
Hexachloroethane	**ug/l**	**1**					**1**	**1**	**9**																														
Hexachloroethane	**ug/l**	**2**					**0.5**	**2**	**2**																														
Hexachloroethane	**ug/l**	**1**					**1**	**1**	**67**																														
Hexachlorobenzene	**ug/l**	**1**					**1**	**1**	**77**																														
Hexachlorobutadiene	**ug/l**	**2.5**					**2.5**	**2.5**	**3**																														
Hexachlorobutadiene	**ug/l**	**1.5**					**0.5**	**2**	**2**																														
Hexachlorobutadiene	**ug/l**	**1**					**1**	**1**	**92**																				*1*	*1*	*1*					*1*	*1*	
Mercury	**ug/l**	**0.01**	**1**	**0.07**	**0.07**	**0.01**	**0.0362**	**140**	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
Mercury	**ug/l**	**0.05**	**1**	**0.07**	**0.07**	**0.05**	**2.45**	**45**																															
Mercury	**ug/l**	**0.1**	**1**	**0.07**	**0.07**	**0.1**	**39.1**	**28**																															
Indeno(123-cd)pyrene	**ug/l**	**1.5**					**2**	**2**	**1**																														
Indeno(123-cd)pyrene	**ug/l**	**1**					**1**	**1**	**76**																														
Indeno(123-cd)pyrene	**ug/l**	**0.01**					**0.01**	**0.01**	**70**																														
Indeno(123-cd)pyrene	**ug/l**	**0.014**					**0.014**	**0.014**	**6**																														
Isopropylbenzene	**ug/l**	**1.4**					**1.4**	**1.4**	**3**																														
Isopropylbenzene	**ug/l**	**0.1**					**0.1**	**0.1**	**1**																														
Isopropylbenzene	**ug/l**	**1**					**1**	**3**	**88**																				*1*	*1*	*1*					*1*	*1*	
Isophorone	**ug/l**	**1**					**1**	**1**	**9**																														
Isophorone	**ug/l**						**1**	**1**	**1**																														
Isophorone	**ug/l**	**1**					**1**	**1**	**67**																														
Potassium	**mg/l**	**0.5**					**0.5**	**110**	**76**																														
Potassium	**mg/l**	**1**					**1**	**843**	**175**	*1*	*1*	*1*	36.3	1.98	5.21	1.02	3.22	1.2	4.58	42.7	1.01	2.94	*1*	1.13	2.26	1.88	*1*	3.1	16.6	1.19	3.56	4.96	3.82	1.69	1.49	3.12	*1*	1.57	3.29	6.22	2.13
Magnesium (dissolved)	**mg/l**	**0.036**					**0.036**	**54.8**	**141**	8.19	8.29	9.98	18.9	12	5.52	8.43	6.05	8.13	6.15	14.3	11.6	12.1	15.2	15.3	19.6	19.1	6.14	14.2	0.036	24	9.47	16	22.4	9.19	6.88	13.8	16.8	16	12.6	6.69	19.8
Magnesium (dissolved)	**mg/l**	**1**					**1**	**88.6**	**139**																														
Manganese	**ug/l**	**1**	**50**	**123**			**0.096**	**9400**	**291**	0.72	12.4	0.39	156	28.8	2.2	1260	17.1	2.66	117	1430	52.8	23.6	6.29	9.8	143	38.1	55.2	5.9	0.15	3.05	32.6	3.23	3.06	25	21	1.03	0.637	2.59	9.1	11.6	2.17
Molybdenum	**ug/l**	**0.24**					**0.24**	**33.9**	**135**	0.24	0.24	0.24	0.24	0.503	0.24	0.616	0.24	0.24	0.24	0.24	0.24	1.23	2.15	0.701	4.51	2.91	0.896	6.5	33.9	0.925	1.64	2.67	1.39	0.309	0.312	*0.24*	*0.24*	*0.24*	2.22	1.14	3.6
Molybdenum	**ug/l**	**0.5**					**0.5**	**59.2**	**79**																														
MTBE	**ug/l**	**1.6**					**1.6**	**1.6**	**3**																														
MTBE	**ug/l**	**0.1**					**0.1**	**0.1**	**1**																														
MTBE	**ug/l**	**1**					**1**	**1**	**78**																														
MTBE	**ug/l**	**3**					**3**	**3**	**131**	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*
BTEX - m & p Xylene	**ug/l**	**2.5**					**2.5**	**2.5**	**3**																														
BTEX - m & p Xylene	**ug/l**	**0.2**					**0.2**	**0.2**	**1**																														
BTEX - m & p Xylene	**ug/l**	**1**					**1**	**37**	**72**																														
BTEX - m & p Xylene	**ug/l**	**8**					**1**	**8**	**137**	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*
m & p Xylene VOC	**ug/l**	**1**					**1**	**1**	**20**																				*1*	*1*	*1*					*1*	*1*	
Sodium	**mg/l**	**0.5**					**1.61**	**825**	**236**	30	22	39.4	41.1	39	26.8	37.1	37.9	34.2	23.2	42.9	29	21.1	34.5	42.4	42.8	43.7	21.2	41.1	126	44.6	24.2	52.3	41.3	29.6	30.1	25.3	39.2	44.7	51.8	25.3	38.3
Sodium	**mg/l**	**1**					**24.3**	**1250**	**34**																														
Naphthalene1 -methyl-.	**ug/l**	**1**					**1**	**1**	**1**																														
Naphthalene	**ug/l**	**3.5**		**2.4**	**2.4**		**3.5**	**3.5**	**3**																														
Naphthalene	**ug/l**	**0.5**		**2.4**	**2.4**		**0.5**	**1**	**2**																														
Naphthalene	**ug/l**	**1**		**2.4**	**2.4**		**1**	**1**	**76**																														
Naphthalene	**ug/l**	**0.01**		**2.4**	**2.4**		**0.01**	**0.68**	**70**																														
Naphthalene	**ug/l**	**0.1**		**2.4**	**2.4**		**0.1**	**0.1**	**6**																														
n-Butylbenzene	**ug/l**	**2**					**2**	**2**	**3**																														
n-Butylbenzene	**ug/l**	**0.1**					**0.1**	**0.1**	**1**																														
n-Butylbenzene	**ug/l**	**1**					**1**	**1**	**88**																				*1*	*1*	*1*					*1*	*1*	
Nickel	**ug/l**	**0.15**	**20**	**4**	**8.6**	**0.15**	**48.9**	**141**	0.998	3.91	0.3	1.95	1.24	0.93	1.14	8.39	1.46	1.29	5.38	2.58	1.29	1.35	2.01	2.08	1.61	2.6	5.48	20.9	2.63	4.54	2.21	3.68	1.01	1.29	1.43	1.04	1.19	2.43	1.48	1.74
Nickel	**ug/l**	**1**	**20**	**4**	**8.6**		**1**	**56**	**73**																														
Nitrite as N	**mg/l**	**0.02**	**11.3**				**0.015**	**2.8405436**	**132**	0.015	0.074176	0.015	0.015	0.078736	0.015	0.015	0.015	0.04408	0.027056	0.077216	0.075088	0.015	0.015	0.015	0.015	0.015	0.015	0.015	1.0336	0.015	0.015	0.143402354	0.032273141	0.015	0.015	0.015	0.015	0.015	0.015	0.018267816	0.015
Nitrite as N	**mg/l**	**0.03**	**11.3**				**0.03**	**0.71**	**94**																														
Nitrite as N	**mg/l**	**0.1**	**11.3**				**0.1**	**0.3**	**34**																														
Nitrate as N	**mg/l**	**0.07**	**11.3**				**0.06**	**40.4361**	**138**	8.01945	7.77096	5.55714	3.90807	3.72735	7.25139	5.4216	1.312479	0.413397	5.94137	13.46364	3.6144	0.648333	1.703286	2.30418	*0.07*	*0.07*	1.075284	*0.07*	0.727398	1.091097	0.38403	19.96958	0.442764	3.99843	1.366695	0.824535	1.667142	2.37395	0.393066	1.337328	*0.07*
Nitrate as N	**mg/l**	**0.11**	**11.3**				**0.11**	**16.73**	**94**																														
Nitrate as N	**mg/l**	**0.5**	**11.3**				**0.6**	**47.8**	**34**																														
Nitrobenzene	**ug/l**	**1**					**1**	**1**	**77**																														
Nitrogen (kjeldahl)	**mg/l**	**0.1**					**0.2**	**8.4**	**93**																														
n-Nitroso-n-dipropylamine	**ug/l**	**1**					**1**	**1**	**71**																														
n-Propylbenzene	**ug/l**	**0.1**					**0.1**	**0.1**	**1**																														
n-Propylbenzene	**ug/l**	**1**					**1**	**2**	**74**																														
Nitrogen, Total	**mg/l**	**0.5**					**0.5**	**17.6**	**93**																														
BTEX - o Xylene	**ug/l**	**1.7**		**30**	**30**		**1.7**	**1.7**	**3**																														
BTEX - o Xylene	**ug/l**	**0.1**		**30**	**30**		**0.1**	**0.1**	**1**																														
BTEX - o Xylene	**ug/l**	**1**		**30**	**30**		**1**	**14**	**72**																														
BTEX - o Xylene	**ug/l**	**3**		**30**	**30**		**1**	**3**	**137**	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*
oXylene VOC	**ug/l**	**1**					**1**	**1**	**20**																				*1*	*1*	*1*					*1*	*1*	
Total PAH	**ug/l**	**0.01**					**0.01**	**1.57**	**70**																														
Lead	**ug/l**	**0.02**	**10**	**1.2**	**1.3**		**0.22**	**88.5**	**141**	0.043	0.224	0.028	0.088	0.028	0.054	0.036	0.354	*0.02*	*0.02*	0.166	1.43	0.043	0.212	0.398	0.045	0.168	0.736	1.4	0.393	0.533	0.08	0.112	0.089	0.067	0.223	0.12	*0.02*	0.034	0.197	0.09	0.022

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH309CP 10-Jun-15	BH309R 10-Jun-15	BH523RS 10-Jun-15	BH524CP 10-Jun-15	BH524R 10-Jun-15	BH525CP 10-Jun-15	BH525R 10-Jun-15	RGMBH13 10-Jun-15	RGMBH4 10-Jun-15	RGMBH4A 10-Jun-15	RGMBH5 10-Jun-15	RGMBH7 10-Jun-15	BH310CP 11-Jun-15	BH310R1 11-Jun-15	BH310R2 11-Jun-15	BH526CP 11-Jun-15	BH526RS 11-Jun-15	BH535CP 11-Jun-15	BH535R 11-Jun-15	BH1010 12-Jun-15	BH858 12-Jun-15	BH313 14-Sep-15	BH509CP 14-Sep-15	BH512CP 14-Sep-15	BH512R 14-Sep-15	BH518R 14-Sep-15	BH310CP 15-Sep-15	BH310R1 15-Sep-15	BH310R2 15-Sep-15	BH312 15-Sep-15	BH314 15-Sep-15	BH526CP 15-Sep-15
Lead	ug/l	1	10	1.2	1.3	1	43	73																																
Paclobutrazol	ug/l	2.6	-	-		2.6	2.6	3																																
Perylene	ug/l	1	-	-		1	1	73																																
Phenol SVOC	ug/l	3	-	-		3	3	1																																
Phenol SVOC	ug/l	1	-	-		1	4	76																																
Phosphorus, (total)	ug/l	100	-	-		100	100	34																																
Phosphorus, (total)	ug/l	100	-	-		100	2030	96																																
pH	pH	0.01	5.5 - 9.5	6 - 9		5.98	12.58	232	7.86	7.43	8.02	7.74	7.97	7.73	8.01	7.34	8.06	7.15	8.15	8.12	7.26	7.49	7.77	8.26	8.09	7.38	8.09	12.4	7.85	7.4	7.58	7.21	7.94	8.05	7.03	6.91	7.18	7.92	7.11	7.7
pH	pH	0.1	5.5 - 9.5	6 - 9		6.6	13.1	38																																
Pentachlorophenol	ug/l	1	-	0.4	0.4	1	1	77																																
Phenanthrene	ug/l	0.01	-	-		0.01	0.35	70																																
Phenanthrene	ug/l	1	-	-		1	1	77																																
Phenanthrene	ug/l	0.022	-	-		0.022	0.022	6																																
Pyrene	ug/l	0.01	-	-		0.01	0.41	70																																
Pyrene	ug/l	1	-	-		1	1	77																																
Pyrene	ug/l	0.015	-	-		0.015	0.015	6																																
Antimony (dissolved)	ug/l	0.16	5	-		0.16	6.63	135	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*	2.57	3.32	1.2	1.92	3.7	1.63	6.63	0.942	0.986	0.232	0.344	0.698	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*	0.269	0.536	*0.16*
Antimony (dissolved)	ug/l	1	5	-		1	4	49																																
Selenium	ug/l	0.39	10	-		0.39	9.72	141	*0.39*	1.08	*0.39*	*0.39*	2.26	*0.39*	1.23	*0.39*	*0.39*	*0.39*	1.91	*0.39*	1.99	2.05	1.39	1.29	1.92	1.01	9.72	2.07	1.75	1.56	1.01	9.56	1.05	0.631	1.4	0.907	0.984	1.89	1.31	0.51
Selenium	ug/l	1	10	-		1	4	73																																
sec-Butylbenzene	ug/l	1.7	-	-		1.7	1.7	3																																
sec-Butylbenzene	ug/l	0.1	-	-		0.1	0.1	1																																
sec-Butylbenzene	ug/l	1	-	-		1	1	88																					*1*	*1*	*1*							*1*	*1*	
Styrene	ug/l	1.2	-	50	50	1.2	1.52	3																																
Styrene	ug/l	0.5	-	50	50	0.5	0.5	1																																
Styrene	ug/l	1	-	50	50	1	1	88																					*1*	*1*	*1*							*1*	*1*	
Sulphate	mg/l	1	250	-		1	384	132																																
Sulphate	mg/l	2	250	-		2	226	138	25.3	17.5	25.5	84.3	41.9	23	29.9	23.1	28.5	14.4	56.1	20.1	26.1	34.7	42.3	33.3	35.3	14	24.7	2	30.3	7.6	92.7	41.5	30.6	23.8	26.8	33.6	43.5	41.1	6.4	24.2
Sulphide	mg/l	0.01	-	-		0.01	0.01	6																																
Sulphur, Free	mg/l	0.05	-	-		0.05	0.15	6																																
trans 1,2-Dichloroethene	ug/l	1.9	-	-		1.9	1.9	3																																
trans 1,2-Dichloroethene	ug/l	0.1	-	-		0.1	0.1	1																																
trans 1,2-Dichloroethene	ug/l	1	-	-		1	1	88																					*1*	*1*	*1*							*1*	*1*	
trans 1,3-Dichloropropene	ug/l	3.5	-	-		3.5	3.5	3																																
trans 1,3-Dichloropropene	ug/l	0.5	-	-		0.5	0.5	1																																
trans 1,3-Dichloropropene	ug/l	1	-	-		1	1	88																					*1*	*1*	*1*							*1*	*1*	
tert-Amyl methyl ether	ug/l	1	-	-		1	1	9																																
tert-Amyl methyl ether	ug/l	0.1	-	-		0.1	0.1	1																																
Trichlorofluoromethane	ug/l	1.3	-	-		1.3	1.3	3																																
Trichlorofluoromethane	ug/l	0.1	-	-		0.1	0.1	1																																
Trichlorofluoromethane	ug/l	1	-	-		1	1	88																					*1*	*1*	*1*							*1*	*1*	
tert-Butylbenzene	ug/l	2	-	-		2	2	3																																
tert-Butylbenzene	ug/l	0.1	-	-		0.1	0.1	1																																
tert-Butylbenzene	ug/l	2	-	-		2	2	68																																
tert-Butylbenzene	ug/l	1	-	-		1	1	20																					*1*	*1*	*1*							*1*	*1*	
Tetrachloroethene	ug/l	1.5	-	10	10	1.5	1.5	3																																
Tetrachloroethene	ug/l	0.1	-	10	10	0.1	0.1	1																																
Tetrachloroethene	ug/l	1	-	10	10	1	5	88																					*1*	*1*	*1*							*1*	*1*	
Hardness Total	mg/l CaCO3	2	-	-		18	1183	135																																
BTEX - Toluene	ug/l	1	-	-		1	77	72																																
BTEX - Toluene	ug/l	1.4	-	-		1.4	1.4	3																																
BTEX - Toluene	ug/l	0.1	-	-		0.1	0.1	1																																
BTEX - Toluene	ug/l	1	-	-		1	37	68																																
BTEX - Toluene	ug/l	4	-	-		4	7	137	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	7	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*
Toluene VOC	ug/l	1	-	-		1	7.9	14																				7.9	*1*	*1*									*1*	*1*	
Nitrogen, Total Oxidised TOxN	mg/l	0.5	-	-		0.5	16.78	127																																
Trichloroethene	ug/l	2.5	10	10	10	2.5	2.5	3																																
Trichloroethene	ug/l	0.1	10	10	10	0.1	0.1	1																																
Trichloroethene	ug/l	1	10	10	10	1	56.6	88																					*1*	*1*	*1*						15.6	*1*	
Vinyl Chloride	ug/l	1.2	-	-		1.2	1.2	3																																
Vinyl Chloride	ug/l	0.1	-	-		0.1	0.1	1																																
Vinyl Chloride	ug/l	1	-	-		1	1	88																					*1*	*1*	*1*							*1*	*1*	
Zinc	ug/l	0.41	5000	13.9	9.8	0.41	145	141	16.2	30.6	1.6	27.8	0.921	53.6	3.94	20.6	1.63	0.763	8.04	8.17	1.23	1.25	2.92	1.27	10.8	24.8	28.8	0.88	3.05	13.2	11.6	7.72	7.74	8.3	2.89	0.982	1.32	16.8	14.9	1.89
Zinc	ug/l	1	5000	13.9	9.8	1	194	73																																
EPH (C6-C10)	ug/l	100	-	-		100	100	131	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
GRO >C5-C10	ug/l	10	-	-		10	50	137	*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*
EPH Range >C10 C40 (aq)	ug/l	46	-	-		46	668	31																																
Total EPH (C6C40) (aq)	ug/l	100	10	-		100	3540	129	*100*	*100*	*100*	132	263	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	113	*100*	109	323	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*

Note: Groundwater data has been compiled from a mixture of AGS and Laboratory Cross-tabs reports. In order to aid assessment, less than symbols (<) have been removed from the data. Reference should be made to the original data contained within the factual reports (refer to the text of the Jacobs Risk Assessment and Remediation Strategy for further details).

Where determinands are reported multiple times these represent the different unit and limit of detection (LOD) combinations present within the original data.

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH526RS	RGMBH13	RGMBH1D	RGMBH1S	RGMBH2	RGMBH6	RGMBH7	BH309CP	BH309R	BH516A	BH528RS	BH524CP	BH524R	BH525CP	BH525R	BH535CP	BH535R	BH536R	RGMBH4	RGMBH4A	RGMBH5	BH858	BH1010	BH312	BH313	BH314	BH516A	BH858	BH528RS	BH524CP	BH524R	BH525CP
									15-Sep-15	15-Sep-15	15-Sep-15	15-Sep-15	15-Sep-15	15-Sep-15	15-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	17-Sep-15	18-Sep-15	14-Dec-15	14-Dec-15	14-Dec-15	14-Dec-15	14-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15
1,1,1,2-Tetrachloroethane	ug/l	1.3	-	140		1.3	1.3	3																															
1,1,1,2-Tetrachloroethane	ug/l	0.1	-	140		0.1	0.1	1																															
1,1,1,2-Tetrachloroethane	ug/l	1	-	140		1	1	88																						1	1	1	1	1	1				
1,1,1-Trichloroethane	ug/l	1.3	-	100	100	1.3	1.92	3																															
1,1,1-Trichloroethane	ug/l	0.1	-	100	100	1.16	1.16	1																															
1,1,1-Trichloroethane	ug/l	1	-	100	100	1	22	88																						2.69	1	1	1	1	1				
1,1,2,2-Tetrachloroethane	ug/l	5.2	-	-		5.2	5.2	3																															
1,1,2,2-Tetrachloroethane	ug/l	0.1	-	-		0.1	0.1	1																															
1,1,2,2-Tetrachloroethane	ug/l	1	-	-		1	1	88																						1	1	1	1	1	1				
1,1,2-Trichloroethane	ug/l	2.2	-	400	300	2.2	2.2	3																															
1,1,2-Trichloroethane	ug/l	0.1	-	400	300	0.1	0.1	1																															
1,1,2-Trichloroethane	ug/l	1	-	400	300	1	1	88																						1	1	1	1	1	1				
1,1-Dichloropropene	ug/l	1.3	-	-		1.3	1.3	3																															
1,1-Dichloropropene	ug/l	0.1	-	-		0.1	0.1	1																															
1,1-Dichloropropene	ug/l	1	-	-		1	1	88																						1	1	1	1	1	1				
1,1-Dichloroethane	ug/l	1.2	-	10	10	1.2	1.2	3																															
1,1-Dichloroethane	ug/l	0.1	-	10	10	0.1	0.1	1																															
1,1-Dichloroethane	ug/l	1	-	10	10	1	8	88																						1	1	1	1	1	1				
1,1-Dichloroethene	ug/l	1.2	-	-		1.2	1.2	3																															
1,1-Dichloroethene	ug/l	0.1	-	-		0.1	0.1	1																															
1,1-Dichloroethene	ug/l	1	-	-		1	33	88																						1	1	1	1	1	1				
1,2,3-Trichlorobenzene	ug/l	3.1	-	0.4	0.4	3.1	3.1	3																															
1,2,3-Trichlorobenzene	ug/l	0.5	-	0.4	0.4	0.5	0.5	1																															
1,2,3-Trichlorobenzene	ug/l	3	-	0.4	0.4	3	3	68																															
1,2,3-Trichlorobenzene	ug/l	1	-	-		1	1	20																						1	1	1	1	1	1				
1,2,3-Trichloropropane	ug/l	7.8	-	-		7.8	7.8	3																															
1,2,3-Trichloropropane	ug/l	0.5	-	-		0.5	0.5	1																															
1,2,3-Trichloropropane	ug/l	1	-	-		1	1	88																						1	1	1	1	1	1				
1,2,3-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																															
1,2,4-Trichlorobenzene	ug/l	1	-	-		1	1	3																															
1,2,4-Trichlorobenzene	ug/l	2.3	-	-		2.3	2.3	3																															
1,2,4-Trichlorobenzene	ug/l	0.5	-	-		0.5	1	2																															
1,2,4-Trichlorobenzene	ug/l	1	-	-		1	1	27																						1	1	1	1	1	1				
1,2,4-Trichlorobenzene	ug/l	3	-	-		3	3	68																															
1,2,4-Trimethylbenzene	ug/l	1.7	-	-		1.7	1.7	3																															
1,2,4-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																															
1,2,4-Trimethylbenzene	ug/l	1	-	-		1	1	88																						1	1	1	1	1	1				
1,2-Dibromo-3-chloropropane	ug/l	9.8	-	-		9.8	9.8	3																															
1,2-Dibromo-3-chloropropane	ug/l	0.1	-	-		0.1	0.1	1																															
1,2-Dibromo-3-chloropropane	ug/l	2	-	-		2	2	68																															
1,2-Dibromo-3-chloropropane	ug/l	1	-	-		1	1	20																						1	1	1	1	1	1				
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	23																						1	1	1	1	1	1				
1,2-Dichlorobenzene	ug/l	3.7	-	-		3.7	3.7	3																															
1,2-Dichlorobenzene	ug/l	0.1	-	-		0.1	0.1	1																															
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	8																															
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	68																															
1,2-Dichloroethane	ug/l	3.3	-	-		3.3	3.3	3																															
1,2-Dichloroethane	ug/l	0.1	-	-		0.1	0.1	1																															
1,2-Dichloroethane	ug/l	2	-	-		2	2	68																															
1,2-Dichloroethene	ug/l	1	-	-		1	1	20																						1	1	1	1	1	1				
cis 1,2-Dichloroethene	ug/l	2.3	-	-		2.3	2.3	3																															
cis 1,2-Dichloroethene	ug/l	0.1	-	-		0.1	0.1	1																															
cis 1,2-Dichloroethene	ug/l	1	-	-		1	3.81	88																						1	1	3.07	1	1	1				
1,2-Dibromoethane	ug/l	2.3	-	-		2.3	2.3	3																															
1,2-Dibromoethane	ug/l	0.1	-	-		0.1	0.1	1																															
1,2-Dibromoethane	ug/l	1	-	-		1	2	89																						1	1	1	1	1	1				
1,2-Dichloropropane	ug/l	3	-	-		3	3	3																															
1,2-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																															
1,2-Dichloropropane	ug/l	1	-	-		1	2	88																						1	1	1	1	1	1				
1,3,5- Trichlorobenzene	ug/l	10	-	-		10	10	3																															
1,3,5- Trichlorobenzene	ug/l	0.5	-	-		0.5	0.5	1																															
1,3,5-Trimethylbenzene	ug/l	1.8	-	-		1.8	1.8	3																															
1,3,5-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																															
1,3,5-Trimethylbenzene	ug/l	1	-	-		1	2	88																						1	1	1	1	1	1				
1,3,5-Trichlorobenzene	ug/l	1	-	-		1	1	6																															
1,3-Dichlorobenzene	ug/l	1	-	-		1	1	3																															
1,3-Dichlorobenzene	ug/l	2.2	-	-		2.2	2.2	3																															
1,3-Dichlorobenzene	ug/l	0.5	-	-		0.5	0.5	1																															
1,3-Dichlorobenzene	ug/l	1	-	-		1	1	90																						1	1	1	1	1	1				
cis 1,3-Dichloropropene	ug/l	1.9	-	-		1.9	1.9	3																															
cis 1,3-Dichloropropene	ug/l	0.1	-	-		0.1	0.1	1																															
cis 1,3-Dichloropropene	ug/l	1	-	-		1	1	88																						1	1	1	1	1	1				
1,3-Dinitrobenzene	ug/l	1	-	-		1	1	1																															
1,3-Dichloropropane	ug/l	2.2	-	-		2.2	2.2	3																															
1,3-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																															
1,3-Dichloropropane	ug/l	1	-	-		1	1	88																						1	1	1	1	1	1				
1,4-Dichlorobenzene	ug/l	2.7	20	20		2.7	2.7	3																															
1,4-Dichlorobenzene	ug/l	0.1	20	20		0.1	3	2																															
1,4-Dichlorobenzene	ug/l	1	20	20		1	1	73																															
1,4-Dinitrobenzene	ug/l	1	-	-		1	1	1																															
2,2-Dichloropropane	ug/l	3.8	-	-		3.8	3.8	3																															
2,2-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																															
2,2-Dichloropropane	ug/l	1	-	-		1	1	88																						1	1	1	1	1	1				
2,3,4,6- Tetrachlorophenol	ug/l	1	-	-		1	1	1																															
2,4,5-Trichlorophenol	ug/l	1	-	-		1	1	77																															
2,4,6-Trichlorophenol	ug/l	1	-	-		1	1	77																															
2,4-Dichlorophenol	ug/l	1	4.2	0.42		1	1	77																															
2,4-Dimethylphenol	ug/l	1	-	-		1	1	77																															
2,4-Dinitrophenol	ug/l	1	-	-		1	1	67																															
2,4-Dinitrotoluene	ug/l	1	-	-		1	1	77																															
2,6-Dinitrotoluene	ug/l	1	-	-		1	1	77																															
2-Chloronaphthalene	ug/l	1	-	-		1	1	77																															
2-Chlorophenol	ug/l	1	-	-		1	1	77																															
2-Chlorotoluene	ug/l	1.9	-	-		1.9	1.9	3																															
2-Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																															
2-Chlorotoluene	ug/l	1	-	-		1	2	88																						1	1	1	1	1	1				
2-Methylnaphthalene	ug/l	1	-	-		1	1	77																															
2-Methylphenol	ug/l	1	-	-		1	1	76																															
2- Nitroaniline	ug/l	1	-	-		1	1	10																															
2-Nitrophenol	ug/l	1	-	-		1	1	77																															
3,4-Methylphenol	ug/l	1	-	-		1	1	1																															
3- Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																															
3- Nitroaniline	ug/l	1	-	-		1	1	9																															
3,4-Nitroaniline	ug/l	2	-	-		2	2	1																															
4,6-Dinitro-2-methylphenol	ug/l	1	-	-		1	1	67																															
4-Bromophenyl phenyl ether	ug/l	1	-	-		1	1	77																															
4-Chloro-3-methylphenol	ug/l	1	-	-		1	1	73																															
4 - Chloro - 3 - Methlphenol	ug/l	1	-	-		1	1	4																															
4- Chloroaniline	ug/l	1	-	-		1	1	10																															
4- Chlorophenyl phenyl ether	ug/l	1	-	-		1	1	10																															
4-Chlorotoluene	ug/l	1.9	-	-		1.9	1.9	3																															
4-Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																															
4-Chlorotoluene	ug/l	1	-	-		1	2	88																						1	1	1	1	1	1				
4-Isopropyltoluene	ug/l	2.6	-	-		2.6	2.6	3																															
4-Isopropyltoluene	ug/l	0.1	-	-		0.1	0.1	1																															
4-Isopropyltoluene	ug/l	1	-	-		1	1	82																						1	1	1	1	1	1				
4-Methylphenol	ug/l	1	-	-		1	1	76																															
4- Nitroaniline	ug/l	1	-	-		1	1	9																															
4-Nitrophenol	ug/l	1	-	-		1	1	76																															
Acenaphthylene	ug/l	0.01	-	-		0.01	0.01	70																															
Acenaphthylene	ug/l	0.011	-	-		0.011	0.011	6																															

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH526RS 15-Sep-15	RGMBH13 15-Sep-15	RGMBH1D 15-Sep-15	RGMBH1S 15-Sep-15	RGMBH2 15-Sep-15	RGMBH6 15-Sep-15	RGMBH7 15-Sep-15	BH309CP 16-Sep-15	BH309R 16-Sep-15	BH516A 16-Sep-15	BH528S 16-Sep-15	BH524CP 16-Sep-15	BH524R 16-Sep-15	BH525CP 16-Sep-15	BH525R 16-Sep-15	BH535CP 16-Sep-15	BH535R 16-Sep-15	BH536R 16-Sep-15	RGMBH4 16-Sep-15	RGMBH4A 16-Sep-15	RGMBH5 16-Sep-15	BH858 17-Sep-15	BH1010 18-Sep-15	BH312 14-Dec-15	BH313 14-Dec-15	BH314 14-Dec-15	BH516A 14-Dec-15	BH858 14-Dec-15	BH523RS 15-Dec-15	BH524CP 15-Dec-15	BH524R 15-Dec-15	BH525CP 15-Dec-15
Acenaphthylene	ug/l	1				1	1	77																														
Acenaphthene	ug/l	0.01				0.01	0.09	70																														
Acenaphthene	ug/l	0.015				0.015	0.015	6																														
Acenaphthene	ug/l	1				1	1	77																														
Aluminium (dissolved)	ug/l	2.9				2.9	6070	135	*2.9*	4.29	*2.9*	*2.9*	*2.9*	*2.9*	*2.9*	35.1	*2.9*	*2.9*	*2.9*	5.24	*2.9*	4.14	*2.9*	*2.9*	*2.9*	12.6	*2.9*	12.1	23.9	3.52	221	3.09	6.05	6.17	*2.9*	7.42	*2.9*	11.9	*2.9*	7.21
Aluminium (dissolved)	ug/l	10				10	465	45																														
Alkalinity by titration (bicarbonate)	mg/l CaCO3	2				2	490	226	280	100	350	370	115	95	185	110	90	290	70	280	275	65	200	65	250	200	295	160	305	140	2	175	90	90	180	140	60	190	190	23.5
Alkalinity (total)	mg/l CaCO3	2				23.5	3170	226	280	100	350	370	115	95	185	110	90	290	70	280	275	65	200	65	250	200	295	160	305	140	1350	175	90	90	180	140	60	190	190	23.5
Alkalinity (total)	mg/l CaCO3	20				72	585	34																														
Ammoniacal nitrogen	mg/l	0.01	0.5			0.01	9.5	95																														
Ammoniacal nitrogen	mg/l	0.1	0.5			0.1	4.4	34																														
Ammoniacal nitrogen	mg/l	0.3	0.5			0.2	6.09	138	0.351	*0.3*	*0.3*	0.378	*0.3*	*0.3*	5.22	*0.3*	*0.3*	0.345	*0.3*	6.09	0.35	*0.3*	*0.3*	*0.3*	0.518	*0.3*	0.363	0.644	*0.3*	*0.3*	3.96	*0.3*	*0.3*	*0.3*	*0.3*	*0.3*	*0.3*	1.81	*0.3*	*0.3*
Anthracene	ug/l	0.01		0.1	0.1	0.01	0.04	70																														
Anthracene	ug/l	1		0.1	0.1	1	1	71																														
Anthracene	ug/l	0.015		0.1	0.1	0.015	0.015	6																														
Arsenic	ug/l	0.12	10	50	25	0.12	48.1	141	2.76	0.803	4.01	5.04	0.324	0.259	0.456	1.57	1.56	0.494	*0.12*	2.19	0.931	*0.12*	*0.12*	*0.12*	0.927	*0.12*	1.72	0.521	2.13	*0.12*	3.54	0.713	0.894	0.662	0.329	0.53	0.902	1.84	0.251	0.234
Arsenic	ug/l	1	10	50	25	1	5	73																														
Beryllium (diss.filt)	ug/l	0.07				0.07	0.113	6																														
Azobenzene	ug/l	1				1	1	10																														
Boron	ug/l	10				10	45	28																														
Bis(2-chloroethyl)ether	ug/l	1				1	1	73																														
Bis(2-chloroethoxy)methane	ug/l	1				1	1	77																														
bis (2 - chloroethyl) ether	ug/l	1				1	1	4																														
Bis(2-chloroisopropyl)ether	ug/l	1				1	1	69																														
Bis(2-ethylhexyl)phthalate	ug/l	2		1.3	1.3	2	5	76																														
Butylbenzyl phthalate	ug/l	1.5		7.5	0.75	2	2	1																														
Butylbenzyl phthalate	ug/l	1		7.5	0.75	1	1	76																														
Benzo(a)anthracene	ug/l	1				1	1	77																														
Benzo(a)anthracene	ug/l	0.01				0.01	0.06	70																														
Benzo(a)anthracene	ug/l	0.017				0.017	0.017	6																														
Benzo(a)pyrene	ug/l	1		0.00017	0.00017	1	1	77																														
Benzo(a)pyrene	ug/l	0.01		0.00017	0.00017	0.01	0.03	70																														
Benzo(a)pyrene	ug/l	0.009		0.00017	0.00017	0.009	0.009	6																														
Benzo(b)fluoranthene	ug/l	1		0.017	0.017	1	1	77																														
Benzo(b)fluoranthene	ug/l	0.01		0.017	0.017	0.01	0.04	70																														
Benzo(b)fluoranthene	ug/l	0.023		0.017	0.017	0.023	0.023	6																														
Benzo(ghi)perylene	ug/l	2		0.0082	0.00082	2	2	1																														
Benzo(ghi)perylene	ug/l	1		0.0082	0.00082	1	1	76																														
Benzo(ghi)perylene	ug/l	0.01		0.0082	0.00082	0.01	0.01	70																														
Benzo(ghi)perylene	ug/l	0.016		0.0082	0.00082	0.016	0.016	6																														
Benzo(k)fluoranthene	ug/l	1		0.017	0.017	1	1	77																														
Benzo(k)fluoranthene	ug/l	0.01		0.017	0.017	0.01	0.03	70																														
Benzo(k)fluoranthene	ug/l	0.027		0.017	0.017	0.027	0.027	6																														
BTEX - Benzene	ug/l	1.3	1	10	8	1.3	1.3	3																														
BTEX - Benzene	ug/l	0.1	1	10	8	0.1	0.1	1																														
BTEX - Benzene	ug/l	1	1	10	8	1	3	72																														
BTEX - Benzene	ug/l	7	1	10	8	7	7	137	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*
Benzene VOC	ug/l	1				1	1	14																						*1*	*1*	*1*	*1*	*1*	*1*					
Benzyl alcohol	ug/l	5				5	5	1																														
BOD (settled, 5 day)	mg/l	1				1	30	34																														
Bromobenzene	ug/l	2				2	2	3																														
Bromobenzene	ug/l	0.1				0.1	0.1	1																														
Bromobenzene	ug/l	1				1	1	88																						*1*	*1*	*1*	*1*	*1*	*1*					
Bromochloromethane	ug/l	1.9				1.9	1.9	3																														
Bromochloromethane	ug/l	0.1				0.1	0.1	1																														
Bromochloromethane	ug/l	5				5	5	68																														
Bromochloromethane	ug/l	1				1	1	20																						*1*	*1*	*1*	*1*	*1*	*1*					
Bromoform	ug/l	3				3	3	3																														
Bromoform	ug/l	0.1				0.1	0.1	1																														
Bromoform	ug/l	1				1	2	88																						*1*	*1*	*1*	*1*	*1*	*1*					
Bromomethane	ug/l	2				2	2	3																														
Bromomethane	ug/l	1				1	1	88																						*1*	*1*	*1*	*1*	*1*	*1*					
Bromodichloromethane	ug/l	0.9				0.9	0.9	3																														
Bromodichloromethane	ug/l	0.1				0.1	0.1	1																														
Bromodichloromethane	ug/l	10				10	10	68																														
Bromodichloromethane	ug/l	1				1	1	20																						*1*	*1*	*1*	*1*	*1*	*1*					
All >C5-C6	ug/l	1				1	13	72																														
All >C5-C6	ug/l	10				10	10	6																														
Aro >C5-C7	ug/l	1				1	3	72																														
Aro >C5-C7	ug/l	10				10	10	6																														
Total TPH Aliphatic and Aromatic C5-C35	ug/l	5	10			5	1270	23																														
Total Aliphatics	ug/l	5				5	2519	72																														
Total Aliphatics	ug/l	10				10	84	6																														
TPH (All & Aro)	ug/l	5	10			5	12202	66																														
TPH (All & Aro)	ug/l	10	10			10	105	6																														
Total Aromatics	ug/l	5				5	12002	72																														
Total Aromatics	ug/l	10				10	21	6																														
All >C6-C8	ug/l	1				1	8	72																														
All >C6-C8	ug/l	10				10	10	6																														
Aro >C7-C8	ug/l	1				1	77	72																														
Aro >C7-C8	ug/l	10				10	10	6																														
Aro >C8-C9	ug/l	1				1	62	72																														
Aro >C8-C9	ug/l	10				10	10	6																														
All >C8-C10	ug/l	1				1	74	72																														
All >C8-C10	ug/l	10				10	10	6																														
Aro >C9-C10	ug/l	1				1	7	72																														
Aro >C9-C10	ug/l	10				10	10	6																														
All >C10-C12	ug/l	5				5	5	72																														
All >C10-C12	ug/l	10				10	10	6																														
Aro >C10-C12	ug/l	5				5	62	72																														
Aro >C10-C12	ug/l	10				10	10	6																														
All >C12-C16	ug/l	5				5	61	72																														
All >C12-C16	ug/l	10				10	10	6																														
Aro >C12-C16	ug/l	5				5	64	72																														
Aro >C12-C16	ug/l	10				10	10	6																														
All >C16-C21	ug/l	5				5	343	72																														
All >C16-C21	ug/l	10				10	24	6																														
Aro >C16-C21	ug/l	5				5	11557	72																														
Aro >C16-C21	ug/l	10				10	10	6																														
All >C21-C35	ug/l	5				5	2469	72																														
All >C21-C35	ug/l	10				10	60	6																														
Aro >C21-C35	ug/l	5				5	1070	72																														
Aro >C21-C35	ug/l	10				10	21	6																														
Calcium (dissolved)	mg/l	1				1.77	474	270	73.7	40.2	87	93.2	95.7	34	58	45.5	33.4	76.9	7.79	75.9	60.5	26.7	74.2	19.5	56.8	67	59.8	46.7	126	46.1	381	79.4	40.5	43	79.6	42.5	9.08	1.77	55.8	24.2
Chlorobenzene	ug/l	3.5				3.5	3.5	3																														
Chlorobenzene	ug/l	0.1				0.1	0.1	1																														
Chlorobenzene	ug/l	1				1	1	88																						*1*	*1*	*1*	*1*	*1*	*1*					
Carbazole	ug/l	1				1	1	77																														
Cadmium	ug/l	0.05	5	0.15	0.2	0.05	0.12	45																														
Cadmium	ug/l	0.1	5	0.15	0.2	0.1	1.16	141	*0.1*	*0.1*	*0.1*	*0.1*	0.183	*0.1*	*0.1*	*0.1*	*0.1*	0.101	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	0.114	*0.1*	0.103	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
Cadmium	ug/l	1	5	0.15	0.2	1	1	28																														
Carbon Disulphide	ug/l	1.3				1.3	1.3	3																														
Carbon Disulphide	ug/l	0.1				0.1	0.1	1																														
Carbon Disulphide	ug/l	1				1	1	88																						*1*	*1*	*1*	*1*	*1*	*1*					
Chloroethane	ug/l	2.5				2.5	2.5	3																														
Chloroethane	ug/l	1				1	1	88																						*1*	*1*	*1*	*1*	*1*	*1*					
Chloroform	ug/l	1.8		2.5	2.5	1.8	1.8	3																														
Chloroform	ug/l	0.1		2.5	2.5	0.238	0.238	1																														
Chloroform	ug/l	25		2.5	2.5	25	25	68																														
Chloroform	ug/l	1		2.5	2.5	1	1.06	20																						1.06	*1*	*1*	*1*	*1*	*1*					
Chloride (w)	mg/l	1		250		20.64	285	266	65.9	88.7	48.4	47.6	248	37.6	38	44.7	43.3	48.1	33.9	47.8	99.7	49.8	69.7	32.3	37.5	37.2	71.6	48.6	163	88.9	52.2	88.9	55.4	67.2	52.2	71.5	29.7	109	70.2	69.5
COD (settled)	mg/l	6				6	65	34																														
Chloromethane	ug/l	9				9	9	3																														
Chloromethane	ug/l	0.5				0.5	0.5	1																														
Chloromethane	ug/l	1				1	1	88																						*1*	*1*	*1*	*1*	*1*	*1*					
Cobalt	ug/l	0.06				0.06	39.3	135	0.166	1.68	0.193	0.803	0.183	0.409	0.173	0.107	0.331	1.03	*0.06*	0.506	0.136	0.105	0.184	*0.06*	0.386	0.094	0.264	1.1	0.673	0.085	15.8	0.27	0.452	0.267	0.274	0.116	*0.06*	0.498	0.399	0.1
Cobalt	ug/l	1				1	44	73																														

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH526RS 15-Sep-15	RGMBH13 15-Sep-15	RGMBH1D 15-Sep-15	RGMBH1S 15-Sep-15	RGMBH2 15-Sep-15	RGMBH6 15-Sep-15	RGMBH7 15-Sep-15	BH309CP 16-Sep-15	BH309R 16-Sep-15	BH516A 16-Sep-15	BH528S 16-Sep-15	BH524CP 16-Sep-15	BH524R 16-Sep-15	BH525CP 16-Sep-15	BH525R 16-Sep-15	BH535CP 16-Sep-15	BH535R 16-Sep-15	BH536R 16-Sep-15	RGMBH4 16-Sep-15	RGMBH4A 16-Sep-15	RGMBH5 16-Sep-15	BH858 17-Sep-15	BH1010 18-Sep-15	BH312 14-Dec-15	BH313 14-Dec-15	BH314 14-Dec-15	BH516A 14-Dec-15	BH858 14-Dec-15	BH523RS 15-Dec-15	BH524CP 15-Dec-15	BH524R 15-Dec-15	BH525CP 15-Dec-15
Electrical conductivity	uS/cm	10	2500			15.6	18600	260	692	494	724	741	1160	336	476	406	357	553	300	767	595	15.6	585	245	528	449	522	459	1070	576	4550	631	347	373	531	535	200	678	532	296
Chromium	ug/l	1	50	4.7		0.492	103	214	11.2	7.77	9.71	7.65	10.3	8.09	7.65	3.65	8.23	11.3	3.8	2.89	7.25	2.97	5.92	10.3	7.24	9.12	6.44	6.94	9.06	1.5	7.13	9.07	4.27	4.93	6.07	10.1	4.58	1.52	7.43	7.66
Chromium (tot.unfilt)	ug/l	3	50	4.7		3	3	6																															
Chromium, Hexavalent	mg/l	0.03				0.03	0.03	6																															
Chrysene	ug/l	1				1	1	77																															
Chrysene	ug/l	0.01				0.01	0.11	70																															
Chrysene	ug/l	0.013				0.013	0.013	6																															
Carbon Tetrachloride	ug/l	1.4		12	12	1.4	1.4	3																															
Carbon Tetrachloride	ug/l	0.1		12	12	0.1	0.1	1																															
Carbon Tetrachloride	ug/l	1		12	12	1	93	88																						1	1	1	1	1	1				
Copper	ug/l	0.85		1		0.85	134	141	0.85	11	1.34	0.85	14.1	10.1	1.4	1.43	44	26.3	0.85	0.85	0.85	34.8	1.43	0.913	0.85	0.995	0.85	9.83	23.1	1.08	0.85	0.85	1.49	0.85	0.85	1.83	0.891	3.84	0.85	5.1
Copper	ug/l	1		1		1	239	73																															
Cyanide, Free	mg/l	0.05				0.05	0.05	6																															
Cyanide, Total	mg/l	0.05				0.05	0.05	6																															
Dibenzofuran	ug/l	1	2000		3.76	1	1	77																															
Dichlorodifluoromethane	ug/l	7				7	7	3																															
Dichlorodifluoromethane	ug/l	1				1	1	82																															
Diethyl phthalate	ug/l	1				1	1	77																															
Dibenzo(ah)anthracene	ug/l	1.5				2	2	1																															
Dibenzo(ah)anthracene	ug/l	1				1	1	76																															
Dibenzo(ah)anthracene	ug/l	0.01				0.01	0.01	70																															
Dibenzo(ah)anthracene	ug/l	0.016				0.016	0.016	6																															
Dibromochloromethane	ug/l	1.7				1.7	1.7	3																															
Dibromochloromethane	ug/l	0.1				0.1	0.1	1																															
Dibromochloromethane	ug/l	3				1	9	88																						1	1	1	1	1	1				
Dibromochloromethane	ug/l	1				1	1	20																						1	1	1	1	1	1				
Dibromomethane	ug/l	2.7				2.7	2.7	3																															
Dibromomethane	ug/l	0.1				0.1	0.1	1																															
Dibromomethane	ug/l	1				1	1	88																						1	1	1	1	1	1				
Dichloromethane VOC	ug/l	3.7		20	20	3.7	3.7	3																															
Dichloromethane VOC	ug/l	0.5		20	20	0.5	0.5	1																															
Dichloromethane VOC	ug/l	5		20	20	5	20	19																															
Dichloromethane VOC	ug/l	20		20	20	20	20	49																															
Dimethyl phthalate	ug/l	1				1	9	77																															
Di-isopropylamine	ug/l	1				1	1	1																															
Total Dissolved Solids	mg/l	10				103	2540	223	420	304	441	423	876	182	298	248	214	308	170	483	338	135	393	170	334	285	310	265	805	386	1320	438	238	296	363	323	157	458	328	213
Total Dissolved Solids	mg/l	20				210	5510	34																															
Total Suspended Solids	mg/l	1				2	29500	151	20	587	128	273	83.6	310	58.5	12500	123	2830	89	9670	367	1560	496	1080	155	860	651	1460	461	665	29500	1720	170	109	44	173	5	8760	372	652
n-Dibutylphthalate	ug/l	1				1	1	77																															
n-Dioctylphthalate	ug/l	2				2	2	1																															
n-Dioctylphthalate	ug/l	5				5	448	76																															
Ethyl tert-butyl ether	ug/l	0.1				0.1	0.1	1																															
BTEX - Ethyl Benzene	ug/l	2.5		20	20	2.5	2.5	3																															
BTEX - Ethyl Benzene	ug/l	0.1		20	20	0.1	0.1	1																															
BTEX - Ethyl Benzene	ug/l	1		20	20	1	11	72																															
BTEX - Ethyl Benzene	ug/l	5		20	20	1	5	137	*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*	*5*	*5*
Ethyl Benzene VOC	ug/l	1				1	1	20																						1	1	1	1	1	1				
Iron (dissolved)	ug/l	10	200	1000	1000	10	8685	59																															
Iron (dissolved)	mg/l	0.019	0.2	1	1	0.019	54.2	135	0.161	*0.019*	*0.019*	0.102	*0.019*	*0.019*	*0.019*	0.0387	*0.019*	0.0652	*0.019*	0.133	*0.019*	*0.019*	*0.019*	*0.019*	0.13	*0.019*	0.0375	0.233	*0.019*	*0.019*	0.0197	0.0244	0.267	*0.019*	*0.019*	*0.019*	*0.019*	0.21	0.0363	*0.019*
Ferrous iron Fe II	mg/l	0.1	0.2	1	1	0.1	2.2	129																															
Ferric iron FeIII	mg/l	0.1	0.2	1	1	0.1	6.67	129																															
Fluorene	ug/l	0.01				0.01	0.14	70																															
Fluorene	ug/l	1				1	1	77																															
Fluorene	ug/l	0.014				0.014	0.014	6																															
Fluoranthene	ug/l	1		0.0063	0.0063	1	1	77																															
Fluoranthene	ug/l	0.01		0.0063	0.0063	0.01	0.44	70																															
Fluoranthene	ug/l	0.017		0.0063	0.0063	0.017	0.017	6																															
Hexachlorocyclopentadiene	ug/l	1.5				2	2	1																															
Hexachlorocyclopentadiene	ug/l	1				1	1	76																															
Hexachloroethane	ug/l	1				1	1	9																															
Hexachloroethane	ug/l	2				0.5	2	2																															
Hexachloroethane	ug/l	1				1	1	67																															
Hexachlorobenzene	ug/l	1				1	1	77																															
Hexachlorobutadiene	ug/l	2.5				2.5	2.5	3																															
Hexachlorobutadiene	ug/l	1.5				0.5	2	2																															
Hexachlorobutadiene	ug/l	1				1	1	92																						1	1	1	1	1	1				
Mercury	ug/l	0.01	1	0.07	0.07	0.01	0.0362	140	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
Mercury	ug/l	0.05	1	0.07	0.07	0.05	2.45	45																															
Mercury	ug/l	0.1	1	0.07	0.07	0.1	39.1	28																															
Indeno(123-cd)pyrene	ug/l	1.5				2	2	1																															
Indeno(123-cd)pyrene	ug/l	1				1	1	76																															
Indeno(123-cd)pyrene	ug/l	0.01				0.01	0.01	70																															
Indeno(123-cd)pyrene	ug/l	0.014				0.014	0.014	6																															
Isopropylbenzene	ug/l	1.4				1.4	1.4	3																															
Isopropylbenzene	ug/l	0.1				0.1	0.1	1																															
Isopropylbenzene	ug/l	1				1	3	88																						1	1	1	1	1	1				
Isophorone	ug/l	1				1	1	9																															
Isophorone	ug/l					1	1	1																															
Isophorone	ug/l	1				1	1	67																															
Potassium	mg/l	0.1				0.5	110	76																															
Potassium	ug/l	1				1	843	175	1.86	3.63	2.89	2.44	4.32	1.15	1.01	*1*	*1*	1.93	*1*	52.4	1.29	5.51	1.22	*1*	2.54	2.13	1.36	6.03	27.8	2.69	19.3	3.55	2.13	5.63	1.93	1.35	1.36	*1*	8.49	5.48
Magnesium (dissolved)	mg/l	0.036				0.036	54.8	141	17.7	8.55	23.3	22.8	29.7	7.82	11.8	8.88	8.38	11.4	9.02	19.1	12.2	6.03	8.23	5.99	13.7	5.16	8.17	7.6	16.1	13.4	*0.036*	8.95	4.87	5.06	7.71	10.4	9.85	18.4	12.7	5.33
Magnesium (dissolved)	mg/l	1				1	88.6	149																															
Manganese	ug/l	1	50	123		0.096	9400	291	182	37.1	54	622	9400	3.23	626	5.16	44.5	105	0.239	218	17.6	25.2	1498	1.29	464	1.15	4032	458	5420	1.52	77.8	27.1	143	45.9	0.422	61.3	0.763	79.7	249	3.55
Molybdenum	ug/l	0.24				0.24	33.9	135	1.45	*0.24*	0.871	1.33	0.547	*0.24*	2.06	*0.24*	*0.24*	0.566	0.275	*0.24*	*0.24*	*0.24*	*0.24*	0.337	*0.24*	4.97	*0.24*	*0.24*	1.22	*0.24*	0.768	0.576	1.37	0.448	0.578	0.355	0.244	*0.24*	0.429	0.371	*0.24*
Molybdenum	ug/l	0.5				0.5	59.2	79																															
MTBE	ug/l	1.6				1.6	1.6	3																															
MTBE	ug/l	0.1				0.1	0.1	1																															
MTBE	ug/l	1				1	1	79																															
MTBE	ug/l	3				3	3	131	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*
BTEX - m & p Xylene	ug/l	2.5				2.5	2.5	3																															
BTEX - m & p Xylene	ug/l	0.2				0.2	0.2	1																															
BTEX - m & p Xylene	ug/l	1				1	37	72																															
BTEX - m & p Xylene	ug/l	8				1	8	137	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*	*8*
m & p Xylene VOC	ug/l	1				1	1	20																						1	1	1	1	1	1				
Sodium	mg/l	0.5				1.61	825	236	45.2	38.2	32.5	32.7	86.2	21.7	29.1	23.5	23.7	31	42	25.7	42.7	28.7	37.1	19.3	41.8	22.2	36.5	28.7	52.2	46.5	120	40.6	21.4	23.7	21.4	45.9	19.4	1.61	32	26.3
Sodium	mg/l	1				24.3	1250	34																															
Naphthalene1 -methyl-.	ug/l	1				1	1	1																															
Naphthalene	ug/l	3.5		2.4	2.4	3.5	3.5	3																															
Naphthalene	ug/l	0.5		2.4	2.4	0.5	1	2																															
Naphthalene	ug/l	1		2.4	2.4	1	1	76																															
Naphthalene	ug/l	0.01		2.4	2.4	0.01	0.68	70																															
Naphthalene	ug/l	0.1		2.4	2.4	0.1	0.1	6																															
n-Butylbenzene	ug/l	2				2	2	3																															
n-Butylbenzene	ug/l	0.1				0.1	0.1	1																															
n-Butylbenzene	ug/l	1				1	1	88																						1	1	1	1	1	1				
Nickel	ug/l	0.15	20	4	8.6	0.15	48.9	141	1.36	10.9	1.98	2.12	3.06	1.68	0.97	0.553	1.41	3.3	*0.15*	1.26	0.328	1.07	0.48	1.17	1.18	0.752	1	2.01	9.14	1.36	23.9	1.9	1.12	1.5	1.74	0.917	0.583	1.65	1.3	0.856
Nickel	ug/l	1	20	4	8.6	1	56	73																															
Nitrite as N	mg/l	0.02	11.3			0.015	2.840546356	132	0.015	0.015	0.015	0.015	0.015	0.015	0.039884731	0.015	0.154719791	0.015	0.015	0.015	0.056021302	0.015	0.015	0.015	0.015	0.015	0.027706187	0.060588256	0.081596244	0.015	2.840645358	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.055	0.015
Nitrite as N	mg/l	0.03	11.3			0.03	0.71	94																															
Nitrite as N	mg/l	0.1	11.3			0.1	0.3	34																															
Nitrate as N	mg/l	0.07	11.3			0.06	40.4361	138	*0.07*	2.188971	0.363699	*0.07*	1.524825	2.64303	3.6144	7.81614	7.07067	0.890046	6.70923	1.036881	3.86289	5.98635	5.69268	1.271817	*0.07*	3.93066	0.160389	3.43368	12.58261	4.76649	0.336591	4.26944831	0.896809752	0.853889386	0.973634618	2.733349622	2.914066953	3.207732615	1.999185468	7.544948544
Nitrate as N	mg/l	0.11	11.3			0.11	16.73	94																															
Nitrate as N	mg/l	0.5	11.3			0.6	47.8	34																															
Nitrobenzene	ug/l	1				1	1	77																															
Nitrogen (kjeldahl)	mg/l	0.1				0.2	8.4	93																															
n-Nitroso-n-dipropylamine	ug/l	1				1	1	71																															
n-Propylbenzene	ug/l	0.1				0.1	0.1	1																															
n-Propylbenzene	ug/l	1				1	2	74																															
Nitrogen, Total	mg/l	0.5				0.5	17.6	93																															
BTEX - o Xylene	ug/l	1.7		30	30	1.7	1.7	3																															
BTEX - o Xylene	ug/l	0.1		30	30	0.1	0.1	1																															
BTEX - o Xylene	ug/l	1		30	30	1	14	72																															
BTEX - o Xylene	ug/l	3		30	30	1	3	137	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*
oXylene VOC	ug/l	1				1	1	20																						1	1	1	1	1	1				
Total PAH	ug/l	0.01				0.01	1.57	70																															
Lead	ug/l	0.02	10	1.2	1.3	0.02	88.5	141	0.03	0.055	0.021	0.038	0.052	0.044	0.127	0.117	0.094	0.199	*0.02*	0.093	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	0.131	0.066	0.27	0.131	0.067	0.374	0.022	0.073	0.043	0.034	0.079	0.033	0.215	0.044	0.105

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH526RS	RGMBH13	RGMBH1D	RGMBH1S	RGMBH2	RGMBH6	RGMBH7	BH309CP	BH309R	BH516A	BH528RS	BH524CP	BH524R	BH525CP	BH525R	BH535CP	BH535R	BH536R	RGMBH4	RGMBH4A	RGMBH5	BH858	BH1010	BH312	BH313	BH314	BH516A	BH858	BH523RS	BH524CP	BH524R	BH525CP
									15-Sep-15	15-Sep-15	15-Sep-15	15-Sep-15	15-Sep-15	15-Sep-15	15-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	16-Sep-15	17-Sep-15	18-Sep-15	14-Dec-15	14-Dec-15	14-Dec-15	14-Dec-15	14-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15
Lead	ug/l	1	10	1.2	1.3	1	43	73																																
Paclobutrazol	ug/l	2.6	-	-		2.6	2.6	3																																
Perylene	ug/l	1	-	-		1	1	73																																
Phenol SVOC	ug/l	3	-	-		3	3	1																																
Phenol SVOC	ug/l	1	-	-		1	4	76																																
Phosphorus, (total)	ug/l	100	-	-		100	100	34																																
Phosphorus, (total)	ug/l	100	-	-		100	2030	94																																
pH	pH	0.01	5.5 - 9.5	6 - 9		5.98	12.58	232	7.62	6.94	7.5	7.47	6.86	6.82	7.65	6.98	7	7.99	7.56	7.91	8.23	7.83	8.09	7.44	8.48	8.12	7.58	7.12	7.06	7.29	12.5	8.09	8.07	7.89	8.22	8.21	7.2	7.67	8.41	7.14
pH	pH	0.1	5.5 - 9.5	6 - 9		6.6	13.1	38																																
Pentachlorophenol	ug/l	1	-		0.4	0.4	1	1	77																																
Phenanthrene	ug/l	0.01	-	-			0.01	0.35	70																																
Phenanthrene	ug/l	1	-	-			1	1	77																																
Phenanthrene	ug/l	0.022	-	-			0.022	0.022	6																																
Pyrene	ug/l	0.01	-	-			0.01	0.41	70																																
Pyrene	ug/l	1	-	-			1	1	77																																
Pyrene	ug/l	0.015	-	-			0.015	0.015	6																																
Antimony (dissolved)	ug/l	0.16	5	-			0.16	6.63	135	*0.16*	*0.16*	*0.16*	*0.16*	0.286	*0.16*	0.512	*0.16*	0.232	0.628	0.64	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*	1.38	0.242	0.319	*0.16*	0.316	0.867	0.474	0.177	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*
Antimony (dissolved)	ug/l	1	5	-			1	4	49																																
Selenium	ug/l	0.39	10	-			0.39	9.72	141	0.655	1.24	0.962	0.859	0.88	0.72	1.01	1.52	2.07	1.21	*0.39*	*0.39*	4.18	*0.39*	*0.39*	*0.39*	*0.39*	*0.39*	0.512	0.566	2.11	0.785	0.735	1.08	0.569	0.457	1.53	1.43	*0.39*	0.945	0.488	*0.39*
Selenium	ug/l	1	10	-			1	4	73																																
sec-Butylbenzene	ug/l	1.7	-	-			1.7	1.7	3																																
sec-Butylbenzene	ug/l	0.1	-	-			0.1	0.1	1																																
sec-Butylbenzene	ug/l	1	-	-			1	1	88																					*1*	*1*	*1*	*1*	*1*	*1*					
Styrene	ug/l	1.2	-	-	50	50	1.2	1.52	3																																
Styrene	ug/l	0.5	-		50	50	0.5	0.5	1																																
Styrene	ug/l	1	-		50	50	1	1	88																					*1*	*1*	*1*	*1*	*1*	*1*					
Sulphate	mg/l	1	250	-			1	384	132																																
Sulphate	mg/l	2	250	-			2	226	138	36.6	22.1	20.7	22.6	34.4	19.4	19.3	24.3	17	42.4	26.4	83.1	43	22.4	28	18.7	24.3	34.2	27.7	19.6	59.1	46.9	2	47.5	54.5	27.6	55.8	33.7	2	50.1	32.5	15.1
Sulphide	mg/l	0.01	-	-			0.01	0.01	6																																
Sulphur, Free	mg/l	0.05	-	-			0.05	0.15	6																																
trans 1,2-Dichloroethene	ug/l	1.9	-	-			1.9	1.9	3																																
trans 1,2-Dichloroethene	ug/l	0.1	-	-			0.1	0.1	1																																
trans 1,2-Dichloroethene	ug/l	1	-	-			1	1	88																					*1*	*1*	*1*	*1*	*1*	*1*					
trans 1,3-Dichloropropene	ug/l	3.5	-	-			3.5	3.5	3																																
trans 1,3-Dichloropropene	ug/l	0.5	-	-			0.5	0.5	1																																
trans 1,3-Dichloropropene	ug/l	1	-	-			1	1	88																					*1*	*1*	*1*	*1*	*1*	*1*					
tert-Amyl methyl ether	ug/l	1	-	-			1	1	9																																
tert-Amyl methyl ether	ug/l	0.1	-	-			0.1	0.1	1																																
Trichlorofluoromethane	ug/l	1.3	-	-			1.3	1.3	3																																
Trichlorofluoromethane	ug/l	0.1	-	-			0.1	0.1	1																																
Trichlorofluoromethane	ug/l	1	-	-			1	1	88																					*1*	*1*	*1*	*1*	*1*	*1*					
tert-Butylbenzene	ug/l	2	-	-			2	2	3																																
tert-Butylbenzene	ug/l	0.1	-	-			0.1	0.1	1																																
tert-Butylbenzene	ug/l	2	-	-			2	2	68																																
tert-Butylbenzene	ug/l	1	-	-			1	1	20																					*1*	*1*	*1*	*1*	*1*	*1*					
Tetrachloroethene	ug/l	1.5	-		10	10	1.5	1.5	3																																
Tetrachloroethene	ug/l	0.1	-		10	10	0.1	0.1	1																																
Tetrachloroethene	ug/l	1	-		10	10	1	5	88																					*1*	*1*	*1*	*1*	*1*	*1*					
Hardness Total	mg/l CaCO3	2	-	-			18	1183	135																																
BTEX - Toluene	ug/l	1	-	-			1	77	72																																
BTEX - Toluene	ug/l	1.4	-	-			1.4	1.4	3																																
BTEX - Toluene	ug/l	0.1	-	-			0.1	0.1	1																																
BTEX - Toluene	ug/l	1	-	-			1	37	68																																
BTEX - Toluene	ug/l	4	-	-			4	7	137	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*
Toluene VOC	ug/l	1	-	-			1	7.9	14																					*1*	*1*	*1*	*1*	*1*	*1*					
Nitrogen, Total Oxidised TOxN	mg/l	0.5	-	-			0.5	16.78	127																																
Trichloroethene	ug/l	2.5	10	10	10		2.5	2.5	3																																
Trichloroethene	ug/l	0.1	10	10	10		0.1	0.1	1																																
Trichloroethene	ug/l	1	10	10	10		1	56.6	88																					*1*	*2*	56.6	*1*	*1*	*1*					
Vinyl Chloride	ug/l	1.2	-	-			1.2	1.2	3																																
Vinyl Chloride	ug/l	0.1	-	-			0.1	0.1	1																																
Vinyl Chloride	ug/l	1	-	-			1	1	88																					*1*	*1*	*1*	*1*	*1*	*1*					
Zinc	ug/l	0.41	5000	13.9	9.8		0.41	145	141	0.551	5.35	*0.41*	0.668	3.33	1.78	0.598	2.35	9.16	30.8	*0.41*	6.33	*0.41*	1.57	1.21	3.09	*0.41*	56.8	2.45	7.96	9.71	11.7	34.8	2.23	5.34	2.9	4.78	2.05	17.8	7.63	11.9	2.51
Zinc	ug/l	1	5000	13.9	9.8	1	194	73																																
EPH (C6-C10)	ug/l	100	-	-			100	100	131	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*
GRO >C5-C10	ug/l	10	-	-			10	50	137	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	26	16	*10*	*10*	*10*	*10*	13	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*
EPH Range >C10 C40 (aq)	ug/l	46	-	-			46	668	31																																
Total EPH (C6C40) (aq)	ug/l	100	10	-			100	3540	129	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	122	*100*	595	126	*100*	*100*	*100*	*100*	*100*	*100*	137	*100*	*100*	1280		133	252	367		*100*	899	*100*	*100*

Note: Groundwater data has been compiled from a mixture of AGS and Laboratory Cross-tabs reports. In order to aid assessment, less than symbols (<) have been removed from the data. Reference should be made to the original data contained within the factual reports (refer to the text of the Jacobs Risk Assessment and Remediation Strategy for further details).

Where determinands are reported multiple times these represent the different unit and limit of detection (LOD) combinations present within the original data.

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BHS25R	RGMBH13	RGMBH2	RGMBH4	RGMBH4A	RGMBH5	RGMBH6	RGMBH7	BHS09CP	BHS18R	BHS35CP	BHS35R	RGMBH1D	RGMBH1S	BHS09CP	BHS09R	BHS12CP	BHS12R	BHS10CP	BHS10R1	BHS10R2	BHS26CP	BHS26RS	BHS36R	BHB54RA	SMBH14	BHB60	BHB58	BHB57	BH713R
									15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	16-Dec-15	16-Dec-15	16-Dec-15	16-Dec-15	16-Dec-15	16-Dec-15	17-Dec-15	17-Dec-15	17-Dec-15	17-Dec-15	18-Dec-15	18-Dec-15	18-Dec-15	18-Dec-15	18-Dec-15	18-Dec-15	18-Jan-16	18-Jan-16	18-Jan-15	18-Jan-16	18-Jan-16	18-Jan-16
1,1,1,2-Tetrachloroethane	ug/l	1.3	-	140		1.3	1.3	3																													
1,1,1,2-Tetrachloroethane	ug/l	0.1	-	140		0.1	0.1	1																													
1,1,1,2-Tetrachloroethane	ug/l	1	-	140		1	1	88																									*1*	*1*	*1*	*1*	*1*	*1*
1,1,1-Trichloroethane	ug/l	1.3	-	100	100	1.3	1.92	3																													
1,1,1-Trichloroethane	ug/l	0.1	-	100	100	1.16	1.16	1																													
1,1,1-Trichloroethane	ug/l	1	-	100	100	1	22	88																									*1*	1.14	1.75	1.75	1.23	*1*
1,1,2,2-Tetrachloroethane	ug/l	5.2	-	-		5.2	5.2	3																													
1,1,2,2-Tetrachloroethane	ug/l	0.1	-	-		0.1	0.1	1																													
1,1,2,2-Tetrachloroethane	ug/l	1	-	-		1	1	88																									*1*	*1*	*1*	*1*	*1*	*1*
1,1,2-Trichloroethane	ug/l	2.2	-	400	300	2.2	2.2	3																													
1,1,2-Trichloroethane	ug/l	0.1	-	400	300	0.1	0.1	1																													
1,1,2-Trichloroethane	ug/l	1	-	400	300	1	1	88																									*1*	*1*	*1*	*1*	*1*	*1*
1,1-Dichloropropene	ug/l	1.3	-	-		1.3	1.3	3																													
1,1-Dichloropropene	ug/l	0.1	-	-		0.1	0.1	1																													
1,1-Dichloropropene	ug/l	1	-	-		1	1	88																									*1*	*1*	*1*	*1*	*1*	*1*
1,1-Dichloroethane	ug/l	1.2	-	10	10	1.2	1.2	3																													
1,1-Dichloroethane	ug/l	0.1	-	10	10	0.1	0.1	1																													
1,1-Dichloroethane	ug/l	1	-	10	10	1	8	88																									*1*	*1*	*1*	*1*	*1*	*1*
1,1-Dichloroethene	ug/l	1.2	-	-		1.2	1.2	3																													
1,1-Dichloroethene	ug/l	0.1	-	-		0.1	0.1	1																													
1,1-Dichloroethene	ug/l	1	-	-		1	33	88																									*1*	*1*	*1*	*1*	*1*	*1*
1,2,3-Trichlorobenzene	ug/l	3.1	-	0.4	0.4	3.1	3.1	3																													
1,2,3-Trichlorobenzene	ug/l	0.5	-	0.4	0.4	0.5	0.5	1																													
1,2,3-Trichlorobenzene	ug/l	3	-	0.4	0.4	3	3	68																													
1,2,3-Trichlorobenzene	ug/l	1	-	-		1	1	20																									*1*	*1*	*1*	*1*	*1*	*1*
1,2,3-Trichloropropane	ug/l	7.8	-	-		7.8	7.8	3																													
1,2,3-Trichloropropane	ug/l	0.5	-	-		0.5	0.5	1																													
1,2,3-Trichloropropane	ug/l	1	-	-		1	1	88																									*1*	*1*	*1*	*1*	*1*	*1*
1,2,3-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																													
1,2,4-Trichlorobenzene	ug/l	1	-	-		1	1	3																													
1,2,4-Trichlorobenzene	ug/l	2.3	-	-		2.3	2.3	3																													
1,2,4-Trichlorobenzene	ug/l	0.5	-	-		0.5	1	2																													
1,2,4-Trichlorobenzene	ug/l	1	-	-		1	1	27																									*1*	*1*	*1*	*1*	*1*	*1*
1,2,4-Trichlorobenzene	ug/l	3	-	-		3	3	68																													
1,2,4-Trimethylbenzene	ug/l	1.7	-	-		1.7	1.7	3																													
1,2,4-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																													
1,2,4-Trimethylbenzene	ug/l	1	-	-		1	1	88																									*1*	*1*	*1*	*1*	*1*	*1*
1,2-Dibromo-3-chloropropane	ug/l	9.8	-	-		9.8	9.8	3																													
1,2-Dibromo-3-chloropropane	ug/l	0.1	-	-		0.1	0.1	1																													
1,2-Dibromo-3-chloropropane	ug/l	2	-	-		2	2	68																													
1,2-Dibromo-3-chloropropane	ug/l	1	-	-		1	1	20																									*1*	*1*	*1*	*1*	*1*	*1*
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	23																									*1*	*1*	*1*	*1*	*1*	*1*
1,2-Dichlorobenzene	ug/l	3.7	-	-		3.7	3.7	3																													
1,2-Dichlorobenzene	ug/l	0.1	-	-		0.1	0.1	1																													
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	8																													
1,2-Dichlorobenzene	ug/l	1	-	-		1	1	68																													
1,2-Dichloroethane	ug/l	3.3	-	-		3.3	3.3	3																													
1,2-Dichloroethane	ug/l	0.1	-	-		0.1	0.1	1																													
1,2-Dichloroethane	ug/l	2	-	-		2	2	68																													
1,2-Dichloroethene	ug/l	1	-	-		1	1	20																									*1*	*1*	*1*	*1*	*1*	*1*
cis 1,2-Dichloroethene	ug/l	2.3	-	-		2.3	2.3	3																													
cis 1,2-Dichloroethene	ug/l	0.1	-	-		0.1	0.1	1																													
cis 1,2-Dichloroethene	ug/l	1	-	-		1	3.81	88																									*1*	*1*	*1*	*1*	*1*	*1*
1,2-Dibromoethane	ug/l	2.3	-	-		2.3	2.3	3																													
1,2-Dibromoethane	ug/l	0.1	-	-		0.1	0.1	1																													
1,2-Dibromoethane	ug/l	1	-	-		1	2	89																									*1*	*1*	*1*	*1*	*1*	*1*
1,2-Dichloropropane	ug/l	3	-	-		3	3	3																													
1,2-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																													
1,2-Dichloropropane	ug/l	1	-	-		1	2	88																									*1*	*1*	*1*	*1*	*1*	*1*
1,3,5- Trichlorobenzene	ug/l	10	-	-		10	10	3																													
1,3,5- Trichlorobenzene	ug/l	0.5	-	-		0.5	0.5	1																													
1,3,5-Trimethylbenzene	ug/l	1.8	-	-		1.8	1.8	3																													
1,3,5-Trimethylbenzene	ug/l	0.1	-	-		0.1	0.1	1																													
1,3,5-Trimethylbenzene	ug/l	1	-	-		1	2	88																									*1*	*1*	*1*	*1*	*1*	*1*
1,3,5-Trichlorobenzene	ug/l	1	-	-		1	1	6																									*1*	*1*	*1*	*1*	*1*	*1*
1,3-Dichlorobenzene	ug/l	1	-	-		1	1	3																													
1,3-Dichlorobenzene	ug/l	2.2	-	-		2.2	2.2	3																													
1,3-Dichlorobenzene	ug/l	0.5	-	-		0.5	0.5	1																													
1,3-Dichlorobenzene	ug/l	1	-	-		1	1	90																									*1*	*1*	*1*	*1*	*1*	*1*
cis 1,3-Dichloropropene	ug/l	1.9	-	-		1.9	1.9	3																													
cis 1,3-Dichloropropene	ug/l	0.1	-	-		0.1	0.1	1																													
cis 1,3-Dichloropropene	ug/l	1	-	-		1	1	88																									*1*	*1*	*1*	*1*	*1*	*1*
1,3-Dinitrobenzene	ug/l	1	-	-		1	1	1																													
1,3-Dichloropropane	ug/l	2.2	-	-		2.2	2.2	3																													
1,3-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																													
1,3-Dichloropropane	ug/l	1	-	-		1	1	88																									*1*	*1*	*1*	*1*	*1*	*1*
1,4-Dichlorobenzene	ug/l	2.7	20	20		2.7	2.7	3																													
1,4-Dichlorobenzene	ug/l	0.1	20	20		0.1	3	2																													
1,4-Dichlorobenzene	ug/l	1	20	20		1	1	73																													
1,4-Dinitrobenzene	ug/l	1	-	-		1	1	1																													
2,2-Dichloropropane	ug/l	3.8	-	-		3.8	3.8	3																													
2,2-Dichloropropane	ug/l	0.1	-	-		0.1	0.1	1																													
2,2-Dichloropropane	ug/l	1	-	-		1	1	88																									*1*	*1*	*1*	*1*	*1*	*1*
2,3,4,6- Tetrachlorophenol	ug/l	1	-	-		1	1	1																													
2,4,5-Trichlorophenol	ug/l	1	-	-		1	1	77																									*1*	*1*	*1*	*1*	*1*	*1*
2,4,6-Trichlorophenol	ug/l	1	-	-		1	1	77																									*1*	*1*	*1*	*1*	*1*	*1*
2,4-Dichlorophenol	ug/l	1	4.2	0.42		1	1	77																									*1*	*1*	*1*	*1*	*1*	*1*
2,4-Dimethylphenol	ug/l	1	-	-		1	1	77																									*1*	*1*	*1*	*1*	*1*	*1*
2,4-Dinitrophenol	ug/l	1	-	-		1	1	67																													
2,4-Dinitrotoluene	ug/l	1	-	-		1	1	77																									*1*	*1*	*1*	*1*	*1*	*1*
2,6-Dinitrotoluene	ug/l	1	-	-		1	1	77																									*1*	*1*	*1*	*1*	*1*	*1*
2-Chloronaphthalene	ug/l	1	-	-		1	1	77																									*1*	*1*	*1*	*1*	*1*	*1*
2-Chlorophenol	ug/l	1	-	-		1	1	77																									*1*	*1*	*1*	*1*	*1*	*1*
2-Chlorotoluene	ug/l	1.9	-	-		1.9	1.9	3																													
2-Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																													
2-Chlorotoluene	ug/l	1	-	-		1	2	88																									*1*	*1*	*1*	*1*	*1*	*1*
2-Methylnaphthalene	ug/l	1	-	-		1	1	77																									*1*	*1*	*1*	*1*	*1*	*1*
2-Methylphenol	ug/l	1	-	-		1	1	76																									*1*	*1*	*1*	*1*	*1*	*1*
2- Nitroaniline	ug/l	1	-	-		1	1	10																									*1*	*1*	*1*	*1*	*1*	*1*
2-Nitrophenol	ug/l	1	-	-		1	1	77																									*1*	*1*	*1*	*1*	*1*	*1*
3,4-Methylphenol	ug/l	1	-	-		1	1	1																													
3- Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																													
3- Nitroaniline	ug/l	1	-	-		1	1	9																									*1*	*1*	*1*	*1*	*1*	*1*
3,4-Nitroaniline	ug/l	2	-	-		2	2	1																													
4,6-Dinitro-2-methylphenol	ug/l	1	-	-		1	1	67																													
4-Bromophenyl phenyl ether	ug/l	1	-	-		1	1	77																									*1*	*1*	*1*	*1*	*1*	*1*
4-Chloro-3-methylphenol	ug/l	1	-	-		1	1	73																									*1*	*1*	*1*	*1*	*1*	*1*
4 - Chloro - 3 - Methlphenol	ug/l	1	-	-		1	1	4																													
4- Chloroaniline	ug/l	1	-	-		1	1	10																									*1*	*1*	*1*	*1*	*1*	*1*
4- Chlorophenyl phenyl ether	ug/l	1	-	-		1	1	10																									*1*	*1*	*1*	*1*	*1*	*1*
4-Chlorotoluene	ug/l	1.9	-	-		1.9	1.9	3																													
4-Chlorotoluene	ug/l	0.1	-	-		0.1	0.1	1																													
4-Chlorotoluene	ug/l	1	-	-		1	2	88																									*1*	*1*	*1*	*1*	*1*	*1*
4-Isopropyltoluene	ug/l	2.6	-	-		2.6	2.6	3																													
4-Isopropyltoluene	ug/l	0.1	-	-		0.1	0.1	1																													
4-Isopropyltoluene	ug/l	1	-	-		1	1	82																													
4-Methylphenol	ug/l	1	-	-		1	1	76																									*1*	*1*	*1*	*1*	*1*	*1*
4- Nitroaniline	ug/l	1	-	-		1	1	9																									*1*	*1*	*1*	*1*	*1*	*1*
4-Nitrophenol	ug/l	1	-	-		1	1	76																									*1*	*1*	*1*	*1*	*1*	*1*
Acenaphthylene	ug/l	0.01	-	-		0.01	0.01	70																													
Acenaphthylene	ug/l	0.011	-	-		0.011	0.011	6																									*0.011*	*0.011*	*0.011*	*0.011*	*0.011*	*0.011*

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS		EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH525R	RGMBH13	RGMBH2	RGMBH4	RGMBH4A	RGMBH5	RGMBH6	RGMBH7	BH509CP	BH518R	BH535CP	BH535R	RGMBH1D	RGMBH1S	BH309CP	BH309R	BH512CP	BH512R	BH310CP	BH310R1	BH310R2	BH526CP	BH526RS	BH536R	BH854RA	SMBH14	BH860	BH858	BH857	BH713R
										15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	16-Dec-15	16-Dec-15	16-Dec-15	16-Dec-15	16-Dec-15	16-Dec-15	17-Dec-15	17-Dec-15	17-Dec-15	17-Dec-15	18-Dec-15	18-Dec-15	18-Dec-15	18-Dec-15	18-Dec-15	18-Dec-15	18-Jan-16	18-Jan-16	18-Jan-15	18-Jan-16	18-Jan-16	18-Jan-16
Acenaphthylene	ug/l	1	-	-			1	1	77																														
Acenaphthene	ug/l	0.01	-	-			0.01	0.09	70																														
Acenaphthene	ug/l	0.015	-	-			0.015	0.015	6																														
Acenaphthene	ug/l	1	-	-			1	1	77																														
Aluminium (dissolved)	ug/l	2.9	-	-			2.9	6070	155	*2.9*	13.9	*2.9*	20.9	3.45	155	*2.9*	*2.9*	3.59	*2.9*	3.8	*2.9*	*2.9*	*2.9*	*2.9*	*2.9*	5.56	*2.9*	8.03	*2.9*	*2.9*	52.2	*2.9*	11.1						
Aluminium (dissolved)	ug/l	10	-	-			10	465	45																														
Alkalinity by titration (bicarbonate)	mg/l CaCO3	2	-	-			2	490	226	205	75	170	45	185	160	65	185	200	200	75	245	335	470	70	60	275	195	225	200	220	315	280	155						
Alkalinity (total)	mg/l CaCO3	2	-	-			21.5	3170	226	205	75	170	45	185	160	65	185	200	200	75	245	335	470	70	60	275	195	225	200	220	315	280	155						
Alkalinity (total)	mg/l CaCO3	20	-	-			72	585	34																														
Ammoniacal nitrogen	mg/l	0.01	0.5	-			0.01	9.5	95																														
Ammoniacal nitrogen	mg/l	0.1	0.5	-			0.1	4.4	34																														
Ammoniacal nitrogen	mg/l	0.3	0.5	-			0.2	6.09	138	*0.3*	*0.3*	*0.3*	*0.3*	*0.3*	*0.3*	*0.3*	*0.3*	*0.3*	*0.3*	*0.3*	*0.3*	0.548	0.374	*0.3*	*0.3*	0.427	*0.3*	*0.3*	0.3	*0.3*	0.557	0.346	*0.3*	0.2	0.2	0.2	0.2	0.2	0.2
Anthracene	ug/l	0.01	-	-	0.1	0.1	0.01	0.04	70																														
Anthracene	ug/l	1	-	-	0.1	0.1	1	1	71																														
Anthracene	ug/l	0.015	-	-	0.1	0.1	0.015	0.015	6																														
Arsenic	ug/l	0.12	10		50	25	0.12	48.1	141	0.226	0.587	0.429	0.254	0.284	0.887	0.231	0.207	0.552	0.239	0.196	1.62	5.99	5.05	*0.12*	*0.12*	1.96	0.347	0.429	0.242	0.26	4.41	2.79	0.497	*0.12*	*0.12*	0.43	0.293	0.497	1.36
Arsenic	ug/l	1	10		50	25	1	5	73																														
Beryllium (diss.filt)	ug/l	0.07	-	-			0.07	0.113	6																														
Azobenzene	ug/l	1	-	-			1	1	10																														
Boron	ug/l	10	-	-			10	45	28																														
Bis(2-chloroethyl)ether	ug/l	1	-	-			1	1	73																														
Bis(2-chloroethoxy)methane	ug/l	1	-	-			1	1	77																														
bis (2 - chloroethyl) ether	ug/l	1	-	-			1	1	4																														
Bis(2-chloroisopropyl)ether	ug/l	1	-	-			1	1	69																														
Bis(2-ethylhexyl)phthalate	ug/l	2	-	-	1.3	1.3	2	5	76																														
Butylbenzyl phthalate	ug/l	1.5	-	-	7.5	0.75	2	2	1																														
Butylbenzyl phthalate	ug/l	1	-	-	7.5	0.75	1	1	76																														
Benzo(a)anthracene	ug/l	1	-	-			1	1	77																														
Benzo(a)anthracene	ug/l	0.01	-	-			0.01	0.06	70																														
Benzo(a)anthracene	ug/l	0.017	-	-			0.017	0.017	6																														
Benzo(a)pyrene	ug/l	1	-	-	0.00017	0.00017	1	1	77																														
Benzo(a)pyrene	ug/l	0.01	-	-	0.00017	0.00017	0.01	0.03	70																														
Benzo(a)pyrene	ug/l	0.009	-	-	0.00017	0.00017	0.009	0.009	6																														
Benzo(b)fluoranthene	ug/l	1	-	-	0.017	0.017	1	1	77																														
Benzo(b)fluoranthene	ug/l	0.01	-	-	0.017	0.017	0.01	0.04	70																														
Benzo(b)fluoranthene	ug/l	0.023	-	-	0.017	0.017	0.023	0.023	6																														
Benzo(ghi)perylene	ug/l	2	-	-	0.0082	0.00082	2	2	1																														
Benzo(ghi)perylene	ug/l	1	-	-	0.0082	0.00082	1	1	76																														
Benzo(ghi)perylene	ug/l	0.01	-	-	0.0082	0.00082	0.01	0.01	70																														
Benzo(ghi)perylene	ug/l	0.016	-	-	0.0082	0.00082	0.016	0.016	6																														
Benzo(k)fluoranthene	ug/l	1	-	-	0.017	0.017	1	1	77																														
Benzo(k)fluoranthene	ug/l	0.01	-	-	0.017	0.017	0.01	0.03	70																														
Benzo(k)fluoranthene	ug/l	0.027	-	-	0.017	0.017	0.027	0.027	6																														
BTEX - Benzene	ug/l	1.3	1	-	10	8	1.3	1.3	3																														
BTEX - Benzene	ug/l	0.1	1	-	10	8	0.1	0.1	1																														
BTEX - Benzene	ug/l	1	1	-	10	8	1	3	72																														
BTEX - Benzene	ug/l	7	1	-	10	8	7	7	137	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*
Benzene VOC	ug/l	1	-	-			1	1	14																														
Benzyl alcohol	ug/l	5	-	-			5	5	1																														
BOD (settled, 5 day)	mg/l	1	-	-			1	30	34																														
Bromobenzene	ug/l	2	-	-			2	2	3																														
Bromobenzene	ug/l	0.1	-	-			0.1	0.1	1																														
Bromobenzene	ug/l	1	-	-			1	1	88																														
Bromochloromethane	ug/l	1.9	-	-			1.9	1.9	3																														
Bromochloromethane	ug/l	0.1	-	-			0.1	0.1	1																														
Bromochloromethane	ug/l	5	-	-			5	5	68																														
Bromochloromethane	ug/l	1	-	-			1	1	20																														
Bromoform	ug/l	3	-	-			3	3	3																														
Bromoform	ug/l	0.1	-	-			0.1	0.1	1																														
Bromoform	ug/l	1	-	-			1	2	88																														
Bromomethane	ug/l	2	-	-			2	2	3																														
Bromomethane	ug/l	1	-	-			1	1	88																														
Bromodichloromethane	ug/l	0.9	-	-			0.9	0.9	3																														
Bromodichloromethane	ug/l	0.1	-	-			0.1	0.1	1																														
Bromodichloromethane	ug/l	10	-	-			10	10	68																														
Bromodichloromethane	ug/l	1	-	-			1	1	20																														
All >C5-C6	ug/l	1	-	-			1	13	72																														
All >C5-C6	ug/l	10	-	-			10	10	6																														
Aro >C5-C7	ug/l	1	-	-			1	3	72																														
Aro >C5-C7	ug/l	10	-	-			10	10	6																														
Total TPH Aliphatic and Aromatic C5-C35	ug/l	5	10	-			5	1270	23																														
Total Aliphatics	ug/l	5	-	-			5	2519	72																														
Total Aliphatics	ug/l	10	-	-			10	84	6																														
TPH (All & Aro)	ug/l	5	10	-			5	12202	66																														
TPH (All & Aro)	ug/l	10	10	-			10	105	6																														
Total Aromatics	ug/l	5	-	-			5	12002	72																														
Total Aromatics	ug/l	10	-	-			10	21	6																														
All >C6-C8	ug/l	1	-	-			1	8	72																														
All >C6-C8	ug/l	10	-	-			10	10	6																														
Aro >C7-C8	ug/l	1	-	-			1	77	72																														
Aro >C7-C8	ug/l	10	-	-			10	10	6																														
Aro >C8-C9	ug/l	1	-	-			1	62	72																														
Aro >C8-C9	ug/l	10	-	-			10	10	6																														
All >C8-C10	ug/l	1	-	-			1	74	72																														
All >C8-C10	ug/l	10	-	-			10	10	6																														
Aro >C9-C10	ug/l	1	-	-			1	7	72																														
Aro >C9-C10	ug/l	10	-	-			10	10	6																														
All >C10-C12	ug/l	5	-	-			5	5	72																														
All >C10-C12	ug/l	10	-	-			10	10	6																														
Aro >C10-C12	ug/l	5	-	-			5	62	72																														
Aro >C10-C12	ug/l	10	-	-			10	10	6																														
All >C12-C16	ug/l	5	-	-			5	61	72																														
All >C12-C16	ug/l	10	-	-			10	10	6																														
Aro >C12-C16	ug/l	5	-	-			5	64	72																														
Aro >C12-C16	ug/l	10	-	-			10	10	6																														
All >C16-C21	ug/l	5	-	-			5	343	72																														
All >C16-C21	ug/l	10	-	-			10	24	6																														
Aro >C16-C21	ug/l	5	-	-			5	11557	72																														
Aro >C16-C21	ug/l	10	-	-			10	10	6																														
All >C21-C35	ug/l	5	-	-			5	2469	72																														
All >C21-C35	ug/l	10	-	-			10	60	6																														
Aro >C21-C35	ug/l	5	-	-			5	1070	72																														
Aro >C21-C35	ug/l	10	-	-			10	21	6																														
Calcium (dissolved)	mg/l	1	-	-			1.77	474	270	80.2	35.4	77.2	23.4	50.8	89.3	33.7	58.6	131	64	19.1	55.6	80.9	93.7	29.5	28.6	81	62.7	70.5	58.9	58.7	58.7	73.5	70.1	50.4	23.1	60.3	41	31.6	40.8
Chlorobenzene	ug/l	3.5	-	-			3.5	3.5	3																														
Chlorobenzene	ug/l	0.1	-	-			0.1	0.1	1																														
Chlorobenzene	ug/l	1	-	-			1	1	88																														
Carbazole	ug/l	1	-	-			1	1	77																														
Cadmium	ug/l	0.05	5		0.15	0.2	0.05	0.12	45																														
Cadmium	ug/l	0.1	5		0.15	0.2	0.1	1.16	141	*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*
Cadmium	ug/l	1	5		0.15	0.2	1	1	28																														
Carbon Disulphide	ug/l	1.3	-	-			1.3	1.3	3																														
Carbon Disulphide	ug/l	0.1	-	-			0.1	0.1	1																														
Carbon Disulphide	ug/l	1	-	-			1	1	88																														
Chloroethane	ug/l	2.5	-	-			2.5	2.5	3																														
Chloroethane	ug/l	1	-	-			1	1	88																														
Chloroform	ug/l	1.8	-	-	2.5	2.5	1.8	1.8	3																														
Chloroform	ug/l	0.1	-	-	2.5	2.5	0.238	0.238	1																														
Chloroform	ug/l	25	-	-	2.5	2.5	25	25	68																														
Chloroform	ug/l	1	-	-	2.5	2.5	1	1.06	20																														
Chloride (w)	mg/l	1	-	-	250		20.64	285	266	75.1	81.4	148	55.8	76.1	127	56.2	40.2	83.6	43.1	40.9	37.3	48.7	48.9	42.4	41.9	50.2	44.4	45.7	51	45.6	50.8	64	44	76.3	77.4	85.4	73.8	70.2	44.6
COD (settled)	mg/l	6	-	-			6	65	34																														
Chloromethane	ug/l	9	-	-			9	9	3																														
Chloromethane	ug/l	0.5	-	-			0.5	0.5	1																														
Chloromethane	ug/l	1	-	-			1	1	88																														
Cobalt	ug/l	0.06	-	-			0.06	39.3	135	0.279	8.34	0.237	0.205	0.265	1.05	0.194	0.161	0.43	0.2	0.063	0.309	0.278	0.791	0.077	0.074	1.25	0.087	0.135	0.101	0.07	0.548	0.222	0.129						
Cobalt	ug/l	1	-	-			1	44	73																														

Key:

0.1 Result <LOD

0.1 Positive Detection >EQS Freshwater

0.1 Positive Detection >DWS (where EQS Freshwater not available)

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH525R	RGMBH13	RGMBH2	RGMBH4	RGMBH4A	RGMBH5	RGMBH6	RGMBH7	BH509CP	BH518R	BH535CP	BH535R	RGMBH1D	RGMBH1S	BH309CP	BH309R	BH512CP	BH512R	BH310CP	BH310R1	BH310R2	BH526CP	BH526RS	BH536R	BH854RA	SMBH14	BH860	BH858	BH857	BH713R
									15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	16-Dec-15	16-Dec-15	16-Dec-15	16-Dec-15	16-Dec-15	16-Dec-15	17-Dec-15	17-Dec-15	17-Dec-15	17-Dec-15	18-Dec-15	18-Dec-15	18-Dec-15	18-Dec-15	18-Dec-15	18-Dec-15	18-Jan-16	18-Jan-16	18-Jan-15	18-Jan-16	18-Jan-16	18-Jan-16
Electrical conductivity	uS/cm	10	2500			15.6	18600	260	562	394	670	292	503	987	314	413	1140	490	253	531	679	695	305	299	623	498	546	547	548	609	670	492						
Chromium	ug/l	1	50	4.7		0.492	103	214	5.65	1.27	9.69	4.2	10.3	3.11	1.01	7.37	1.73	5.45	11.3	5.1	3.15	4.32	3.35	7.85	3.07	6.58	3.16	4.93	3.62	2.99	1.11	4.66	2.07	1.18	2.76	2	1.24	2.16
Chromium (tot.unfilt)	ug/l	3	50	4.7		3	3	6																									3	3	3	3	3	3
Chromium, Hexavalent	mg/l	0.03	-	-		0.03	0.03	6																									0.03	0.03	0.03	0.03	0.03	0.03
Chrysene	ug/l	1	-	-		1	1	77																									1	1	1	1	1	1
Chrysene	ug/l	0.01	-	-		0.01	0.11	70																														
Chrysene	ug/l	0.013	-	-		0.013	0.013	6																									0.013	0.013	0.013	0.013	0.013	0.013
Carbon Tetrachloride	ug/l	1.4	-	12	12	1.4	1.4	3																														
Carbon Tetrachloride	ug/l	0.1	-	12	12	0.1	0.1	1																														
Carbon Tetrachloride	ug/l	1	-	12	12	1	93	88																									1	1	1	1	1	1
Copper	ug/l	0.85	-	1		0.85	134	141	3.02	21.4	14.6	4.33	1.03	31.6	2.11	1.53	5.44	1.68	1.33	0.85	0.85	0.85	3.64	1.48	1.33	0.85	12	7.03	33.6	1.06	0.85	1.33	1.3	0.85	1.33	0.85	1.33
Copper	ug/l	1	-	1		1	239	73																														
Cyanide, Free	mg/l	0.05	-	-		0.05	0.05	6																									0.05	0.05	0.05	0.05	0.05	0.05
Cyanide, Total	mg/l	0.05	-	-		0.05	0.05	6																									0.05	0.05	0.05	0.05	0.05	0.05
Dibenzofuran	ug/l	1	2000	-	3.76	1	1	77																									1	1	1	1	1	1
Dichlorodifluoromethane	ug/l	7	-	-		7	7	3																														
Dichlorodifluoromethane	ug/l	1	-	-		1	1	82																									1	1	1	1	1	1
Diethyl phthalate	ug/l	1	-	-		1	1	77																									1	1	1	1	1	1
Dibenzo(ah)anthracene	ug/l	1.5	-	-		2	2	1																														
Dibenzo(ah)anthracene	ug/l	1	-	-		1	1	76																									1	1	1	1	1	1
Dibenzo(ah)anthracene	ug/l	0.01	-	-		0.01	0.01	70																														
Dibenzo(ah)anthracene	ug/l	0.016	-	-		0.016	0.016	6																									0.016	0.016	0.016	0.016	0.016	0.016
Dibromochloromethane	ug/l	1.7	-	-		1.7	1.7	3																														
Dibromochloromethane	ug/l	0.1	-	-		0.1	0.1	1																														
Dibromochloromethane	ug/l	3	-	-		1	9	88																									3	3	3	3	3	3
Dibromochloromethane	ug/l	1	-	-		1	1	20																									1	1	1	1	1	1
Dibromomethane	ug/l	2.7	-	-		2.7	2.7	3																														
Dibromomethane	ug/l	0.1	-	-		0.1	0.1	1																														
Dibromomethane	ug/l	1	-	-		1	1	88																									1	1	1	1	1	1
Dichloromethane VOC	ug/l	3.7	-	20	20	3.7	3.7	3																														
Dichloromethane VOC	ug/l	0.5	-	20	20	0.5	0.5	1																														
Dichloromethane VOC	ug/l	5	-	20	20	5	20	19																														
Dichloromethane VOC	ug/l	20	-	20	20	20	20	49																														
Dimethyl phthalate	ug/l	1	-	-		1	9	77																									1	1	1	1	1	1
Di-isopropylamine	ug/l	1	-	-		1	1	1																														
Total Dissolved Solids	mg/l	10	-	-		103	2540	223	352	241	546	173	312	800	150	292	884	308	128	340	410	440	250	254	456	350	333	350	304	360	327	295						
Total Dissolved Solids	mg/l	20	-	-		210	5510	34																														
Total Suspended Solids	mg/l	1	-	-		2	29500	131	3720	66.4	438	82.9	1030	103	77.5	136	5900	678	1560	117	68.1	1270	624	4	1880	22.1	23.5	3.5	3.5	1930	4.5	255						
n-Dibutylphthalate	ug/l	1	-	-		1	1	77																									1	1	1	1	1	1
n-Dioctylphthalate	ug/l	2	-	-		2	2	1																														
n-Dioctylphthalate	ug/l	5	-	-		5	448	76																									5	5	5	5	5	5
Ethyl tert-butyl ether	ug/l	0.1	-	-		0.1	0.1	1																														
BTEX - Ethyl Benzene	ug/l	2.5	-	20	20	2.5	2.5	3																														
BTEX - Ethyl Benzene	ug/l	0.1	-	20	20	0.1	0.1	1																														
BTEX - Ethyl Benzene	ug/l	1	-	20	20	1	11	72																														
BTEX - Ethyl Benzene	ug/l	5	-	20	20	1	5	137	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	1	1	1	1
Ethyl Benzene VOC	ug/l	1	-	-		1	1	20																									1	1	1	1	1	1
Iron (dissolved)	ug/l	10	200	1000	1000	10	8685	59																														
Iron (dissolved)	mg/l	0.019	0.2	1	1	0.019	54.2	135	0.019	0.019	0.019	0.019	0.019	0.0655	0.019	0.019	0.019	0.019	0.019	0.135	0.337	0.0684	0.019	0.019	0.804	0.019	0.0267	0.019	0.019	0.214	0.213	0.019						
Ferrous iron Felt	mg/l	0.1	0.2	1	1	0.1	2.2	129																														
Ferric iron Felt	mg/l	0.1	0.2	1	1	0.1	6.67	129																														
Fluorene	ug/l	0.01	-	-		0.01	0.14	70																														
Fluorene	ug/l	1	-	-		1	1	77																									1	1	1	1	1	1
Fluorene	ug/l	0.014	-	-		0.014	0.014	6																									0.014	0.014	0.014	0.014	0.014	0.014
Fluoranthene	ug/l	1	-	0.0063	0.0063	1	1	77																									1	1	1	1	1	1
Fluoranthene	ug/l	0.01	-	0.0063	0.0063	0.01	0.44	70																														
Fluoranthene	ug/l	0.017	-	0.0063	0.0063	0.017	0.017	6																									0.017	0.017	0.017	0.017	0.017	0.017
Hexachlorocyclopentadiene	ug/l	1.5	-	-		2	2	1																														
Hexachlorocyclopentadiene	ug/l	1	-	-		1	1	76																									1	1	1	1	1	1
Hexachloroethane	ug/l	1	-	-		1	1	9																									1	1	1	1	1	1
Hexachloroethane	ug/l	2	-	-		0.5	2	2																														
Hexachloroethane	ug/l	1	-	-		1	1	67																														
Hexachlorobenzene	ug/l	1	-	-		1	1	77																									1	1	1	1	1	1
Hexachlorobutadiene	ug/l	2.5	-	-		2.5	2.5	3																														
Hexachlorobutadiene	ug/l	1.5	-	-		0.5	2	2																														
Hexachlorobutadiene	ug/l	1	-	-		1	1	92																									1	1	1	1	1	1
Mercury	ug/l	0.01	1	0.07	0.07	0.01	0.0362	140	0.01	0.01	0.01	0.01	0.01	0.0123	0.01	0.01	0.01	0.0362	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0127
Mercury	ug/l	0.05	1	0.07	0.07	0.05	2.45	45																														
Mercury	ug/l	0.1	1	0.07	0.07	0.1	39.1	28																														
Indeno(123-cd)pyrene	ug/l	1.5	-	-		2	2	1																														
Indeno(123-cd)pyrene	ug/l	1	-	-		1	1	76																									1	1	1	1	1	1
Indeno(123-cd)pyrene	ug/l	0.01	-	-		0.01	0.01	70																														
Indeno(123-cd)pyrene	ug/l	0.014	-	-		0.014	0.014	6																									0.014	0.014	0.014	0.014	0.014	0.014
Isopropylbenzene	ug/l	1.4	-	-		1.4	1.4	3																														
Isopropylbenzene	ug/l	0.1	-	-		0.1	0.1	1																														
Isopropylbenzene	ug/l	1	-	-		1	3	88																									1	1	1	1	1	1
Isophorone	ug/l	1	-	-		1	1	9																									1	1	1	1	1	1
Isophorone	ug/l		-	-		1	1	1																														
Isophorone	ug/l	1	-	-		1	1	67																														
Potassium	mg/l	0.1	-	-		0.5	110	175																														
Potassium	ug/l	1	-	-		1	843	175	1.34	4.41	4.88	4.1	1.37	89.8	1.58	1	8.51	1.43	1	3.36	2.84	2.59	1	2	2.63	1.26	6.41	1.68	1.07	2.42	1.94	2.03	2.04	1.53	4.14	1.37	3.6	4.39
Magnesium (dissolved)	mg/l	0.036	-	-		0.036	54.8	141	8.17	6.49	14.7	6.23	7.33	14.3	6.96	11	23.8	6.92	5.82	13.3	23	22.1	6.34	6.49	16.3	9.21	12.2	14.2	16.1	20.2	17.6	5.58	9.9	8.92	13.8	10.4	7.3	3.97
Magnesium (dissolved)	mg/l	1	-	-		1	88.6	139																														
Manganese	ug/l	1	50	123		0.096	9400	291	4.66	16.1	9.2	69	2490	2.78	1.24	8.49	16.1	46.6	0.583	47.3	9.37	430	0.737	0.096	1.73	14.8	3.62	11.1	0.654	2.45	3.64	0.627						
Molybdenum	ug/l	0.24	-	-		0.24	33.9	135	1.01	0.24	0.24	0.24	0.24	0.24	0.24	1.43	1.4	0.316	0.398	5.87	1.87	1.99	0.574	0.384	0.764	0.319	0.584	0.451	0.585	4.19	1.66	0.937						
Molybdenum	ug/l	0.5	-	-		0.5	59.2	73																														
MTBE	ug/l	1.6	-	-		1.6	1.6	3																														
MTBE	ug/l	0.1	-	-		0.1	0.1	1																														
MTBE	ug/l	1	-	-		1	1	78																									1	1	1	1	1	1
MTBE	ug/l	3	-	-		3	3	131	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3						
BTEX - m & p Xylene	ug/l	2.5	-	-		2.5	2.5	3																														
BTEX - m & p Xylene	ug/l	0.2	-	-		0.2	0.2	1																														
BTEX - m & p Xylene	ug/l	1	-	-		1	37	72																														
BTEX - m & p Xylene	ug/l	8	-	-		1	8	137	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	1	1	1	1	1	1
m & p Xylene VOC	ug/l	1	-	-		1	1	20																									1	1	1	1	1	1
Sodium	mg/l	0.5	-	-		1.61	825	236	38.9	34	53.2	26.2	34.4	45	22.3	27	67.6	29.7	20.2	39.7	32.1	31.1	18.3	19.2	32.8	28	24	32.4	35.6	41.2	43.6	21.6	49.6	50	41.7	46.4	61.8	25
Sodium	mg/l	1	-	-		24.3	1250	34																														
Naphthalene1 -methyl-.	ug/l	1	-	-		1	1	1																														
Naphthalene	ug/l	3.5	-	2.4	2.4	3.5	3.5	3																														
Naphthalene	ug/l	0.5	-	2.4	2.4	0.5	1	2																														
Naphthalene	ug/l	1	-	2.4	2.4	1	1	76																									1	1	1	1	1	1
Naphthalene	ug/l	0.01	-	2.4	2.4	0.01	0.68	70																														
Naphthalene	ug/l	0.1	-	2.4	2.4	0.1	0.1	6																									0.1	0.1	0.1	0.1	0.1	0.1
n-Butylbenzene	ug/l	2	-	-		2	2	3																														
n-Butylbenzene	ug/l	0.1	-	-		0.1	0.1	1																														
n-Butylbenzene	ug/l	1	-	-		1	1	88																									1	1	1	1	1	1
Nickel	ug/l	0.15	20	4	8.6	0.15	48.9	141	1.02	17.9	1.39	0.681	1.08	4	1.07	0.689	2.37	0.942	1.26	1.98	1.25	1.69	0.588	0.519	4.93	0.874	1.14	1.05	0.737	1.96	1.01	2.16	0.746	0.431	0.9	0.726	0.763	2.96
Nickel	ug/l	1	20	4	8.6	1	56	73																														
Nitrite as N	mg/l	0.02	11.3	-		0.015	2.840645361	132	0.018	0.015	0.015	0.015	0.018	0.015	0.015	0.036	0.015	0.016	0.015	0.015	0.015	0.015	0.015	0.015	0.017	0.015	0.025	0.015	0.015	0.015	0.015	0.015						
Nitrite as N	mg/l	0.03	11.3	-		0.03	0.71	94																														
Nitrite as N	mg/l	0.1	11.3	-		0.1	0.3	34																														
Nitrate as N	mg/l	0.07	11.3	-		0.06	40.4361	138	5.308571581	2.213787297	1.387005511	5.308571581	0.316255326	96.82115607	2.914066953	3.523987943	37.72474272	1.581276641	1.330531345	0.193141647	0.521821292	0.084259455	6.844668889	7.319051881	0.729646222	3.817653605	1.396041377	3.591756942	1.689707039	0.071157449	0.06	4.33721593	5.26347	5.73786	6.75441	2.89152	5.67	0.07
Nitrate as N	mg/l	0.11	11.3	-		0.11	16.73	94																														
Nitrate as N	mg/l	0.5	11.3	-		0.6	47.8	34																														
Nitrobenzene	ug/l	1	-	-		1	1	77																									1	1	1	1	1	1
Nitrogen (kjeldahl)	mg/l	0.1	-	-		0.2	8.4	93																														
n-Nitroso-n-dipropylamine	ug/l	1	-	-		1	1	71																														
n-Propylbenzene	ug/l	0.1	-	-		0.1	0.1	1																														
n-Propylbenzene	ug/l	1	-	-		1	2	74																									1	1	1	1	1	1
Nitrogen, Total	mg/l	0.5	-	-		0.5	17.6	93																														
BTEX - o Xylene	ug/l	1.7	-	30	30	1.7	1.7	3																														
BTEX - o Xylene	ug/l	0.1	-	30	30	0.1	0.1	1																														
BTEX - o Xylene	ug/l	1	-	30	30	1	14	72																														
BTEX - o Xylene	ug/l	3	-	30	30	1	3	137	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	1	1
oXylene VOC	ug/l	1	-	-		1	1	20																									1	1	1	1	1	1
Total PAH	ug/l	0.01	-	-		0.01	1.57	70																														
Lead	ug/l	0.02	10	1.2	1.3	0.02	88.9	141	0.052	0.051	0.052	0.03	0.065	0.088	0.035	0.145	0.028	0.02	0.02	0.023	0.03	0.061	0.026	0.02	0.098	0.02	0.125	0.064	0.042	0.375	0.02	0.036	0.02	0.027	0.067	0.02	0.078	0.999

Key:

0.1 Result <LOD

0.1 **Positive Detection >EQS Freshwater**

0.1 **Positive Detection >DWS (where EQS Freshwater not available)**

Determinand	UNITS	Lab Limit of Detection (LOD)	DWS	EQS Freshwater	EQS Coastal Water	Min Value	Max Value	No. Results	BH525R	RGMBH13	RGMBH2	RGMBH4	RGMBH4A	RGMBH5	RGMBH6	RGMBH7	BH509CP	BH518R	BH535CP	BH535R	RGMBH1D	RGMBH1S	BH309CP	BH309R	BH512CP	BH512R	BH310CP	BH310R1	BH310R2	BH526CP	BH526RS	BH536R	BH854RA	SMBH14	BH860	BH858	BH857	BH713R
									15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	15-Dec-15	16-Dec-15	16-Dec-15	16-Dec-15	16-Dec-15	16-Dec-15	16-Dec-15	17-Dec-15	17-Dec-15	17-Dec-15	17-Dec-15	18-Dec-15	18-Dec-15	18-Dec-15	18-Dec-15	18-Dec-15	18-Dec-15	18-Jan-16	18-Jan-16	18-Jan-15	18-Jan-16	18-Jan-16	18-Jan-16
Lead	ug/l	1	10	1.2	1.3	1	43	73																														
Paclobutrazol	ug/l	2.6	-	-		2.6	2.6	3																														
Perylene	ug/l	1	-	-		1	1	73																									*1*	*1*	*1*	*1*	*1*	*1*
Phenol SVOC	ug/l	3	-	-		3	3	1																														
Phenol SVOC	ug/l	1	-	-		1	4	76																									*1*	*1*	*1*	*1*	*1*	*1*
Phosphorus, (total)	ug/l	100	-	-		100	100	34																														
Phosphorus, (total)	ug/l	100	-	-		100	2030	94																														
pH	pH	0.01	5.5 - 9.5	6 - 9		5.98	12.58	232	7.79	7.64	7.78	7.29	8.03	8.21	7.6	8.3	8.04	8.2	7.55	8.32	8.22	8.09	7.89	7.94	8.42	8.35	8.38	8.41	8.36	8.44	8.44	8.21	7.56	7.23	7.08	7.25	8.78	7.06
pH	pH	0.1	5.5 - 9.5	6 - 9		6.6	13.1	38																														
Pentachlorophenol	ug/l	1	-		0.4	0.4	1	1	77																								*1*	*1*	*1*	*1*	*1*	*1*
Phenanthrene	ug/l	0.01	-	-			0.01	0.35	70																								-	-	-	-	-	-
Phenanthrene	ug/l	1	-	-			1	1	77																								*1*	*1*	*1*	*1*	*1*	*1*
Phenanthrene	ug/l	0.022	-	-			0.022	0.022	6																								*0.022*	*0.022*	*0.022*	*0.022*	*0.022*	*0.022*
Pyrene	ug/l	0.01	-	-			0.01	0.41	70																								-	-	-	-	-	-
Pyrene	ug/l	1	-	-			1	1	77																								*1*	*1*	*1*	*1*	*1*	*1*
Pyrene	ug/l	0.015	-	-			0.015	0.015	6																								*0.015*	*0.015*	*0.015*	*0.015*	*0.015*	*0.015*
Antimony (dissolved)	ug/l	0.16	5	-			0.16	6.63	135	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*	0.192	*0.16*	*0.16*	0.521	0.406	0.298	0.699	1.84	1.27	0.589	0.256	0.782	0.201	0.59	0.789	1.06	1.78	0.568	1.35						
Antimony (dissolved)	ug/l	1	5	-			1	4	49																													
Selenium	ug/l	0.39	10	-			0.39	9.72	141	0.438	1.34	2.38	*0.39*	*0.39*	1.14	0.906	*0.39*	1.11	*0.39*	*0.39*	0.42	0.785	1.2	*0.39*	*0.39*	3.04	*0.39*	2.08	0.788	0.842	0.448	*0.39*	0.626	1.29	0.559	3.1	0.689	0.972	0.453
Selenium	ug/l	1	10	-			1	4	73																													
sec-Butylbenzene	ug/l	1.7	-	-			1.7	1.7	3																													
sec-Butylbenzene	ug/l	0.1	-	-			0.1	0.1	1																													
sec-Butylbenzene	ug/l	1	-	-			1	1	88																								*1*	*1*	*1*	*1*	*1*	*1*
Styrene	ug/l	1.2	-		50	50	1.2	1.52	3																													
Styrene	ug/l	0.5	-		50	50	0.5	0.5	1																													
Styrene	ug/l	1	-		50	50	1	1	88																								*1*	*1*	*1*	*1*	*1*	*1*
Sulphate	mg/l	1	250	-			1	384	132																													
Sulphate	mg/l	2	250	-			2	226	138	30.1	18.8	22.3	15.8	28.8	53.7	19.4	20.3	226	25.6	15.7	27.6	23.9	26.3	26.9	21.6	32.9	20.6	34.2	36.9	35.6	31.8	36.3	50.2	25	31.8	40.1	31.9	29.9	16.1
Sulphide	mg/l	0.01	-	-			0.01	0.01	6																								*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
Sulphur, Free	mg/l	0.05	-	-			0.05	0.15	6																								*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	0.15
trans 1,2-Dichloroethene	ug/l	1.9	-	-			1.9	1.9	3																													
trans 1,2-Dichloroethene	ug/l	0.1	-	-			0.1	0.1	1																													
trans 1,2-Dichloroethene	ug/l	1	-	-			1	1	88																								*1*	*1*	*1*	*1*	*1*	*1*
trans 1,3-Dichloropropene	ug/l	3.5	-	-			3.5	3.5	3																													
trans 1,3-Dichloropropene	ug/l	0.5	-	-			0.5	0.5	1																													
trans 1,3-Dichloropropene	ug/l	1	-	-			1	1	88																								*1*	*1*	*1*	*1*	*1*	*1*
tert-Amyl methyl ether	ug/l	1	-	-			1	1	9																								*1*	*1*	*1*	*1*	*1*	*1*
tert-Amyl methyl ether	ug/l	0.1	-	-			0.1	0.1	1																													
Trichlorofluoromethane	ug/l	1.3	-	-			1.3	1.3	3																													
Trichlorofluoromethane	ug/l	0.1	-	-			0.1	0.1	1																													
Trichlorofluoromethane	ug/l	1	-	-			1	1	88																								*1*	*1*	*1*	*1*	*1*	*1*
tert-Butylbenzene	ug/l	2	-	-			2	2	3																													
tert-Butylbenzene	ug/l	0.1	-	-			0.1	0.1	1																													
tert-Butylbenzene	ug/l	2	-	-			2	2	68																													
tert-Butylbenzene	ug/l	1	-	-			1	1	20																								*1*	*1*	*1*	*1*	*1*	*1*
Tetrachloroethene	ug/l	1.5	-		10	10	1.5	1.5	3																													
Tetrachloroethene	ug/l	0.1	-		10	10	0.1	0.1	1																													
Tetrachloroethene	ug/l	1	-		10	10	1	5	88																								*1*	*1*	*1*	*1*	*1*	*1*
Hardness Total	mg/l CaCO3	2	-	-			18	1183	135																								179	101	216	167	128	123
BTEX - Toluene	ug/l	1	-	-			1	77	72																													
BTEX - Toluene	ug/l	1.4	-	-			1.4	1.4	3																													
BTEX - Toluene	ug/l	0.1	-	-			0.1	0.1	1																													
BTEX - Toluene	ug/l	1	-	-			1	37	68																													
BTEX - Toluene	ug/l	4	-	-			4	7	137	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*
Toluene VOC	ug/l	1	-	-			1	7.9	14																													
Nitrogen, Total Oxidised TOxN	mg/l	0.5	-	-			0.5	16.78	127																													
Trichloroethene	ug/l	2.5	10	10	10		2.5	2.5	3																													
Trichloroethene	ug/l	0.1	10	10	10		0.1	0.1	1																													
Trichloroethene	ug/l	1	10	10	10		1	56.6	88																								*1*	*1*	*1*	*1*	*1*	*1*
Vinyl Chloride	ug/l	1.2	-	-			1.2	1.2	3																													
Vinyl Chloride	ug/l	0.1	-	-			0.1	0.1	1																													
Vinyl Chloride	ug/l	1	-	-			1	1	88																								*1*	*1*	*1*	*1*	*1*	*1*
Zinc	ug/l	0.41	5000	13.9	9.8		0.41	145	141	27.4	4.1	56.5	1.89	3.85	4.38	1.84	4.76	2.72	0.725	1.79	2.16	0.556	1.28	1.65	0.506	1.83	0.547	2.71	1.34	0.963	4.35	0.553	2.9	*0.41*	1.19	0.453	2.52	0.564	12.2
Zinc	ug/l	1	5000	13.9	9.8		1	194	73																													
EPH (C6-C10)	ug/l	100	-	-			100	100	131	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*						
GRO >C5-C10	ug/l	10	-	-			10	50	137	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	*10*	50	50	50	50	50	50
EPH Range >C10 C40 (aq)	ug/l	46	-	-			46	668	31																													
Total EPH (C6C40) (aq)	ug/l	100	10	-			100	3540	129	*100*	*100*	*100*	*100*	*100*	*100*	*100*	*100*	630	*100*	*100*	*100*	104	*100*	*100*	*100*	106	*100*	137	*100*	*100*	3540	*100*	*100*						

Note: Yellow within input data column denotes average value used in absence of sample specific value. Reference should be made to the report text for further information.

INPUT DATA											RESULTS (Copper)					RESULTS (Zinc)					RESULTS (Mn)					RESULTS (Ni)				
ID	Location	Lab specimen reference	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	Exceedance?	Site-specific PNEC Dissolved Zinc (µg l^{-1})	BioF	Bioavailable Zinc Concentration (µg l^{-1})	Risk Characterisation Ratio	Exceedance?	Site-specific PNEC Dissolved Manganese (µg l^{-1})	BioF	Bioavailable Manganese Concentration (µg l^{-1})	Risk Characterisation Ratio	Exceedance?	Site-specific PNEC Dissolved Nickel (µg l^{-1})	BioF	Bioavailable Nickel Concentration (µg l^{-1})	Risk Characterisation Ratio	Exceedance?
1	BH1009	14/06979/1	DOnGI			123		10.17	6	50	10.30	0.10			-	32.59	0.33			-	123.00	1.00	123.00	1.00	No	4.00	1.00			-
2	BH1010R	15/00305/4	DOnGI			1		12.24	6	462	10.02	0.10			-	32.87	0.33			-	123.00	1.00	1.00	0.01	No	4.00	1.00			-
3	BH1012	15/00171/5	DOnGI			26		7.39	6	102	27.76	0.04			-	29.08	0.37			-	715.15	0.17	4.47	0.04	No	18.52	0.22			-
4	BH1013R	14/06979/2	DOnGI			47		7.1	6	69	26.34	0.04			-	27.22	0.40			-	734.42	0.17	7.87	0.06	No	21.26	0.19			-
5	BH1025R	14/06979/3	DOnGI			310		6.39	6	37	12.05	0.08			-	22.71	0.48			-	1625.47	0.08	23.46	0.19	No	23.07	0.17			-
6	BH1028R	14/06979/4	DOnGI			1476		7.17	6	82	27.19	0.04			-	27.69	0.39			-	1094.86	0.11	165.82	1.35	Yes	21.16	0.19			-
7	BH14	11/01258/1	lOnGI	1	3		1	6.6	6	75.1	17.76	0.06	0.06	0.06	No	24.22	0.45	1.35	0.12	No	2394.99	0.05			-	26.61	0.15	0.15	0.04	No
8	BH14	11/01890/1	lOnGI	1	2	5	1	6.9	6	75.1	23.85	0.04	0.04	0.04	No	26.03	0.42	0.84	0.08	No	1846.56	0.07	0.33	0.00	No	23.67	0.17	0.17	0.04	No
9	BH14	14/07071/4	DOnGI	1	4	29	1	7.49	6	30	26.41	0.04	0.04	0.04	No	29.35	0.37	1.49	0.14	No	332.49	0.37	10.73	0.09	No	13.03	0.31	0.31	0.08	No
10	BH15	11/01911/1	lOnGI	8	2	1290	1	7.2	6	75.1	27.23	0.04	0.29	0.29	No	27.85	0.39	0.78	0.07	No	1033.09	0.12	153.59	1.25	Yes	20.77	0.19	0.19	0.05	No
11	BH16	14/03816/2	DOnGI	8	2	1606	1	8.06	6	80	18.12	0.06	0.44	0.44	No	32.70	0.33	0.67	0.06	No	195.48	0.63	1010.55	8.22	Yes	11.77	0.34	0.34	0.08	No
12	BH17	14/03827/2	DOnGI	2	6	1	1	7.6	6	21	25.51	0.04	0.08	0.08	No	29.93	0.36	2.19	0.20	No	265.90	0.46	0.46	0.00	No	12.20	0.33	0.33	0.08	No
13	BH20	14/03882/5	DOnGI	1	4	197	1	6.69	6	64	19.46	0.05	0.05	0.05	No	24.71	0.44	1.76	0.16	No	1689.50	0.07	14.34	0.12	No	24.31	0.16	0.16	0.04	No
14	BH21	14/03827/1	DOnGI	3	4	518	1	8.13	6	85	16.63	0.06	0.18	0.18	No	32.72	0.33	1.33	0.12	No	170.70	0.72	373.25	3.03	Yes	10.67	0.37	0.37	0.09	No
15	BH24	14/03827/3	DOnGI	2	7	1	1	8.08	6	98	17.70	0.06	0.11	0.11	No	32.75	0.33	2.33	0.21	No	188.05	0.65	0.65	0.01	No	10.96	0.36	0.36	0.09	No
16	BH309	11/02226/6	lOnGI			3		8	6	37.8	19.45	0.05			-	32.52	0.34			-	123.00	1.00	3.00	0.02	No	9.47	0.42			-
17	BH309	11/02988/21	lOnGI			2		7.1	6	52.2	25.93	0.04			-	27.13	0.40			-	734.42	0.17	0.33	0.00	No	18.81	0.21			-
18	BH309	14/03698/5	DOnGI	1	7	1	1	6.57	6	42	16.12	0.06	0.06	0.06	No	23.85	0.46	3.20	0.29	No	1766.03	0.07	0.07	0.00	No	20.62	0.19	0.19	0.05	No
19	BH309	14/03698/6	DOnGI	1	2	4	1	7.15	6	65	26.68	0.04	0.04	0.04	No	27.50	0.40	0.79	0.07	No	663.47	0.19	0.74	0.01	No	20.34	0.20	0.20	0.05	No
20	BH309R	11/02226/5	lOnGI			2		8.4	6	60.7	11.52	0.09			-	32.63	0.33			-	123.00	1.00	2.00	0.02	No	6.94	0.58			-
21	BH309R	11/02988/22	lOnGI			2		7.8	6	70.5	23.21	0.04			-	31.46	0.35			-	323.36	0.38	0.76	0.01	No	14.52	0.28			-
22	BH309R	14/03698/6	DOnGI	1	2	4	1	7.15	6	65	26.68	0.04	0.04	0.04	No	27.50	0.40	0.79	0.07	No	663.47	0.19	0.74	0.01	No	20.34	0.20	0.20	0.05	No
23	BH310	11/02226/2	lOnGI			7		8	6	70.5	19.39	0.05			-	32.67	0.33			-	219.55	0.56	3.92	0.03	No	12.34	0.32			-
24	BH310	11/02988/23	lOnGI			18		7.7	6	70.2	24.78	0.04			-	30.85	0.35			-	392.43	0.31	5.64	0.05	No	15.54	0.26			-
25	BH310	14/03716/2	DOnGI	1	18	160	1	6.65	6	76	18.91	0.05	0.05	0.05	No	24.52	0.44	8.00	0.73	No	2412.53	0.05	8.16	0.07	No	26.18	0.15	0.15	0.04	No
26	BH310R	11/02226/3	lOnGI			230		8.4	6	75.6	11.43	0.09			-	32.69	0.33			-	123.00	1.00	230.60	1.87	Yes	7.65	0.52			-
27	BH310R	11/02226/4	lOnGI			36		8.2	6	62.3	15.22	0.07			-	32.64	0.33			-	123.00	1.00	36.00	0.29	No	9.51	0.42			-
28	BH310R	11/02988/24	lOnGI			331		7.5	6	75.9	26.98	0.04			-	29.66	0.37			-	577.98	0.21	70.44	0.57	No	17.83	0.22			-
29	BH310R	14/03747/3	DOnGI	1	2	220	1	8.14	6	73	16.43	0.06	0.06	0.06	No	32.68	0.33	0.67	0.06	No	167.43	0.71	161.62	1.31	Yes	10.83	0.37	0.37	0.09	No
30	BH310R	14/03882/6	DOnGI	1	1	2	1	6.97	6	16	23.11	0.04	0.04	0.04	No	25.99	0.42	0.42	0.04	No	660.83	0.19	0.37	0.00	No	15.18	0.26	0.26	0.07	No
31	BH312	14/03890/4	DOnGI	5	2		1	7.9	6	75.1	21.40	0.05	0.23	0.23	No	32.08	0.34	0.68	0.06	No	266.45	0.46			-	13.61	0.29	0.29	0.07	No
32	BH312	14/05074/3	DOnGI					7.9	6	75.1	21.40	0.05			-	32.08	0.34			-	266.45	0.46			-	13.61	0.29			-
33	BH312	14/05074/4	DOnGI	1	1	1	1	7.9	6	77	21.41	0.05	0.05	0.05	No	32.09	0.34	0.34	0.03	No	266.45	0.46	0.46	0.00	No	13.63	0.29	0.29	0.07	No
34	BH312	14/06797/2	DOnGI	10	43		1	7.9	6	75.1	21.40	0.05	0.47	0.47	No	32.08	0.34	14.61	1.34	Yes	266.45	0.46			-	13.61	0.29	0.29	0.07	No
35	BH313	14/03890/6	DOnGI	6	5	1083	1	6.97	6	65	24.67	0.04	0.24	0.24	No	26.41	0.41	2.06	0.19	No	956.46	0.13	139.27	1.13	Yes	21.96	0.18	0.18	0.05	No
36	BH313	14/05074/6	DOnGI	4	10	2657	2	7.9	6	77	21.41	0.05	0.19	0.19	No	32.09	0.34	3.40	0.31	No	266.45	0.46	1226.55	9.97	Yes	13.63	0.29	0.59	0.15	No
37	BH313	14/05074/7	DOnGI					6.94	6	75.1	24.49	0.04			-	26.27	0.41			-	1708.96	0.07			-	23.29	0.17			-
38	BH313	14/06797/3	DOnGI	6	5		1	7.9	6	75.1	21.40	0.05	0.28	0.28	No	32.08	0.34	1.70	0.16	No	266.45	0.46			-	13.61	0.29	0.29	0.07	No
39	BH314	14/03882/4	DOnGI	9	4	1079	2	6.8	6	52	21.37	0.05	0.42	0.42	No	25.31	0.43	1.72	0.16	No	1351.10	0.09	98.23	0.80	No	21.12	0.19	0.38	0.09	No
40	BH314	14/05038/2	DOnGI	4	4	1405	3	7.79	6	61	23.34	0.04	0.17	0.17	No	31.36	0.35	1.39	0.13	No	180.73	0.68	956.18	7.77	Yes	13.84	0.29	0.87	0.22	No
41	BH314	14/06797/1	DOnGI	7	7	1289	3	6.6	6	56	17.23	0.06	0.41	0.41	No	24.12	0.45	3.16	0.29	No	2028.53	0.06	78.16	0.64	No	23.55	0.17	0.51	0.13	No
42	BH509	11/02988/3	lOnGI			796		7.5	6	102.4	27.18	0.04			-	29.75	0.37			-	577.98	0.21	169.40	1.38	Yes	17.37	0.23			-
43	BH509	14/03698/2	DOnGI	1	4	285	2	7.23	6	88	27.61	0.04	0.04	0.04	No	28.07	0.39	1.55	0.14	No	974.80	0.13	35.96	0.29	No	20.18	0.20	0.40	0.10	No
44	BH512	11/02988/1	lOnGI			2610		7.3	6	141	27.85	0.04			-	28.63	0.38			-	851.26	0.14	377.12	3.07	Yes	19.45	0.21			-
45	BH512	14/03669/1	DOnGI	1	2	2165	6	7.01	6	86	25.73	0.04	0.04	0.04	No	26.74	0.41	0.82	0.07	No	1492.38	0.08	178.49	1.45	Yes	22.60	0.18	1.06	0.27	No
46	BH512R	11/02988/2	lOnGI			1430		7.1	6	59.5	26.11	0.04			-	27.17	0.40			-	734.42	0.17	239.49	1.95	Yes	20.01	0.20			-
47	BH512R	14/03669/2	DOnGI	1	1	1	1	7.66	6	67	25.29	0.04	0.04	0.04	No	30.60	0.36	0.36	0.03	No	235.38	0.52	0.52	0.00	No	15.72	0.25	0.25	0.06	No
48	BH516	11/02988/4	lOnGI			169		7.5	6	77.3	26.99	0.04			-	29.67	0.37			-	577.98	0.21	35.96	0.29	No	17.86	0.22			-
49	BH516	14/03716/3	DOnGI	2	2	1	1	6.74	6	76	20.86	0.05	0.10	0.10	No	25.07	0.43	0.87	0.08	No	2414.44	0.05	0.05	0.00	No	25.29	0.16	0.16	0.04	No
50	BH516R	11/02988/5	lOnGI			87		7.2	6	81.3	27.35	0.04			-	27.87	0.39			-	1033.09	0.12	10.36	0.08	No	20.87	0.19			-
51	BH516R	14/03716/4	DOnGI	1	1	110	1	7.35	6	76	27.58	0.04	0.04	0.04	No	28.76	0.38	0.38	0.03	No	772.72	0.16	17.51	0.14	No	19.33	0.21	0.21	0.05	No
52	BH518R	11/02988/6	lOnGI			14		7.9	6	65.6	21.38	0.05			-	32.05	0.34			-	144.53	0.85	11.91	0.10	No	13.12	0.30			-
53	BH518R	14/03698/4	DOnGI	1	2	4	1	7.36	6	65	27.39	0.04	0.04	0.04	No	28.77	0.38	0.76	0.07	No	433.02	0.28	1.14	0.01	No	18.42	0.22	0.22	0.05	No
54	BH520	11/02988/7	lOnGI			927		7.7	6	80.5	24.85	0.04			-	30.89	0.35			-	392.43	0.31	290.55	2.36	Yes	15.76	0.25			-
55	BH520	14/03747/1	DOnGI	1	1	828	1	8.05	6	72	18.34	0.05	0.05	0.05	No	32.68	0.33	0.33	0.03	No	199.30	0.62	511.02	4.15	Yes	11.84	0.34	0.34	0.08	No
56	BH521R	11/02988/27	lOnGI			3		7.4	6	62.5	27.28	0.04			-	29.01	0.38			-	399.21	0.31	0.92	0.01	No	17.76	0.23			-
57	BH523BR	11/02988/8	lOnGI			201		8.1	6	25.5	17.53	0.06			-	32.42	0.34			-	123.00	1.00	201.09	1.63	Yes	8.37	0.48			-
58	BH523BR	11/02988/9	lOnGI			31		7.4	6	11	26.32	0.04			-	28.52	0.38			-	399.21	0.31	9.55	0.08	No	14.00	0.29			-
59	BH524	11/02044/1	lOnGI			1150		7.4	6	79.1	27.53	0.04			-	29.07	0.37			-	701.43	0.18	201.66	1.64	Yes	18.88	0.21			-
60	BH524	11/02988/10	lOnGI			115		7	6	47	24.59	0.04			-	26.50	0.41			-	899.90	0.14	15.72	0.13	No	18.65	0.21			-
61	BH524	14/03669/3	DOnGI	1	1	173	1	7.52	6	88	26.97	0.04	0.04	0.04	No	29.83	0.37	0.37	0.03	No	556.03	0.22	38.27	0.31	No	17.16	0.23	0.23	0.06	No
62	BH524R	11/02988/11	lOnGI			188		7.3	6	62.7	27.33	0.04			-	28.40	0.38			-	489.16	0.25	47.27	0.38	No	18.70	0.21			-
63	BH524R	14/03669/4	DOnGI	1	1	18	1	7.77	6	64	23.68	0.04	0.04	0.04	No	31.25	0.35	0.35	0.03	No	188.23	0.65	11.76	0.10	No	14.34	0.28	0.28	0.07	No
64	BH525	11/02064/1	lOnGI			159		6.8	6	37.3	20.89	0.05			-	25.21	0.43			-	1351.10	0.09	14.47	0.12	No	18.20	0.22			-
65	BH525	11/02988/12	lOnGI			117		7	6	45	24.53	0.04			-	26.48	0.41			-	899.90	0.14	15.99	0.13	No	18.29	0.22			-
66	BH525	14/03669/5	DOnGI	2	4	1	1	6.3	6	28	10.12	0.10	0.20	0.20	No	22.07	0.49	1.98	0.18	No	1356.36	0.09	0.09	0.00	No	20.58	0.19	0.19	0.05	No
67	BH525	14/03669/6	DOnGI	1	1	1584	1	7.27	6	73	27.47	0.04	0.04	0.04	No	28.26	0.39	0.39	0.04	No	902.16	0.14	215.96	1.76	Yes	19.98	0.20	0.20	0.05	No
68	BH525R	11/02988/13	lOnGI			409		7.3	6	62.4	27.33	0.04			-	28.40	0.38			-	489.16	0.25	102.84	0.84	No	18.66	0.21			-
69	BH525R	14/03669/6	DOnGI	1	1	1584	1	7.27	6	73	27.47	0.04	0.04	0.04	No	28.26	0.39	0.39	0.04	No	902.16	0.14	215.96	1.76	Yes	19.98	0.20	0.20	0.05	No

Note: Yellow within input data column denotes average value used in absence of sample specific value. Reference should be made to the report text for further information.

INPUT DATA											RESULTS (Copper)					RESULTS (Zinc)					RESULTS (Mn)					RESULTS (Ni)				
ID	Location	Lab specimen reference	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	Exceedance?	Site-specific PNEC Dissolved Zinc (µg l^{-1})	BioF	Bioavailable Zinc Concentration (µg l^{-1})	Risk Characterisation Ratio	Exceedance?	Site-specific PNEC Dissolved Manganese (µg l^{-1})	BioF	Bioavailable Manganese Concentration (µg l^{-1})	Risk Characterisation Ratio	Exceedance?	Site-specific PNEC Dissolved Nickel (µg l^{-1})	BioF	Bioavailable Nickel Concentration (µg l^{-1})	Risk Characterisation Ratio	Exceedance?
70	BH526	11/02988/14	lOnGl			337		7.8	6	80.8	23.26	0.04			-	31.50	0.35			-	323.36	0.31	128.11	1.04	Yes	14.67	0.27			-
71	BH526	14/03716/1	DOnGl	1	1	223	1	7.53	6	66	26.63	0.04	0.04	0.04	No	29.81	0.37	0.37	0.03	No	306.54	0.40	89.48	0.73	No	16.91	0.24	0.24	0.06	No
72	BH526R	11/02988/15	lOnGl			29		7.9	6	78.7	21.41	0.05			-	32.09	0.34			-	266.45	0.46	13.39	0.11	No	13.62	0.29			-
73	BH526R	11/02988/16	lOnGl			44		8	6	84.5	19.40	0.05			-	32.72	0.33			-	219.55	0.56	24.65	0.20	No	12.23	0.33			-
74	BH526R	14/03882/2	DOnGl	1	1	207	1	7.81	6	84	23.10	0.04	0.04	0.04	No	31.57	0.35	0.35	0.03	No	317.16	0.39	80.28	0.65	No	14.40	0.28	0.28	0.07	No
75	BH526R	14/03882/3	DOnGl	1	8	693	1	7.6	6	96	26.24	0.04	0.04	0.04	No	30.33	0.36	2.87	0.26	No	476.25	0.26	178.98	1.46	Yes	16.31	0.25	0.25	0.06	No
76	BH529	11/02226/7	lOnGl			716		7.6	6	44.8	25.77	0.04			-	30.13	0.36			-	265.90	0.46	331.21	2.69	Yes	13.66	0.29			-
77	BH529	14/03747/2	DOnGl	1	2	31	1	7.68	6	45	24.86	0.04	0.04	0.04	No	30.62	0.36	0.71	0.07	No	226.00	0.54	16.87	0.14	No	13.00	0.31	0.31	0.08	No
78	BH535	11/02988/17	lOnGl			986		7.8	6	50.7	23.13	0.04			-	31.38	0.35			-	177.10	0.69	684.80	5.57	Yes	12.58	0.32			-
79	BH535	14/03698/1	DOnGl	1	4	1	1	5.98	6	19	7.44	0.13	0.13	0.13	No	20.11	0.54	2.17	0.20	No	710.08	0.17	0.17	0.00	No	18.58	0.22	0.22	0.05	No
80	BH535R	11/02988/18	lOnGl			183		8	6	54.8	19.40	0.05			-	32.61	0.33			-	123.00	1.00	183.00	1.49	Yes	11.03	0.36			-
81	BH535R	14/03698/3	DOnGl	1	3	274	2	7.5	6	50	26.64	0.04	0.04	0.04	No	29.55	0.37	1.11	0.10	No	325.80	0.38	103.44	0.84	No	15.19	0.26	0.53	0.13	No
82	BH536R	11/02988/19	lOnGl			5		13.1	6	365	10.02	0.10			-	32.87	0.33			-	123.00	1.00	5.00	0.04	No	4.00	1.00			-
83	BH536R	14/03816/1	DOnGl	2	2	1	1	8.01	6	97	19.20	0.05	0.10	0.10	No	32.75	0.33	0.67	0.06	No	215.34	0.57	0.57	0.00	No	11.78	0.34	0.34	0.08	No
84	BH704R	14/03452/1	DOnGl	9	30	1	1	7.9	6	75.1	21.40	0.05	0.42	0.42	No	32.08	0.34	10.19	0.94	No	266.45	0.46	0.46	0.00	No	13.61	0.29	0.29	0.07	No
85	BH705	14/03706/1	DOnGl	239	194	1610	56	7.9	6	75.1	21.40	0.05	11.17	11.17	Yes	32.08	0.34	65.91	6.05	Yes	266.45	0.46	743.22	6.04	Yes	13.61	0.29	16.46	4.11	Yes
86	BH707R	14/03452/3	DOnGl	1	1	1	1	7.9	6	75.1	21.40	0.05	0.05	0.05	No	32.08	0.34	0.34	0.03	No	266.45	0.46	0.46	0.00	No	13.61	0.29	0.29	0.07	No
87	BH712R	15/00131/1	DOnGl			1		10.78	6	95	10.02	0.10			-	32.74	0.33			-	123.00	1.00	1.00	0.01	No	4.00	1.00			-
88	BH713R	14/05074/1	DOnGl			2857		7.16	6	84	27.16	0.04			-	27.64	0.39			-	1116.27	0.11	314.81	2.56	Yes	21.19	0.19			-
89	BH717	15/00305/3	DOnGl			1		12.49	6	49	10.31	0.10			-	32.58	0.33			-	123.00	1.00	1.00	0.01	No	4.00	1.00			-
90	BH718	14/02966/5	DOnGl	61	70	820	17	7.9	6	75.1	21.40	0.05	2.85	2.85	Yes	32.08	0.34	23.78	2.18	Yes	266.45	0.46	378.54	3.08	Yes	13.61	0.29	5.00	1.25	Yes
91	BH719A	14/05074/8	DOnGl	12	11	1	22	7.9	6	402	21.46	0.05	0.56	0.56	No	32.27	0.34	3.72	0.34	No	266.45	0.46	0.46	0.00	No	13.04	0.31	6.75	1.69	Yes
92	BH724R	14/02966/2	DOnGl	2	1	14	1	7.9	6	75.1	21.40	0.05	0.09	0.09	No	32.08	0.34	0.34	0.03	No	266.45	0.46	6.46	0.05	No	13.61	0.29	0.29	0.07	No
93	BH725R	14/03706/2	DOnGl	1	1	11	1	7.9	6	75.1	21.40	0.05	0.05	0.05	No	32.08	0.34	0.34	0.03	No	266.45	0.46	5.08	0.04	No	13.61	0.29	0.29	0.07	No
94	BH726	14/03706/3	DOnGl	1	1	1	1	7.9	6	75.1	21.40	0.05	0.05	0.05	No	32.08	0.34	0.34	0.03	No	266.45	0.46	0.46	0.00	No	13.61	0.29	0.29	0.07	No
95	BH726	14/07034/1	DOnGl			1		11.91	6	63	10.15	0.10			-	32.64	0.33			-	123.00	1.00	1.00	0.01	No	4.00	1.00			-
96	BH727R	15/00208/1	DOnGl			1		11.28	6	79	10.05	0.10			-	32.70	0.33			-	123.00	1.00	1.00	0.01	No	4.00	1.00			-
97	BH728R	14/02966/4	DOnGl	1	7	7	1	7.9	6	75.1	21.40	0.05	0.05	0.05	No	32.08	0.34	2.38	0.22	No	266.45	0.46	3.23	0.03	No	13.61	0.29	0.29	0.07	No
98	BH734	14/02966/1	DOnGl	1	8	74	1	7.9	6	75.1	21.40	0.05	0.05	0.05	No	32.08	0.34	2.72	0.25	No	266.45	0.46	34.16	0.28	No	13.61	0.29	0.29	0.07	No
99	BH741R-1-D	14/04067/8	DOnGl	1	1	39	1	7.9	6	75.1	21.40	0.05	0.05	0.05	No	32.08	0.34	0.34	0.03	No	266.45	0.46	18.00	0.15	No	13.61	0.29	0.29	0.07	No
100	BH745R	14/07067/1	DOnGl			1		6.87	6	45	22.46	0.04			-	25.69	0.42			-	1171.96	0.10	0.10	0.00	No	19.21	0.21			-
101	BH748R	14/03452/4	DOnGl	1	1	186	1	7.9	6	75.1	21.40	0.05	0.05	0.05	No	32.08	0.34	0.34	0.03	No	266.45	0.46	85.86	0.70	No	13.61	0.29	0.29	0.07	No
102	BH758R	15/00520/1	DOnGl			1		12.21	6	181	10.02	0.10			-	32.87	0.33			-	123.00	1.00	1.00	0.01	No	4.00	1.00			-
103	BH759	14/02966/3	DOnGl	2	2	43	1	7.9	6	75.1	21.40	0.05	0.09	0.09	No	32.08	0.34	0.68	0.06	No	266.45	0.46	19.85	0.16	No	13.61	0.29	0.29	0.07	No
104	BH762	14/03452/2	DOnGl	2	1	9	1	7.9	6	75.1	21.40	0.05	0.09	0.09	No	32.08	0.34	0.34	0.03	No	266.45	0.46	4.15	0.03	No	13.61	0.29	0.29	0.07	No
105	BH763	14/05074/2	DOnGl			594		7.98	6	79	19.80	0.05			-	32.58	0.33			-	228.22	0.54	320.14	2.60	Yes	12.71	0.31			-
106	BH769R	14/07034/3	DOnGl			1		8.76	6	35	10.53	0.09			-	32.50	0.34			-	123.00	1.00	1.00	0.01	No	4.00	1.00			-
107	BH777R	14/05074/9	DOnGl			1		11.05	6	150	10.02	0.10			-	32.86	0.33			-	123.00	1.00	1.00	0.01	No	4.00	1.00			-
108	BH786R	14/03655/1	DOnGl	9	2	1661	1	7.9	6	75.1	21.40	0.05	0.42	0.42	No	32.08	0.34	0.68	0.06	No	266.45	0.46	766.77	6.23	Yes	13.61	0.29	0.29	0.07	No
109	BH787R	14/07034/4	DOnGl			4		7.9	6	41	21.36	0.05			-	31.93	0.34			-	144.53	0.85	3.40	0.03	No	10.64	0.38			-
110	BH793R	14/04020/1	DOnGl	1	1	26	1	7.9	6	75.1	21.40	0.05	0.05	0.05	No	32.08	0.34	0.34	0.03	No	266.45	0.46	12.00	0.10	No	13.61	0.29	0.29	0.07	No
111	BH794R	14/04067/4	DOnGl	2	1	1	1	7.9	6	75.1	21.40	0.05	0.09	0.09	No	32.08	0.34	0.34	0.03	No	266.45	0.46	0.46	0.00	No	13.61	0.29	0.29	0.07	No
112	BH794R	15/00206/5	DOnGl			40		8.45	6	72	10.71	0.09			-	32.68	0.33			-	123.00	1.00	40.00	0.33	No	6.94	0.58			-
113	BH796R	14/04007/2	DOnGl	1	4	57	2	7.9	6	75.1	21.40	0.05	0.05	0.05	No	32.08	0.34	1.36	0.12	No	266.45	0.46	26.31	0.21	No	13.61	0.29	0.59	0.15	No
114	BH801R	14/07067/3	DOnGl			2		7.31	6	79	27.64	0.04			-	28.53	0.38			-	834.94	0.15	0.29	0.00	No	19.79	0.20			-
115	BH802R	15/00171/3	DOnGl			2258		7.67	6	127	25.36	0.04			-	30.83	0.35			-	415.90	0.30	667.80	5.43	Yes	15.57	0.26			-
116	BH811	14/04067/2	DOnGl	1	1	11	1	7.9	6	75.1	21.40	0.05	0.05	0.05	No	32.08	0.34	0.34	0.03	No	266.45	0.46	5.08	0.04	No	13.61	0.29	0.29	0.07	No
117	BH817R	14/04067/3	DOnGl	3	1	1	1	7.9	6	75.1	21.40	0.05	0.14	0.14	No	32.08	0.34	0.34	0.03	No	266.45	0.46	0.46	0.00	No	13.61	0.29	0.29	0.07	No
118	BH822R	15/00261/3	DOnGl			1		11.96	6	149	10.02	0.10			-	32.86	0.33			-	123.00	1.00	1.00	0.01	No	4.00	1.00			-
119	BH833R	14/04067/7	DOnGl	2	1	146	1	7.9	6	75.1	21.40	0.05	0.09	0.09	No	32.08	0.34	0.34	0.03	No	266.45	0.46	67.40	0.55	No	13.61	0.29	0.29	0.07	No
120	BH844R	14/04067/6	DOnGl	1	1	140	1	7.9	6	75.1	21.40	0.05	0.05	0.05	No	32.08	0.34	0.34	0.03	No	266.45	0.46	64.63	0.53	No	13.61	0.29	0.29	0.07	No
121	BH850R	15/00305/2	DOnGl			43		7.95	6	80	20.42	0.05			-	32.40	0.34			-	241.87	0.51	21.87	0.18	No	13.03	0.31			-
122	BH852R	15/00261/4	DOnGl			64		7.3	6	87	27.76	0.04			-	28.49	0.38			-	851.26	0.14	9.25	0.08	No	19.55	0.20			-
123	BH853R	15/00171/7	DOnGl			12		7.57	6	83	26.46	0.04			-	30.11	0.36			-	504.73	0.24	2.92	0.02	No	17.03	0.23			-
124	BH854RA	15/00206/4	DOnGl			41		7.89	6	65	21.57	0.05			-	31.98	0.34			-	147.50	0.83	34.19	0.28	No	13.18	0.30			-
125	BH856	14/07071/5	DOnGl	1	3	41	2	7.25	6	21	26.22	0.04	0.04	0.04	No	27.79	0.39	1.18	0.11	No	541.47	0.23	9.31	0.08	No	14.06	0.28	0.57	0.14	No
126	BH857R	15/00206/1	DOnGl	1	1	8	1	7.77	6	36	23.55	0.04	0.04	0.04	No	31.11	0.35	0.35	0.03	No	188.23	0.65	5.23	0.04	No	11.37	0.35	0.35	0.09	No
127	BH858	15/00171/1	DOnGl	1	1	38	1	8.78	6	62	10.16	0.10	0.10	0.10	No	32.64	0.33	0.33	0.03	No	123.00	1.00	38.00	0.31	No	4.00	1.00	1.00	0.25	No
128	BH860	15/00171/2	DOnGl			16		6.71	6	66	19.95	0.05			-	24.84	0.44			-	1622.22	0.08	1.21	0.01	No	24.45	0.16			-
129	BH862R	15/00159/2	DOnGl			3		8.75	6	37	10.50	0.10			-	32.51	0.34			-	123.00	1.00	3.00	0.02	No	4.00	1.00			-
130	BH863R	15/00159/1	DOnGl			54		6.62	6	50	17.50	0.06			-	24.21	0.45			-	1947.74	0.06	3.41	0.03	No	22.08	0.18			-
131	BH864R	15/00131/3	DOnGl			1		11.9	6	7	11.21	0.09			-	32.10	0.34			-	123.00	1.00	1.00	0.01	No	4.00	1.00			-
132	BH866R	14/07071/1	DOnGl			2842		7.13	6	59	26.38	0.04			-	27.35	0.40			-	690.99	0.18	505.89	4.11	Yes	19.68	0.20			-
133	BH867R	15/00159/3	DOnGl			1		9.13	6	32	10.59	0.09			-	32.48	0.34			-	123.00	1.00	1.00	0.01	No	4.00	1.00			-
134	BH870R	15/00305/1	DOnGl			1		12.25	6	474	10.02	0.10			-	32.87	0.33			-	123.00	1.00	1.00	0.01	No	4.00	1.00			-
135	BH871R	15/00520/2	DOnGl			1		12.58	6	312	10.02	0.10			-	32.87	0.33			-	123.00	1.00	1.00	0.01	No	4.00	1.00			-
136	BH874RA	15/00261/1	DOnGl			1		11.96	6	374	10.02	0.10			-	32.87	0.33			-	123.00	1.00	1.00	0.01	No	4.00	1.00			-
137	BH875R	15/00206/3	DOnGl			2		6.16	6	33	8.14	0.12			-	21.27	0.51			-	1504.70	0.08	0.16	0.00	No	21.92	0.18			-
138	BH878R	15/00261/2	DOnGl			1		11.95	6	301	10.02	0.10			-	32.87	0.33			-	123.00	1.00	1.00	0.01	No	4.00	1.00			-

Note: Yellow within input data column denotes average value used in absence of sample specific value. Reference should be made to the report text for further information.

INPUT DATA											RESULTS (Copper)					RESULTS (Zinc)					RESULTS (Mn)					RESULTS (Ni)				
ID	Location	Lab specimen reference	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	Exceedance?	Site-specific PNEC Dissolved Zinc (µg l^{-1})	BioF	Bioavailable Zinc Concentration (µg l^{-1})	Risk Characterisation Ratio	Exceedance?	Site-specific PNEC Dissolved Manganese (µg l^{-1})	BioF	Bioavailable Manganese Concentration (µg l^{-1})	Risk Characterisation Ratio	Exceedance?	Site-specific PNEC Dissolved Nickel (µg l^{-1})	BioF	Bioavailable Nickel Concentration (µg l^{-1})	Risk Characterisation Ratio	Exceedance?
139	BH880R	14/07067/4	DOnGl			61		6.57	6	95	17.49	0.06			-	24.11	0.45			-	2961.05	0.04	2.53	0.02	No	27.07	0.15			-
140	BH887R	15/00131/2	DOnGl			4		8.15	6	63	16.25	0.06			-	32.64	0.33			-	123.00	1.00	4.00	0.03	No	10.14	0.39			-
141	BH894R	14/04007/1	DOnGl	1	1	37	1	7.9	6	75.1	21.40	0.05	0.05	0.05	No	32.08	0.34	0.34	0.03	No	266.45	0.46	17.08	0.14	No	13.61	0.29	0.29	0.07	No
142	BH913R	14/04067/5	DOnGl	1	1	51	1	7.9	6	75.1	21.40	0.05	0.05	0.05	No	32.08	0.34	0.34	0.03	No	266.45	0.46	23.54	0.19	No	13.61	0.29	0.29	0.07	No
143	BH941R	15/00159/4	DOnGl			1		8.7	6	75	10.07	0.10			-	32.69	0.33			-	123.00	1.00	1.00	0.01	No	4.00	1.00			-
144	BH943	14/04067/1	DOnGl	1	1	37	1	7.9	6	75.1	21.40	0.05	0.05	0.05	No	32.08	0.34	0.34	0.03	No	266.45	0.46	17.08	0.14	No	13.61	0.29	0.29	0.07	No
145	BH947R	15/00206/6	DOnGl			257		7.12	6	78	26.73	0.04			-	27.37	0.40			-	1206.14	0.10	26.21	0.21	No	21.66	0.18			-
146	BH950R	15/00206/2	DOnGl			5		6.53	6	25	14.67	0.07			-	23.44	0.47			-	1265.17	0.10	0.49	0.00	No	17.51	0.23			-
147	BH951R	14/07034/2	DOnGl			126		6.84	6	49	22.04	0.05			-	25.54	0.43			-	1245.63	0.10	12.44	0.10	No	20.22	0.20			-
148	BH957	15/00171/4	DOnGl			37		6.53	6	35	15.01	0.07			-	23.55	0.46			-	1572.11	0.08	2.89	0.02	No	19.34	0.21			-
149	BH958R	15/00171/6	DOnGl			347		7.53	6	86	26.86	0.04			-	29.88	0.36			-	545.37	0.23	78.26	0.64	No	17.25	0.23			-
150	BHRN1A	14/03816/3	DOnGl	1	3	1	1	7.47	6	22	26.37	0.04	0.04	0.04	No	29.14	0.37	1.12	0.10	No	346.28	0.36	0.36	0.00	No	12.92	0.31	0.31	0.08	No
151	RGM-BH1	14/07067/2	DOnGl			525		7.24	6	102	27.73	0.04			-	28.18	0.39			-	956.11	0.13	67.54	0.55	No	20.07	0.20			-
152	RGM-BH1	14/07071/2	DOnGl			2344		7.54	6	93	26.85	0.04			-	29.96	0.36			-	534.91	0.23	538.59	4.38	Yes	16.95	0.24			-
153	RGM-BH13	14/06795/6	DOnGl			77		7.74	6	50	24.07	0.04			-	31.01	0.35			-	200.06	0.61	47.34	0.38	No	13.06	0.31			-
154	RGM-BH2	14/06795/1	DOnGl			4431		7.77	6	97	23.84	0.04			-	31.36	0.35			-	342.70	0.36	1590.37	12.93	Yes	14.48	0.28			-
155	RGM-BH4	14/06795/2	DOnGl			168		7.13	6	31	25.63	0.04			-	27.17	0.40			-	690.99	0.18	29.90	0.24	No	15.32	0.26			-
156	RGM-BH4A	14/06795/3	DOnGl			1883		7.85	6	65	22.31	0.04			-	31.74	0.34			-	159.99	0.77	1447.65	11.77	Yes	13.60	0.29			-
157	RGM-BH5	14/06795/4	DOnGl			4958		7.42	6	136	27.65	0.04			-	29.34	0.37			-	674.80	0.18	903.73	7.35	Yes	18.21	0.22			-
158	RGM-BH6	14/07071/3	DOnGl			34		6.44	6	35	13.04	0.08			-	23.00	0.47			-	1569.99	0.08	2.66	0.02	No	22.49	0.18			-
159	RGM-BH7	14/06795/5	DOnGl			1243		7.98	6	68	19.80	0.05			-	32.54	0.33			-	123.00	1.00	1243.00	10.11	Yes	12.42	0.32			-
160	RN1A	11/01911/2	lOnGl	1	4	56	1	6.6	6	75.1	17.76	0.06	0.06	0.06	No	24.22	0.45	1.80	0.17	No	2394.99	0.05	2.88	0.02	No	26.61	0.15	0.15	0.04	No
161	RN1A	11/02226/1	lOnGl			23		8.3	6	60.3	13.26	0.08			-	32.63	0.33			-	123.00	1.00	23.00	0.19	No	8.15	0.49			-
162	RN1A	11/02988/20	lOnGl			7		8	6	84.9	19.40	0.05			-	32.72	0.33			-	219.55	0.56	3.92	0.03	No	12.20	0.33			-
163	RGMBH2	0	02-Mar-15	57.9	1.72	953	1.98	7.42	6	73.1	27.37	0.04	2.12	2.12	Yes	29.17	0.37	0.64	0.06	No	674.80	0.18	173.71	1.41	Yes	18.52	0.22	0.43	0.11	No
164	RGMBH6	0	02-Mar-15	11.5	15.6	342	4.77	7.02	6	26.9	24.22	0.04	0.47	0.47	No	26.45	0.41	6.43	0.59	No	864.06	0.14	48.68	0.40	No	15.49	0.26	1.23	0.31	No
165	BH309R	0	03-Mar-15	18.2	12.1	658	5.85	7.67	6	63.5	25.13	0.04	0.72	0.72	No	30.65	0.36	4.30	0.39	No	230.64	0.53	350.91	2.85	Yes	15.29	0.26	1.53	0.38	No
166	BH310CP	0	03-Mar-15	2.63	5.4	573	2.12	7.16	6	68.5	26.84	0.04	0.10	0.10	No	27.58	0.40	2.13	0.20	No	650.13	0.19	108.41	0.88	No	20.65	0.19	0.41	0.10	No
167	BH523RD	0	03-Mar-15	1.17	3.38	37.9	1.98	7.5	6	8.37	26.01	0.04	0.04	0.04	No	29.06	0.38	1.27	0.12	No	325.80	0.38	14.31	0.12	No	14.03	0.29	0.56	0.14	No
168	BH524CP	0	03-Mar-15	78.2	67.1	2200	28.8	7.72	6	117	24.64	0.04	3.17	3.17	Yes	31.11	0.35	23.51	2.16	Yes	377.53	0.33	716.77	5.83	Yes	15.01	0.27	7.67	1.92	Yes
169	BH524R	0	03-Mar-15	7.51	12.2	122	3.07	7.86	6	82.3	22.19	0.05	0.34	0.34	No	31.86	0.34	4.17	0.38	No	287.90	0.43	52.12	0.42	No	13.95	0.29	0.88	0.22	No
170	BH525CP	0	03-Mar-15	26.9	19.2	842	6.79	7.02	6	27.3	24.24	0.04	1.11	1.11	Yes	26.46	0.41	7.91	0.73	No	864.06	0.14	119.86	0.97	No	15.53	0.26	1.75	0.44	No
171	BH525R	0	03-Mar-15	57.1	49.2	3040	22.9	7.41	6	102	27.69	0.04	2.06	2.06	Yes	29.20	0.37	18.37	1.68	Yes	687.99	0.18	543.50	4.42	Yes	18.31	0.22	5.00	1.25	Yes
172	RGMBH13	0	03-Mar-15	28	3.95	75.3	39.1	7.9	6	34.3	21.37	0.05	1.31	1.31	Yes	31.88	0.34	1.35	0.12	No	144.53	0.85	64.08	0.52	No	10.17	0.39	15.38	3.84	Yes
173	RGMBH1D	0	03-Mar-15	4.73	7.41	785	2.86	7.83	6	84.4	22.75	0.04	0.21	0.21	No	31.69	0.34	2.55	0.23	No	305.12	0.40	316.45	2.57	Yes	14.16	0.28	0.81	0.20	No
174	RGMBH1S	0	03-Mar-15	3.43	5.39	580	4.07	7.66	6	94	25.50	0.04	0.13	0.13	No	30.69	0.36	1.91	0.18	No	424.03	0.25	168.24	1.37	Yes	15.67	0.26	1.04	0.26	No
175	RGMBH4	0	03-Mar-15	4.55	1.18	93.9	1.3	6.96	6	23.2	23.22	0.04	0.20	0.20	No	26.04	0.42	0.49	0.05	No	826.52	0.15	13.97	0.11	No	15.47	0.26	0.34	0.08	No
176	RGMBH4A	0	03-Mar-15	2.17	1.1	2040	1.52	8.01	6	54.2	19.20	0.05	0.11	0.11	No	32.61	0.33	0.37	0.03	No	123.00	1.00	2040.00	16.59	Yes	10.87	0.37	0.56	0.14	No
177	RGMBH5	0	03-Mar-15	51	13.7	2060	6.66	7.35	6	89.4	27.71	0.04	1.84	1.84	Yes	28.80	0.38	5.18	0.48	No	772.72	0.16	327.90	2.67	Yes	18.94	0.21	1.41	0.35	No
178	BH309CP	0	04-Mar-15	3.08	3.57	118	1.57	6.96	6	35.4	23.64	0.04	0.13	0.13	No	26.17	0.42	1.49	0.14	No	976.09	0.13	14.87	0.12	No	16.91	0.24	0.37	0.09	No
179	BH310R1	0	04-Mar-15	1.01	1.43	6.15	0.801	7.49	6	60.9	26.85	0.04	0.04	0.04	No	29.54	0.37	0.53	0.05	No	332.49	0.37	2.28	0.02	No	16.73	0.24	0.19	0.05	No
180	BH310R2	0	04-Mar-15	3.32	3.15	469	1.43	7.53	6	79.6	26.79	0.04	0.12	0.12	No	29.86	0.37	1.15	0.11	No	545.37	0.23	105.78	0.86	No	17.55	0.23	0.33	0.08	No
181	BH526CP	0	04-Mar-15	72.5	145	247	48.9	7.73	6	174	24.48	0.04	2.96	2.96	Yes	31.25	0.35	50.58	4.64	Yes	370.29	0.33	82.05	0.67	No	14.92	0.27	13.11	3.28	Yes
182	BH526RS	0	04-Mar-15	1.44	68.2	259	1.6	7.76	6	88.8	23.98	0.04	0.06	0.06	No	31.28	0.35	23.77	2.18	Yes	349.40	0.35	91.18	0.74	No	14.59	0.27	0.44	0.11	No
183	BH535CP	0	04-Mar-15	2.23	3.14	39.4	2.07	6.89	6	17.6	21.84	0.05	0.10	0.10	No	25.53	0.43	1.34	0.12	No	698.99	0.18	6.93	0.06	No	15.47	0.26	0.54	0.13	No
184	BH535R	0	04-Mar-15	0.85	1.41	394	1.77	8.3	6	55.6	13.29	0.08	0.06	0.06	No	32.61	0.33	0.47	0.04	No	123.00	1.00	394.00	3.20	Yes	7.75	0.52	0.91	0.23	No
185	BH312	0	05-Mar-15	5.95	1.68	0.522	1.89	7.78	6	82.7	23.61	0.04	0.25	0.25	No	31.38	0.35	0.58	0.05	No	336.13	0.37	0.19	0.00	No	14.81	0.27	0.51	0.13	No
186	BH313	0	05-Mar-15	29.1	34	874	5.29	8.08	6	55.4	17.75	0.06	1.64	1.64	Yes	32.61	0.33	11.36	1.04	Yes	123.00	1.00	874.00	7.11	Yes	10.24	0.39	2.07	0.52	No
187	BH314	0	05-Mar-15	134	88.2	1370	11.8	7.58	6	54.3	26.06	0.04	5.14	5.14	Yes	30.06	0.36	31.88	2.93	Yes	276.92	0.44	608.51	4.95	Yes	15.07	0.27	3.13	0.78	No
188	BH314 Filtere	0	05-Mar-15	6.63	9.96	844	2.89	7.9	6	48.7	21.36	0.05	0.31	0.31	No	31.97	0.34	3.40	0.31	No	144.53	0.85	718.25	5.84	Yes	11.40	0.35	1.01	0.25	No
189	BH509CP	0	05-Mar-15	2.5	3.13	143	2.47	8.2	6	80.9	15.15	0.07	0.16	0.16	No	32.71	0.33	1.04	0.10	No	149.07	0.83	117.99	0.96	No	10.07	0.40	0.98	0.25	No
190	BH509CP Filt	0	05-Mar-15	2.61	8.67	217	2.75	7.9	6	79.8	21.41	0.05	0.12	0.12	No	32.10	0.34	2.94	0.27	No	266.45	0.46	100.17	0.81	No	13.60	0.29	0.81	0.20	No
191	BH512CP	0	05-Mar-15	26.5	45.3	4010	22.1	8.16	6	125	15.99	0.06	1.66	1.66	Yes	32.81	0.33	15.05	1.38	Yes	161.07	0.76	3062.19	24.90	Yes	10.01	0.40	8.83	2.21	Yes
192	BH512R	0	05-Mar-15	19.5	35	2250	18.3	8.2	6	76.2	15.16	0.07	1.29	1.29	Yes	32.69	0.33	11.67	1.07	Yes	149.07	0.83	1856.52	15.09	Yes	10.14	0.39	7.21	1.80	Yes
193	BH516A	0	05-Mar-15	51.4	37.3	129	4.96	8.01	6	87.6	19.19	0.05	2.68	2.68	Yes	32.72	0.33	12.42	1.14	Yes	215.34	0.57	73.68	0.60	No	11.83	0.34	1.68	0.42	No
194	BH516A Filter	0	05-Mar-15	3.59	3.79	2.14	1.46	7.9	6	86.6	21.43	0.05	0.17	0.17	No	32.12	0.34	1.29	0.12	No	266.45	0.46	0.99	0.01	No	13.19	0.30	0.44	0.11	No
195	BH518R	0	05-Mar-15	15.3	6.28	190	2.89	8.11	6	67.7	17.08	0.06	0.90	0.90	No	32.66	0.33	2.10	0.19	No	123.00	1.00	190.00	1.54	Yes	10.94	0.37	1.06	0.26	No
196	BH536R	0	05-Mar-15	4.77	10.4	58.8	1.85	7.61	6	61.2	25.83	0.04	0.18	0.18	No	30.27	0.36	3.74	0.34	No	260.55	0.47	27.76	0.23	No	15.63	0.26	0.47	0.12	No
197	RGMBH1D	0	08-Jun-15	1.12	3.92	280	2.22	8.04	6	94	18.56	0.05	0.06	0.06	No	32.74	0.33	1.30	0.12	No	203.19	0.61	169.49	1.38	Yes	11.43	0.35	0.78	0.19	No
198	RGMBH1S	0	08-Jun-15	1.05	4.3	540	2.39	8.19	6	102	15.36	0.07	0.07	0.07	No	32.76	0.33	1.43	0.13	No	151.98	0.81	437.02	3.55	Yes	9.65	0.41	0.99	0.25	No
199	RGMBH2	0	08-Jun-15	6.84	2.18	44.5	2.22	7.6	6	119	26.24	0.04	0.26	0.26	No	30.39	0.36	0.78	0.07	No	476.25	0.26	11.49	0.09	No	16.31	0.25	0.54	0.14	No
200	RGMBH6	0	08-Jun-15	1.42	2.36	9.23	1.36	7.22	6	34.3	26.41	0.04	0.05	0.05	No	27.74	0.39	0.93	0.09	No	575.50	0.21	1.97	0.02	No	15.16	0.26	0.36	0.09	No
201	BH312	0	09-Jun-15	9.37	6.58	707	4.66	8.24	6	78.1	14.34	0.07	0.65	0.65	No	32.70	0.33	2.19	0.20	No	137.95	0.85	630.33	5.12	Yes	9.66	0.41	1.93	0.48	No
202	BH313	0	09-Jun-15	5.76	4.38	1230	2.31	7.61	6	58.6	25.80	0.04	0.22	0.22	No	30.26	0.36	1.58	0.14	No	260.55	0.47	580.69	4.72	Yes	15.33	0.26	0.60	0.15	No
203	BH314	0	09-Jun-15	9.7	3.5	810	2.72	8.02	6	50.2	19.00	0.05	0.51	0.51	No	32.59	0.33	1.17	0.11	No	123.00	1.00	810.00	6.59	Yes	10.35	0.39	1.05	0.26	No
204	BH509CP	0	09-Jun-15	6.26	27.4	192	2.22	7.68	6	107	25.22	0.04	0.25	0.25	No	30.84	0.35	9.68	0.89	No	407.92	0.30	57.89	0.47	No	15.46	0.26	0.57	0.14	No
205	BH512CP	0	09-Jun-15	0.85	2.32	3230	20.6	8.06	6	94.7	18.13	0.06	0.05	0.05	No	32.74	0.33	0.77	0.07	No	195.48	0.63	2032.43	16.52	Yes	11.27	0.36	7.36	1.84	Yes
206	BH512R	0	09-Jun-15	0.85	2.08	0.184	0.946	7.95	6	69.5	20.41	0.05	0.04	0.04	No	32.36	0.34	0.70	0.06	No	130.57	0.94	0.17	0.00	No	12.84	0.31	0.29	0.07	No
207	BH516A	0	09-Jun-15	9.06	15.1	2.4	2.13	7.35	6	78	27.61	0.04	0.33	0.33	No	28.76	0.38	5.72	0.52	No	772.72	0.16	0.38	0.00	No	19.38	0.21	0.44	0.11	No

Note: Yellow within input data column denotes average value used in absence of sample specific value. Reference should be made to the report text for further information.

INPUT DATA											RESULTS (Copper)					RESULTS (Zinc)					RESULTS (Mn)					RESULTS (Ni)				
ID	Location	Lab specimen reference	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	Exceedance?	Site-specific PNEC Dissolved Zinc (µg l^{-1})	BioF	Bioavailable Zinc Concentration (µg l^{-1})	Risk Characterisation Ratio	Exceedance?	Site-specific PNEC Dissolved Manganese (µg l^{-1})	BioF	Bioavailable Manganese Concentration (µg l^{-1})	Risk Characterisation Ratio	Exceedance?	Site-specific PNEC Dissolved Nickel (µg l^{-1})	BioF	Bioavailable Nickel Concentration (µg l^{-1})	Risk Characterisation Ratio	Exceedance?
208	BH518R	0	09-Jun-15	3.1	2.23	157	1.69	7.76	6	66.3	23.85	0.04	0.13	0.13	No	31.20	0.35	0.78	0.07	No	192.09	0.64	100.53	0.82	No	14.64	0.27	0.46	0.12	No
209	BH536R	0	09-Jun-15	3.24	2.15	0.791	1.15	7.49	6	58.5	26.82	0.04	0.12	0.12	No	29.53	0.37	0.79	0.07	No	332.49	0.37	0.29	0.00	No	16.43	0.24	0.28	0.07	No
210	BH309CP	0	10-Jun-15	1.04	16.2	0.72	0.998	7.86	6	61.6	22.12	0.05	0.05	0.05	No	31.79	0.34	5.55	0.51	No	156.77	0.78	0.56	0.00	No	13.19	0.30	0.30	0.08	No
211	BH309R	0	10-Jun-15	8.66	30.8	12.4	3.91	7.43	6	34.2	26.72	0.04	0.32	0.32	No	29.02	0.36	11.57	1.06	Yes	375.60	0.33	4.06	0.03	No	13.77	0.29	1.14	0.28	No
212	BH523RS	0	10-Jun-15	0.85	1.6	0.39	0.3	8.02	6	9.19	19.24	0.05	0.04	0.04	No	32.17	0.34	0.54	0.05	No	123.00	1.00	0.39	0.00	No	11.18	0.36	0.11	0.03	No
213	BH524CP	0	10-Jun-15	1.54	27.8	156	1.95	7.74	6	65.5	24.16	0.04	0.06	0.06	No	31.08	0.35	9.75	0.89	No	200.06	0.61	95.91	0.78	No	14.78	0.27	0.53	0.13	No
214	BH524R	0	10-Jun-15	0.85	0.923	28.8	1.24	7.97	6	58.9	20.00	0.05	0.04	0.04	No	32.44	0.34	0.31	0.03	No	125.37	0.98	28.26	0.23	No	11.77	0.34	0.42	0.11	No
215	BH525CP	0	10-Jun-15	3.51	51.4	2.2	0.93	7.71	6	25.8	24.35	0.04	0.14	0.14	No	30.65	0.36	18.28	1.68	Yes	212.64	0.58	1.27	0.01	No	11.41	0.35	0.33	0.08	No
216	BH525R	0	10-Jun-15	1.48	3.94	1260	1.14	8.01	6	75	19.18	0.05	0.08	0.08	No	32.69	0.33	1.31	0.12	No	215.34	0.57	719.69	5.85	Yes	12.38	0.32	0.37	0.09	No
217	RGMBH13	0	10-Jun-15	19.5	20.2	17.6	8.79	7.34	6	27.5	26.66	0.04	0.73	0.73	No	28.41	0.38	7.75	0.71	No	450.98	0.27	4.80	0.04	No	13.81	0.29	2.55	0.64	No
218	RGMBH4	0	10-Jun-15	1.24	1.63	2460	1.46	8.06	6	57.1	18.16	0.06	0.07	0.07	No	32.62	0.33	0.54	0.05	No	123.00	1.00	2460.00	20.00	Yes	10.62	0.38	0.55	0.14	No
219	RGMBH4A	0	10-Jun-15	8.09	0.763	117	1.29	7.15	6	41.3	26.10	0.04	0.31	0.31	No	27.37	0.40	0.30	0.03	No	663.47	0.19	21.69	0.18	No	16.60	0.24	0.31	0.08	No
220	RGMBH5	0	10-Jun-15	34.5	8.04	3410	5.78	8.15	6	122	16.20	0.06	2.13	2.13	Yes	32.81	0.33	2.67	0.25	No	164.22	0.75	2554.08	20.76	Yes	10.13	0.39	2.28	0.57	No
221	RGMBH7	0	10-Jun-15	10.8	8.17	1120	2.58	8.12	6	101	16.84	0.06	0.64	0.64	No	32.76	0.33	2.72	0.25	No	174.04	0.71	791.55	6.44	Yes	10.49	0.38	0.98	0.25	No
222	BH310CP	0	11-Jun-15	2.53	1.23	23.6	1.29	7.26	6	63.5	27.25	0.04	0.09	0.09	No	28.16	0.39	0.48	0.04	No	530.58	0.23	5.47	0.04	No	19.16	0.21	0.27	0.07	No
223	BH310R1	0	11-Jun-15	1.93	1.25	6.29	1.35	7.49	6	55.4	26.78	0.04	0.07	0.07	No	29.52	0.37	0.46	0.04	No	332.49	0.37	2.33	0.02	No	16.02	0.25	0.34	0.08	No
224	BH310R2	0	11-Jun-15	4.56	2.92	353	2.01	7.77	6	72.6	23.72	0.04	0.19	0.19	No	31.29	0.35	1.02	0.09	No	342.70	0.36	126.70	1.03	Yes	14.94	0.27	0.54	0.13	No
225	BH526CP	0	11-Jun-15	0.85	1.27	183	2.08	8.26	6	55.8	14.05	0.07	0.06	0.06	No	32.61	0.33	0.42	0.04	No	123.00	1.00	183.00	1.49	Yes	8.24	0.49	1.01	0.25	No
226	BH526RS	0	11-Jun-15	1.72	10.8	187	1.61	8.09	6	77.5	17.49	0.06	0.10	0.10	No	32.69	0.33	3.60	0.33	No	184.45	0.67	124.70	1.01	Yes	11.46	0.35	0.56	0.14	No
227	BH535CP	0	11-Jun-15	2.27	24.9	55.2	2.6	7.18	6	17.6	25.66	0.04	0.09	0.09	No	27.31	0.40	9.94	0.91	No	624.23	0.20	10.88	0.09	No	14.38	0.28	0.72	0.18	No
228	BH535R	0	11-Jun-15	1.59	28.8	570	5.48	8.09	6	60	17.52	0.06	0.09	0.09	No	32.63	0.33	9.62	0.88	No	123.00	1.00	570.00	4.63	Yes	10.57	0.38	2.07	0.52	No
229	BH1010	0	12-Jun-15	81.8	0.88	0.15	26.5	12.4	6	270	10.02	0.10	8.16	8.16	Yes	32.87	0.33	0.29	0.03	No	123.00	1.00	0.15	0.00	No	4.00	1.00	26.50	6.63	Yes
230	BH858	0	12-Jun-15	6.73	3.05	1680	2.63	7.85	6	112	22.42	0.04	0.30	0.30	No	31.88	0.34	1.04	0.10	No	293.53	0.42	703.99	5.72	Yes	13.60	0.29	0.77	0.19	No
231	BH313	0	14-Sep-15	2.15	19.2	3230	4.34	7.4	6	60.3	27.24	0.04	0.08	0.08	No	29.00	0.38	7.22	0.66	No	399.21	0.31	995.18	8.09	Yes	17.48	0.23	0.99	0.25	No
232	BH509CP	0	14-Sep-15	3.48	11.6	322	2.21	7.58	6	90.7	26.43	0.04	0.13	0.13	No	30.20	0.36	4.19	0.38	No	495.05	0.25	80.00	0.65	No	16.53	0.24	0.53	0.13	No
233	BH512CP	0	14-Sep-15	1.28	7.72	3450	7.48	7.21	6	102	27.61	0.04	0.05	0.05	No	27.99	0.39	3.01	0.28	No	1013.28	0.12	418.79	3.40	Yes	20.38	0.20	1.47	0.37	No
234	BH512R	0	14-Sep-15	0.85	7.74	25	1.01	7.94	6	62.5	20.60	0.05	0.04	0.04	No	32.28	0.34	2.61	0.24	No	133.25	0.92	23.08	0.19	No	12.43	0.32	0.33	0.08	No
235	BH518R	0	14-Sep-15	0.85	8.3	71	1.29	8.05	6	60.4	18.36	0.05	0.05	0.05	No	32.63	0.33	2.77	0.25	No	123.00	1.00	71.00	0.58	No	11.05	0.36	0.47	0.12	No
236	BH310CP	0	15-Sep-15	14.8	2.89	155	1.43	7.03	6	71.1	25.63	0.04	0.58	0.58	No	26.80	0.41	1.18	0.11	No	1435.70	0.09	13.28	0.11	No	22.12	0.18	0.26	0.06	No
237	BH310R1	0	15-Sep-15	9.55	0.982	0.637	1.04	6.91	6	61	23.63	0.04	0.40	0.40	No	26.03	0.42	0.41	0.04	No	1080.47	0.11	0.07	0.00	No	21.88	0.18	0.19	0.05	No
238	BH310R2	0	15-Sep-15	0.913	1.32	252	1.39	7.18	6	83.6	27.28	0.04	0.03	0.03	No	27.76	0.39	0.52	0.05	No	1073.87	0.11	28.86	0.23	No	21.00	0.19	0.26	0.07	No
239	BH312	0	15-Sep-15	10.9	18.8	547	7.42	7.92	6	82.5	21.03	0.05	0.52	0.52	No	32.23	0.34	6.36	0.58	No	256.33	0.48	262.48	2.13	Yes	13.27	0.30	2.24	0.56	No
240	BH314	0	15-Sep-15	10.4	14.7	1130	4.46	7.11	6	48.9	25.94	0.04	0.40	0.40	No	27.18	0.40	5.90	0.54	No	719.65	0.17	193.14	1.57	Yes	18.16	0.22	0.98	0.25	No
241	BH526CP	0	15-Sep-15	0.85	1.89	217	1.74	7.7	6	65	24.74	0.04	0.03	0.03	No	30.83	0.35	0.67	0.06	No	217.00	0.57	123.00	1.00	No	15.14	0.26	0.46	0.11	No
242	BH526RS	0	15-Sep-15	0.85	0.551	182	1.36	7.62	6	73.7	25.83	0.04	0.03	0.03	No	30.38	0.36	0.20	0.02	No	458.17	0.27	48.86	0.40	No	16.54	0.24	0.33	0.08	No
243	RGMBH13	0	15-Sep-15	13	5.35	37.3	10.4	6.94	6	40.2	23.49	0.04	0.55	0.55	No	26.08	0.42	2.24	0.21	No	1016.58	0.12	4.51	0.04	No	17.84	0.22	2.33	0.58	No
244	RGMBH1D	0	15-Sep-15	1.14	0.41	58	1.98	7.5	6	87	27.11	0.04	0.04	0.04	No	29.70	0.37	0.15	0.01	No	577.98	0.21	12.34	0.10	No	17.48	0.23	0.45	0.11	No
245	RGMBH1S	0	15-Sep-15	0.85	0.668	622	2.12	7.47	6	93.2	27.38	0.04	0.03	0.03	No	29.54	0.37	0.25	0.02	No	612.54	0.20	124.90	1.02	Yes	17.69	0.23	0.48	0.12	No
246	RGMBH2	0	15-Sep-15	14.2	3.33	9400	3.06	6.86	6	95.7	23.59	0.04	0.60	0.60	No	25.86	0.42	1.40	0.13	No	1995.23	0.06	579.48	4.71	Yes	24.00	0.17	0.51	0.13	No
247	RGMBH6	0	15-Sep-15	10.2	1.78	3.23	1.68	6.82	6	34	21.16	0.05	0.48	0.48	No	25.30	0.43	0.77	0.07	No	1297.29	0.09	0.31	0.00	No	17.50	0.23	0.38	0.10	No
248	RGMBH7	0	15-Sep-15	1.4	0.598	926	0.97	7.65	6	58	25.34	0.04	0.06	0.06	No	30.50	0.36	0.21	0.02	No	240.21	0.51	474.15	3.85	Yes	14.88	0.27	0.26	0.07	No
249	BH309CP	0	16-Sep-15	3.43	2.35	5.16	0.553	6.98	6	45.5	24.26	0.04	0.14	0.14	No	26.37	0.41	0.97	0.09	No	937.22	0.13	0.68	0.01	No	18.52	0.22	0.12	0.03	No
250	BH309R	0	16-Sep-15	44	9.16	44.5	1.41	7	6	33.4	24.16	0.04	1.82	1.82	Yes	26.39	0.41	3.78	0.35	No	899.90	0.14	6.08	0.05	No	16.37	0.24	0.34	0.09	No
251	BH516A	0	16-Sep-15	26.3	20.8	105	3.3	7.99	6	76.9	19.56	0.05	1.34	1.34	Yes	32.63	0.33	6.95	0.64	No	223.84	0.55	57.70	0.47	No	12.62	0.32	1.05	0.26	No
252	BH523RS	0	16-Sep-15	0.85	0.41	0.239	0.15	7.56	6	7.79	25.66	0.04	0.03	0.03	No	29.42	0.37	0.15	0.01	No	288.41	0.43	0.10	0.00	No	13.90	0.29	0.04	0.01	No
253	BH524CP	0	16-Sep-15	0.85	6.33	218	1.26	7.91	6	75.9	21.21	0.05	0.04	0.04	No	32.14	0.34	2.15	0.20	No	261.34	0.47	102.60	0.83	No	13.51	0.30	0.37	0.09	No
254	BH524R	0	16-Sep-15	0.85	0.41	17.6	0.328	8.23	6	60.5	14.62	0.07	0.06	0.06	No	32.63	0.33	0.14	0.01	No	123.00	1.00	17.60	0.14	No	9.00	0.44	0.15	0.04	No
255	BH525CP	0	16-Sep-15	34.6	1.57	25.2	1.07	7.83	6	26.7	22.58	0.04	1.53	1.53	Yes	31.39	0.35	0.55	0.05	No	166.63	0.74	18.60	0.15	No	10.54	0.38	0.41	0.10	No
256	BH525R	0	16-Sep-15	1.7	1.21	1880	0.48	8.09	6	74.2	17.49	0.06	0.10	0.10	No	32.68	0.33	0.40	0.04	No	184.45	0.67	1253.70	10.19	Yes	11.44	0.35	0.17	0.04	No
257	BH535CP	0	16-Sep-15	0.913	3.09	1.29	1.17	7.44	6	19.5	26.42	0.04	0.03	0.03	No	28.93	0.38	1.16	0.11	No	368.05	0.33	0.43	0.00	No	13.13	0.30	0.36	0.09	No
258	BH535R	0	16-Sep-15	0.85	0.41	446	1.18	8.48	6	56.8	10.44	0.10	0.08	0.08	No	32.62	0.33	0.14	0.01	No	123.00	1.00	446.00	3.63	Yes	5.61	0.71	0.84	0.21	No
259	BH536R	0	16-Sep-15	0.995	37.5	1.15	0.752	8.12	6	67	16.87	0.06	0.06	0.06	No	32.66	0.33	12.52	1.15	Yes	123.00	1.00	1.15	0.01	No	10.78	0.37	0.28	0.07	No
260	RGMBH4	0	16-Sep-15	0.85	2.45	2670	1	7.58	6	59.8	26.12	0.04	0.03	0.03	No	30.08	0.36	0.89	0.08	No	276.92	0.44	1185.92	9.64	Yes	15.76	0.25	0.25	0.06	No
261	RGMBH4A	0	16-Sep-15	9.67	7.96	496	2.03	7.12	6	46.7	25.97	0.04	0.37	0.37	No	27.22	0.40	3.19	0.29	No	705.17	0.17	86.51	0.70	No	17.71	0.23	0.46	0.11	No
262	RGMBH5	0	16-Sep-15	28.2	9.71	5850	4.17	7.06	6	126	26.46	0.04	1.07	1.07	Yes	27.15	0.40	3.90	0.36	No	1354.70	0.09	531.15	4.32	Yes	21.93	0.18	0.76	0.19	No
263	BH858	0	17-Sep-15	2.58	11.7	1.52	1.36	7.29	6	46.1	26.98	0.04	0.10	0.10	No	28.25	0.39	4.51	0.41	No	499.20	0.25	0.37	0.00	No	16.32	0.25	0.33	0.08	No
264	BH1010	0	18-Sep-15	0.85	34.6	77.8	21.6	12.5	6	381	10.02	0.10	0.08	0.08	No	32.87	0.33	11.47	1.05	Yes	123.00	1.00	77.80	0.63	No	4.00	1.00	21.60	5.40	Yes
265	BH312	0	14-Dec-15	6.98	2.23	27.1	1.9	8.09	6	79.4	17.48	0.06	0.40	0.40	No	32.70	0.33	0.74	0.07	No	184.45	0.67	18.07	0.15	No	11.44	0.35	0.66	0.17	No
266	BH313	0	14-Dec-15	8.89	5.34	193	1.12	8.07	6	40.5	18.02	0.06	0.49	0.49	No	32.53	0.34	1.79	0.16	No	123.00	1.00	193.00	1.57	Yes	8.98	0.45	0.50	0.12	No
267	BH314	0	14-Dec-15	9.51	2.9	45.9	1.5	7.89	6	43	21.55	0.05	0.44	0.44	No	31.88	0.34	0.99	0.09	No	147.50	0.83	38.28	0.31	No	10.91	0.37	0.55	0.14	No
268	BH516A	0	14-Dec-15	12.6	4.78	0.422	1.74	8.22	6	79.6	14.74	0.07	0.85	0.85	No	32.70	0.33	1.59	0.15	No	143.41	0.86	0.36	0.00	No	9.87	0.41	0.70	0.18	No
269	BH858	0	14-Dec-15	1.87	2.05	61.3	0.917	8.21	6	42.5	15.15	0.07	0.12	0.12	No	32.55	0.33	0.69	0.06	No	123.00	1.00	61.30	0.50	No	7.67	0.52	0.48	0.12	No
270	BH523RS	0	15-Dec-15	0.891	17.6	0.761	0.583	7.2	6	9.09	25.56	0.04	0.03	0.03	No	27.24	0.40	7.04	0.65	No	464.42	0.26	0.20	0.00	No	14.93	0.27	0.16	0.04	No
271	BH524CP	0	15-Dec-15	2.94	21.2	79.7	1.65	7.67	6	1.77	24.66	0.04	0.12	0.12	No	29.84	0.37	7.74	0.71	No	123.00	1.00	79.70	0.65	No	14.98	0.27	0.44	0.11	No
272	BH524R	0	15-Dec-15	0.85	11.9	243	1.3	8.41	6	55.8	11.41	0.09	0.07	0.07	No	32.61	0.33	3.98	0.36	No	123.00	1.00	243.00	1.98	Yes	6.42	0.62	0.81	0.20	No
273	BH525CP	0	15-Dec-15	12.3	20.1	3.55	0.856	7.14	6	24.2	25.52	0.04	0.48	0.48	No	27.15	0.40	8.07	0.74	No	677.09	0.18	0.64	0.01	No	14.70	0.27	0.23	0.06	No
274	BH525R	0	15-Dec-15	2.92	27.4	1430	1.02	7.79	6	80.2	23.43	0.04	0.12	0.12	No	31.43	0.35	9.50	0.87	No	329.58	0.37	533.51	4.34	Yes	14.80	0.27	0.28	0.07	No
275	RGMBH13	0	15-Dec-15	21.4	4.1	16.1	17.2	7.64	6	35.4	25.26	0.04	0.85	0.85	No	30.31	0.36	1.47	0.14	No	245.14	0.50	8.08	0.07	No	12.35	0.32	5.57	1.39	Yes
276	RGMBH2	0	15-Dec-15	14.8	14.5	9.2	1.29	7.78	6	77.2	23.58	0.04	0.63	0.63	No	31.36	0.35	5.04	0.46	No	336.13	0.37	3.37	0.03	No	14.94	0.27	0.35	0.09	No

Note: Yellow within input data column denotes average value used in absence of sample specific value. Reference should be made to the report text for further information.

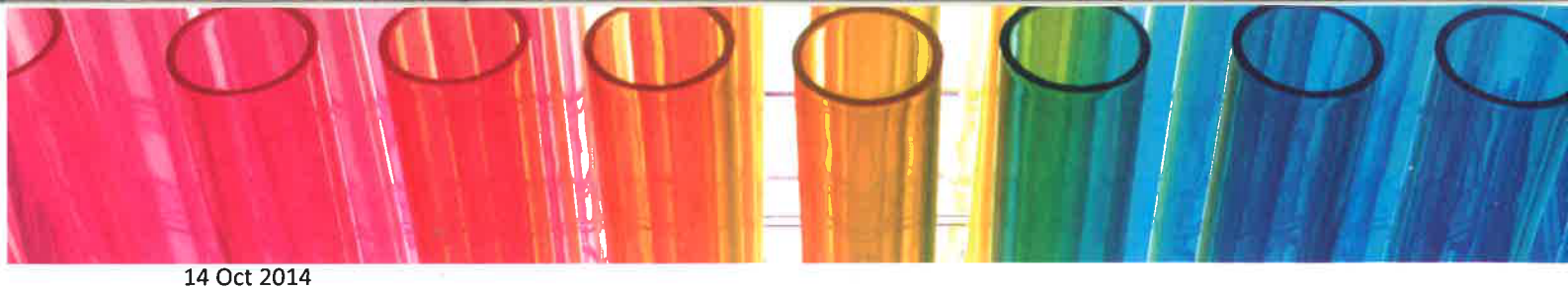
INPUT DATA											RESULTS (Copper)					RESULTS (Zinc)					RESULTS (Mn)					RESULTS (Ni)				
ID	Location	Lab specimen reference	Date	Measured Cu Concentration (dissolved) (µg l^{-1})	Measured Zn Concentration (dissolved) (µg l^{-1})	Measured Mn Concentration (dissolved) (µg l^{-1})	Measured Ni Concentration (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	Exceedance?	Site-specific PNEC Dissolved Zinc (µg l^{-1})	BioF	Bioavailable Zinc Concentration (µg l^{-1})	Risk Characterisation Ratio	Exceedance?	Site-specific PNEC Dissolved Manganese (µg l^{-1})	BioF	Bioavailable Manganese Concentration (µg l^{-1})	Risk Characterisation Ratio	Exceedance?	Site-specific PNEC Dissolved Nickel (µg l^{-1})	BioF	Bioavailable Nickel Concentration (µg l^{-1})	Risk Characterisation Ratio	Exceedance?
277	RGMBH4	0	15-Dec-15	4.33	1.89	69	0.681	7.29	6	23.4	26.45	0.04	0.16	0.16	No	28.06	0.39	0.73	0.07	No	499.20	0.25	17.00	0.14	No	13.91	0.29	0.20	0.05	No
278	RGMBH4A	0	15-Dec-15	3.09	3.85	2490	1.08	8.03	6	50.8	18.80	0.05	0.16	0.16	No	32.59	0.33	1.29	0.12	No	123.00	1.00	2490.00	20.24	Yes	10.31	0.39	0.42	0.10	No
279	RGMBH5	0	15-Dec-15	30.8	4.38	275	4	8.21	6	89.3	14.94	0.07	2.06	2.06	Yes	32.73	0.33	1.46	0.13	No	146.21	0.84	231.34	1.88	Yes	9.40	0.43	1.70	0.43	No
280	RGMBH6	0	15-Dec-15	2.11	1.84	1.24	1.07	7.6	6	33.7	25.65	0.04	0.08	0.08	No	30.05	0.36	0.67	0.06	No	265.90	0.46	0.57	0.00	No	12.52	0.32	0.34	0.09	No
281	RGMBH7	0	15-Dec-15	1.52	4.76	846	0.689	8.3	6	58.6	13.27	0.08	0.11	0.11	No	32.63	0.33	1.59	0.15	No	123.00	1.00	846.00	6.88	Yes	8.01	0.50	0.34	0.09	No
282	BH509CP	0	16-Dec-15	6.4	2.72	16.1	2.37	8.04	6	131	18.56	0.05	0.34	0.34	No	32.82	0.33	0.90	0.08	No	203.19	0.61	9.75	0.08	No	11.43	0.35	0.83	0.21	No
283	BH518R	0	16-Dec-15	1.68	0.725	46.6	0.942	8.2	6	64	15.21	0.07	0.11	0.11	No	32.65	0.33	0.24	0.02	No	123.00	1.00	46.60	0.38	No	9.64	0.42	0.39	0.10	No
284	BH535CP	0	16-Dec-15	1.13	1.79	0.583	1.26	7.55	6	19.1	25.89	0.04	0.04	0.04	No	29.60	0.37	0.66	0.06	No	294.33	0.42	0.24	0.00	No	12.56	0.32	0.40	0.10	No
285	BH535R	0	16-Dec-15	0.85	2.16	437	1.98	8.32	6	55.6	12.92	0.08	0.07	0.07	No	32.61	0.33	0.72	0.07	No	123.00	1.00	437.00	3.55	Yes	7.51	0.53	1.05	0.26	No
286	RGMBH1D	0	16-Dec-15	0.85	0.556	937	1.25	8.22	6	80.9	14.74	0.07	0.06	0.06	No	32.71	0.33	0.19	0.02	No	143.41	0.86	803.66	6.53	Yes	9.83	0.41	0.51	0.13	No
287	RGMBH1S	0	16-Dec-15	0.85	1.28	433	1.69	8.09	6	93.7	17.49	0.06	0.05	0.05	No	32.74	0.33	0.43	0.04	No	184.45	0.67	288.75	2.35	Yes	10.84	0.37	0.62	0.16	No
288	BH309CP	0	17-Dec-15	2.6	1.65	0.737	0.588	7.89	6	29.5	21.55	0.05	0.12	0.12	No	31.79	0.34	0.57	0.05	No	147.50	0.83	0.61	0.00	No	10.09	0.40	0.23	0.06	No
289	BH309R	0	17-Dec-15	1.48	0.506	0.096	0.519	7.94	6	28.6	20.64	0.05	0.07	0.07	No	32.08	0.34	0.17	0.02	No	133.25	0.92	0.09	0.00	No	9.68	0.41	0.21	0.05	No
290	BH512CP	0	17-Dec-15	1.33	1.83	1750	4.91	8.42	6	81	11.10	0.09	0.12	0.12	No	32.71	0.33	0.61	0.06	No	123.00	1.00	1750.00	14.23	Yes	7.29	0.55	2.69	0.67	No
291	BH512R	0	17-Dec-15	0.85	0.547	14.8	0.874	8.35	6	62.7	12.33	0.08	0.07	0.07	No	32.64	0.33	0.18	0.02	No	123.00	1.00	14.80	0.12	No	7.72	0.52	0.45	0.11	No
292	BH310CP	0	18-Dec-15	12	2.71	3.62	1.14	8.38	6	70.5	11.76	0.08	1.02	1.02	Yes	32.67	0.33	0.90	0.08	No	123.00	1.00	3.62	0.03	No	7.79	0.51	0.59	0.15	No
293	BH310R1	0	18-Dec-15	7.02	1.34	11.5	1.05	8.41	6	58.9	11.38	0.09	0.62	0.62	No	32.63	0.33	0.45	0.04	No	123.00	1.00	11.50	0.09	No	6.67	0.60	0.63	0.16	No
294	BH310R2	0	18-Dec-15	16.5	0.963	0.654	0.737	8.36	6	58.7	12.19	0.08	1.35	1.35	Yes	32.63	0.33	0.32	0.03	No	123.00	1.00	0.65	0.01	No	7.28	0.55	0.40	0.10	No
295	BH526CP	0	18-Dec-15	1.02	4.35	235	1.96	8.44	6	58.7	10.95	0.09	0.09	0.09	No	32.63	0.33	1.45	0.13	No	123.00	1.00	235.00	1.91	Yes	6.28	0.64	1.25	0.31	No
296	BH526RS	0	18-Dec-15	0.85	0.553	194	1.01	8.44	6	73.5	10.84	0.09	0.08	0.08	No	32.68	0.33	0.18	0.02	No	123.00	1.00	194.00	1.58	Yes	7.10	0.56	0.57	0.14	No
297	BH536R	0	18-Dec-15	1.7	2.9	0.627	2.16	8.21	6	70.1	14.98	0.07	0.11	0.11	No	32.67	0.33	0.97	0.09	No	146.21	0.84	0.53	0.00	No	9.89	0.40	0.87	0.22	No
298	BH854RA	0	18-Jan-16	1.1	0.41		0.746	7.56	6	50.4	26.20	0.04	0.04	0.04	No	29.92	0.36	0.15	0.01	No	288.41	0.43			-	14.73	0.27	0.20	0.05	No
299	SMBH14	0	18-Jan-16	0.85	1.19		0.431	7.23	6	23.1	26.17	0.04	0.03	0.03	No	27.69	0.39	0.47	0.04	No	563.93	0.22			-	14.20	0.28	0.12	0.03	No
300	BH860	0	18-Jan-15	3.11	0.453		0.9	7.08	6	60.3	25.93	0.04	0.12	0.12	No	27.06	0.40	0.18	0.02	No	764.88	0.16			-	20.31	0.20	0.18	0.04	No
301	BH858	0	18-Jan-16	0.85	2.52		0.726	7.25	6	41	26.73	0.04	0.03	0.03	No	27.98	0.39	0.98	0.09	No	541.47	0.23			-	15.85	0.25	0.18	0.05	No
302	BH857	0	18-Jan-16	1.73	0.564		0.761	8.78	6	31.6	10.60	0.09	0.16	0.16	No	32.47	0.34	0.19	0.02	No	123.00	1.00			-	4.00	1.00	0.76	0.19	No
303	BH713R	0	18-Jan-16	39	12.2		2.95	7.06	6	40.8	25.17	0.04	1.55	1.55	Yes	26.82	0.41	4.96	0.45	No	796.61	0.15			-	17.14	0.23	0.69	0.17	No

Note: Yellow within input data column denotes average value used in absence of sample specific value. Reference should be made to the report text for further information.

INPUT DATA						RESULTS (Pb)				
ID	Location	Lab specimen reference	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	Exceed?
1	BH14	11/01258/1	IOnGI	1.00	6	7.20	0.17	0.17	0.14	No
2	BH14	11/01890/1	IOnGI	1.00	6	7.20	0.17	0.17	0.14	No
3	BH14	14/07071/4	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
4	BH15	11/01911/1	IOnGI	1.00	6	7.20	0.17	0.17	0.14	No
5	BH16	14/03816/2	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
6	BH17	14/03827/2	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
7	BH20	14/03882/5	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
8	BH21	14/03827/1	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
9	BH24	14/03827/3	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
10	BH309	14/03698/5	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
11	BH309	14/03698/6	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
12	BH309R	14/03698/6	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
13	BH310	14/03716/2	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
14	BH310R	14/03747/3	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
15	BH310R	14/03882/6	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
16	BH312	14/03890/4	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
17	BH312	14/05074/4	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
18	BH312	14/06797/2	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
19	BH313	14/03890/6	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
20	BH313	14/05074/6	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
21	BH313	14/06797/3	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
22	BH314	14/03882/4	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
23	BH314	14/05038/2	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
24	BH314	14/06797/1	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
25	BH509	14/03698/2	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
26	BH512	14/03669/1	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
27	BH512R	14/03669/2	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
28	BH516	14/03716/3	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
29	BH516R	14/03716/4	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
30	BH518R	14/03698/4	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
31	BH520	14/03747/1	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
32	BH524	14/03669/3	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
33	BH524R	14/03669/4	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
34	BH525	14/03669/5	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
35	BH525	14/03669/6	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
36	BH525R	14/03669/6	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
37	BH526	14/03716/1	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
38	BH526R	14/03882/2	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
39	BH526R	14/03882/3	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
40	BH529	14/03747/2	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
41	BH535	14/03698/1	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
42	BH535R	14/03698/3	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
43	BH536R	14/03816/1	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
44	BH704R	14/03452/1	DOnGI	5.00	6	7.20	0.17	0.83	0.69	No
45	BH705	14/03706/1	DOnGI	43.00	6	7.20	0.17	7.17	5.97	Yes
46	BH707R	14/03452/3	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
47	BH718	14/02966/5	DOnGI	4.00	6	7.20	0.17	0.67	0.56	No
48	BH719A	14/05074/8	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
49	BH724R	14/02966/2	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
50	BH725R	14/03706/2	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
51	BH726	14/03706/3	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
52	BH728R	14/02966/4	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
53	BH734	14/02966/1	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
54	BH741R-1-D	14/04067/8	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
55	BH748R	14/03452/4	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
56	BH759	14/02966/3	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
57	BH762	14/03452/2	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
58	BH786R	14/03655/1	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
59	BH793R	14/04020/1	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
60	BH794R	14/04067/4	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
61	BH796R	14/04007/2	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
62	BH811	14/04067/2	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
63	BH817R	14/04067/3	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
64	BH833R	14/04067/7	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
65	BH844R	14/04067/6	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
66	BH856	14/07071/5	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
67	BH857R	15/00206/1	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
68	BH858	15/00171/1	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
69	BH894R	14/04007/1	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
70	BH913R	14/04067/5	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
71	BH943	14/04067/1	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
72	BHRN1A	14/03816/3	DOnGI	1.00	6	7.20	0.17	0.17	0.14	No
73	RN1A	11/01911/2	IOnGI	1.00	6	7.20	0.17	0.17	0.14	No
74	RGMBH2	0	02-Mar-15	0.30	6	7.20	0.17	0.05	0.04	No
75	RGMBH6	0	02-Mar-15	8.76	6	7.20	0.17	1.46	1.22	Yes
76	BH309R	0	03-Mar-15	2.12	6	7.20	0.17	0.35	0.29	No
77	BH310CP	0	03-Mar-15	0.14	6	7.20	0.17	0.02	0.02	No
78	BH523RD	0	03-Mar-15	0.12	6	7.20	0.17	0.02	0.02	No
79	BH524CP	0	03-Mar-15	36.10	6	7.20	0.17	6.02	5.01	Yes
80	BH524R	0	03-Mar-15	4.10	6	7.20	0.17	0.68	0.57	No
81	BH525CP	0	03-Mar-15	10.80	6	7.20	0.17	1.80	1.50	Yes
82	BH525R	0	03-Mar-15	7.34	6	7.20	0.17	1.22	1.02	Yes
83	RGMBH13	0	03-Mar-15	0.74	6	7.20	0.17	0.12	0.10	No
84	RGMBH1D	0	03-Mar-15	2.08	6	7.20	0.17	0.35	0.29	No
85	RGMBH1S	0	03-Mar-15	3.38	6	7.20	0.17	0.56	0.47	No
86	RGMBH4	0	03-Mar-15	0.71	6	7.20	0.17	0.12	0.10	No
87	RGMBH4A	0	03-Mar-15	0.44	6	7.20	0.17	0.07	0.06	No
88	RGMBH5	0	03-Mar-15	7.81	6	7.20	0.17	1.30	1.08	Yes
89	BH309CP	0	04-Mar-15	0.78	6	7.20	0.17	0.13	0.11	No
90	BH310R1	0	04-Mar-15	0.17	6	7.20	0.17	0.03	0.02	No
91	BH310R2	0	04-Mar-15	0.42	6	7.20	0.17	0.07	0.06	No
92	BH526CP	0	04-Mar-15	44.10	6	7.20	0.17	7.35	6.13	Yes
93	BH526RS	0	04-Mar-15	0.22	6	7.20	0.17	0.04	0.03	No
94	BH535CP	0	04-Mar-15	0.60	6	7.20	0.17	0.10	0.08	No
95	BH535R	0	04-Mar-15	0.16	6	7.20	0.17	0.03	0.02	No
96	BH312	0	05-Mar-15	0.04	6	7.20	0.17	0.01	0.01	No
97	BH313	0	05-Mar-15	14.50	6	7.20	0.17	2.42	2.01	Yes
98	BH314	0	05-Mar-15	88.90	6	7.20	0.17	14.82	12.35	Yes
99	BH314 Filtere	0	05-Mar-15	0.53	6	7.20	0.17	0.09	0.07	No
100	BH509CP	0	05-Mar-15	0.04	6	7.20	0.17	0.01	0.01	No
101	BH509CP Filt	0	05-Mar-15	0.16	6	7.20	0.17	0.03	0.02	No
102	BH512CP	0	05-Mar-15	25.00	6	7.20	0.17	4.17	3.47	Yes
103	BH512R	0	05-Mar-15	1.34	6	7.20	0.17	0.22	0.19	No
104	BH516A	0	05-Mar-15	30.20	6	7.20	0.17	5.03	4.19	Yes
105	BH516A Filter	0	05-Mar-15	0.09	6	7.20	0.17	0.02	0.01	No
106	BH518R	0	05-Mar-15	1.35	6	7.20	0.17	0.23	0.19	No
107	BH536R	0	05-Mar-15	2.72	6	7.20	0.17	0.45	0.38	No
108	RGMBH1D	0	08-Jun-15	0.19	6	7.20	0.17	0.03	0.03	No
109	RGMBH1S	0	08-Jun-15	0.04	6	7.20	0.17	0.01	0.01	No
110	RGMBH2	0	08-Jun-15	0.05	6	7.20	0.17	0.01	0.01	No
111	RGMBH6	0	08-Jun-15	0.08	6	7.20	0.17	0.01	0.01	No
112	BH312	0	09-Jun-15	0.08	6	7.20	0.17	0.01	0.01	No
113	BH313	0	09-Jun-15	0.04	6	7.20	0.17	0.01	0.01	No

Note: Yellow within input data column denotes average value used in absence of sample specific value. Reference should be made to the report text for further information.

INPUT DATA						RESULTS (Pb)				
ID	Location	Lab specimen reference	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	Exceed?
114	BH314	0	09-Jun-15	0.05	6	7.20	0.17	0.01	0.01	No
115	BH509CP	0	09-Jun-15	0.07	6	7.20	0.17	0.01	0.01	No
116	BH512CP	0	09-Jun-15	0.17	6	7.20	0.17	0.03	0.02	No
117	BH512R	0	09-Jun-15	0.02	6	7.20	0.17	0.00	0.00	No
118	BH516A	0	09-Jun-15	0.68	6	7.20	0.17	0.11	0.09	No
119	BH518R	0	09-Jun-15	0.03	6	7.20	0.17	0.00	0.00	No
120	BH536R	0	09-Jun-15	0.07	6	7.20	0.17	0.01	0.01	No
121	BH309CP	0	10-Jun-15	0.04	6	7.20	0.17	0.01	0.01	No
122	BH309R	0	10-Jun-15	0.22	6	7.20	0.17	0.04	0.03	No
123	BH523RS	0	10-Jun-15	0.03	6	7.20	0.17	0.00	0.00	No
124	BH524CP	0	10-Jun-15	0.09	6	7.20	0.17	0.01	0.01	No
125	BH524R	0	10-Jun-15	0.03	6	7.20	0.17	0.00	0.00	No
126	BH525CP	0	10-Jun-15	0.05	6	7.20	0.17	0.01	0.01	No
127	BH525R	0	10-Jun-15	0.04	6	7.20	0.17	0.01	0.01	No
128	RGMBH13	0	10-Jun-15	0.35	6	7.20	0.17	0.06	0.05	No
129	RGMBH4	0	10-Jun-15	0.02	6	7.20	0.17	0.00	0.00	No
130	RGMBH4A	0	10-Jun-15	0.02	6	7.20	0.17	0.00	0.00	No
131	RGMBH5	0	10-Jun-15	0.17	6	7.20	0.17	0.03	0.02	No
132	RGMBH7	0	10-Jun-15	5.00	6	7.20	0.17	0.83	0.69	No
133	BH310CP	0	11-Jun-15	0.04	6	7.20	0.17	0.01	0.01	No
134	BH310R1	0	11-Jun-15	0.21	6	7.20	0.17	0.04	0.03	No
135	BH310R2	0	11-Jun-15	0.40	6	7.20	0.17	0.07	0.06	No
136	BH526CP	0	11-Jun-15	0.05	6	7.20	0.17	0.01	0.01	No
137	BH526RS	0	11-Jun-15	0.17	6	7.20	0.17	0.03	0.02	No
138	BH535CP	0	11-Jun-15	0.74	6	7.20	0.17	0.12	0.10	No
139	BH535R	0	11-Jun-15	1.40	6	7.20	0.17	0.23	0.19	No
140	BH1010	0	12-Jun-15	0.39	6	7.20	0.17	0.07	0.05	No
141	BH858	0	12-Jun-15	0.53	6	7.20	0.17	0.09	0.07	No
142	BH313	0	14-Sep-15	0.08	6	7.20	0.17	0.01	0.01	No
143	BH509CP	0	14-Sep-15	0.11	6	7.20	0.17	0.02	0.02	No
144	BH512CP	0	14-Sep-15	0.09	6	7.20	0.17	0.01	0.01	No
145	BH512R	0	14-Sep-15	0.07	6	7.20	0.17	0.01	0.01	No
146	BH518R	0	14-Sep-15	0.22	6	7.20	0.17	0.04	0.03	No
147	BH310CP	0	15-Sep-15	0.12	6	7.20	0.17	0.02	0.02	No
148	BH310R1	0	15-Sep-15	0.02	6	7.20	0.17	0.00	0.00	No
149	BH310R2	0	15-Sep-15	0.03	6	7.20	0.17	0.01	0.00	No
150	BH312	0	15-Sep-15	0.20	6	7.20	0.17	0.03	0.03	No
151	BH314	0	15-Sep-15	0.09	6	7.20	0.17	0.02	0.01	No
152	BH526CP	0	15-Sep-15	0.02	6	7.20	0.17	0.00	0.00	No
153	BH526RS	0	15-Sep-15	0.03	6	7.20	0.17	0.01	0.00	No
154	RGMBH13	0	15-Sep-15	0.06	6	7.20	0.17	0.01	0.01	No
155	RGMBH1D	0	15-Sep-15	0.02	6	7.20	0.17	0.00	0.00	No
156	RGMBH1S	0	15-Sep-15	0.04	6	7.20	0.17	0.01	0.01	No
157	RGMBH2	0	15-Sep-15	0.05	6	7.20	0.17	0.01	0.01	No
158	RGMBH6	0	15-Sep-15	0.04	6	7.20	0.17	0.01	0.01	No
159	RGMBH7	0	15-Sep-15	0.13	6	7.20	0.17	0.02	0.02	No
160	BH309CP	0	16-Sep-15	0.12	6	7.20	0.17	0.02	0.02	No
161	BH309R	0	16-Sep-15	0.09	6	7.20	0.17	0.02	0.01	No
162	BH516A	0	16-Sep-15	0.20	6	7.20	0.17	0.03	0.03	No
163	BH523RS	0	16-Sep-15	0.02	6	7.20	0.17	0.00	0.00	No
164	BH524CP	0	16-Sep-15	0.09	6	7.20	0.17	0.02	0.01	No
165	BH524R	0	16-Sep-15	0.02	6	7.20	0.17	0.00	0.00	No
166	BH525CP	0	16-Sep-15	0.02	6	7.20	0.17	0.00	0.00	No
167	BH525R	0	16-Sep-15	0.02	6	7.20	0.17	0.00	0.00	No
168	BH535CP	0	16-Sep-15	0.02	6	7.20	0.17	0.00	0.00	No
169	BH535R	0	16-Sep-15	0.02	6	7.20	0.17	0.00	0.00	No
170	BH536R	0	16-Sep-15	0.13	6	7.20	0.17	0.02	0.02	No
171	RGMBH4	0	16-Sep-15	0.07	6	7.20	0.17	0.01	0.01	No
172	RGMBH4A	0	16-Sep-15	0.27	6	7.20	0.17	0.05	0.04	No
173	RGMBH5	0	16-Sep-15	0.13	6	7.20	0.17	0.02	0.02	No
174	BH858	0	17-Sep-15	0.07	6	7.20	0.17	0.01	0.01	No
175	BH1010	0	18-Sep-15	0.37	6	7.20	0.17	0.06	0.05	No
176	BH312	0	14-Dec-15	0.02	6	7.20	0.17	0.00	0.00	No
177	BH313	0	14-Dec-15	0.07	6	7.20	0.17	0.01	0.01	No
178	BH314	0	14-Dec-15	0.04	6	7.20	0.17	0.01	0.01	No
179	BH516A	0	14-Dec-15	0.03	6	7.20	0.17	0.01	0.00	No
180	BH858	0	14-Dec-15	0.08	6	7.20	0.17	0.01	0.01	No
181	BH523RS	0	15-Dec-15	0.03	6	7.20	0.17	0.01	0.00	No
182	BH524CP	0	15-Dec-15	0.22	6	7.20	0.17	0.04	0.03	No
183	BH524R	0	15-Dec-15	0.04	6	7.20	0.17	0.01	0.01	No
184	BH525CP	0	15-Dec-15	0.11	6	7.20	0.17	0.02	0.01	No
185	BH525R	0	15-Dec-15	0.05	6	7.20	0.17	0.01	0.01	No
186	RGMBH13	0	15-Dec-15	0.05	6	7.20	0.17	0.01	0.01	No
187	RGMBH2	0	15-Dec-15	0.05	6	7.20	0.17	0.01	0.01	No
188	RGMBH4	0	15-Dec-15	0.03	6	7.20	0.17	0.01	0.00	No
189	RGMBH4A	0	15-Dec-15	0.07	6	7.20	0.17	0.01	0.01	No
190	RGMBH5	0	15-Dec-15	0.09	6	7.20	0.17	0.01	0.01	No
191	RGMBH6	0	15-Dec-15	0.04	6	7.20	0.17	0.01	0.00	No
192	RGMBH7	0	15-Dec-15	0.15	6	7.20	0.17	0.02	0.02	No
193	BH509CP	0	16-Dec-15	0.03	6	7.20	0.17	0.00	0.00	No
194	BH518R	0	16-Dec-15	0.02	6	7.20	0.17	0.00	0.00	No
195	BH535CP	0	16-Dec-15	0.02	6	7.20	0.17	0.00	0.00	No
196	BH535R	0	16-Dec-15	0.02	6	7.20	0.17	0.00	0.00	No
197	RGMBH1D	0	16-Dec-15	0.03	6	7.20	0.17	0.01	0.00	No
198	RGMBH1S	0	16-Dec-15	0.06	6	7.20	0.17	0.01	0.01	No
199	BH309CP	0	17-Dec-15	0.03	6	7.20	0.17	0.00	0.00	No
200	BH309R	0	17-Dec-15	0.02	6	7.20	0.17	0.00	0.00	No
201	BH512CP	0	17-Dec-15	0.10	6	7.20	0.17	0.02	0.01	No
202	BH512R	0	17-Dec-15	0.02	6	7.20	0.17	0.00	0.00	No
203	BH310CP	0	18-Dec-15	0.13	6	7.20	0.17	0.02	0.02	No
204	BH310R1	0	18-Dec-15	0.06	6	7.20	0.17	0.01	0.01	No
205	BH310R2	0	18-Dec-15	0.04	6	7.20	0.17	0.01	0.01	No
206	BH526CP	0	18-Dec-15	0.38	6	7.20	0.17	0.06	0.05	No
207	BH526RS	0	18-Dec-15	0.02	6	7.20	0.17	0.00	0.00	No
208	BH536R	0	18-Dec-15	0.04	6	7.20	0.17	0.01	0.01	No
209	BH854RA	0	18-Jan-16	0.02	6	7.20	0.17	0.00	0.00	No
210	SMBH14	0	18-Jan-16	0.03	6	7.20	0.17	0.00	0.00	No
211	BH860	0	18-Jan-15	0.07	6	7.20	0.17	0.01	0.01	No
212	BH858	0	18-Jan-16	0.02	6	7.20	0.17	0.00	0.00	No
213	BH857	0	18-Jan-16	0.08	6	7.20	0.17	0.01	0.01	No
214	BH713R	0	18-Jan-16	1.00	6	7.20	0.17	0.17	0.14	No



14 Oct 2014

Steven Mackereth
Structural Soils Limited
The Old School House
Stillhouse Lane
Bedminster, Bristol
BS3 4EB

Dear Sir

Investigation into irregularities in mercury data in groundwater samples

Following an initial query regarding elevated Mercury (Hg) results in water samples from the Wylfa site all results to date were compiled and compared with samples from other sites that had been included in the same instrument runs. Runs included samples with no Mercury, some with trace levels and some positives. A selection of samples were reanalysed and comparable results obtained.

All calibrations and procedural quality control were within limits. It is rare we find Mercury in water samples and our inter-laboratory proficiency scheme performance is good. This led us to rule out a procedural or instrument problem.

Samples were then split on site and sent to ourselves and NLS. Mike Owens contacted us to advise that NLS had found no Mercury in the split samples and we had found Mercury. We then arranged for some samples already analysed by Envirolab to be sent to two other labs for Mercury analysis and they came back at either trace or less than limit of detection.
We approached our instrument manufacturer to investigate possible causes of the discrepancy and they suggested that, when Mercury is analysed for at isotope 202, interference can occur from Tungsten, which can be converted to Tungsten Oxide (WO-mass 202) in the plasma of the ICP. To investigate if this was a problem in this case we analysed a selection of Wylfa samples for Tungsten and they contained concentrations from 30 to 600 ug/l. In the same instrument run we also analysed for Mercury at a different, less sensitive, isotope, 201, that doesn't suffer from Tungsten interference. Results were trace or less than limit of detection.

Following conversations with our instrument manufacturer we then introduced an interference correction for Tungsten and re-analysed the same samples at mass 202. Results for Mercury were trace or less than limit of detection.

All Wylfa water samples still in storage at Envirolab were analysed, with the Tungsten interference correction, overnight on Thursday 9th October. All results were trace or less than limit of detection. In total 9 reports have been re-issued.

We have now introduced the Tungsten correction as a default in all analysis for Mercury and are confident no further positives caused by interference will be found.

Regards

[redacted]

John Gustafson
Director

Appendix F. Phytotoxic risk assessment

													Borehole ID	TP315	TP315	TP316	TP316	TP317	TP317	TP318	TP319	TP320	BH312	BH312	BH313	BH313	BH314	BH314	BH312	BH313	BH313	BH313	BH313
													Depth	0.50	2.80	0.40	0.70	0.50	2.90	0.50	0.50	0.50	0.50	1.50	0.50	2.50	0.50	1.00	1.00	1.00	1.20	2.00	3.00
													Phase	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI
AGS Code	Determinand	Test Type	Unit	Laboratory Limit of Detection (LOD)	CoP Agricultural Use of Sewage Sludge guideline value	ICRCL guideline value	Min. Value	Max. Value	Total no. of results	No. of results <LOD	No. >CoP	No. >ICRCL																					
CU	Copper	SOLID_ACID	mg/kg	1	135	130	7.0	84.0	20	0	0	0		31	9	84	32	7	15	12	10	17	25	51	26	41	19	16	36	29	18	44	14
NI	Nickel	SOLID_ACID	mg/kg	1	75	70	7.0	21.0	20	0	0	0		13	8	16	11	12	19	7	16	15	15	17	16	17	9	15	15	17	21	18	17
ZN	Zinc	SOLID_ACID	mg/kg	5	200	300	30.0	413.0	20	0	2	1		65	30	413	112	46	67	36	55	58	78	244	72	92	47	76	136	80	77	95	62
B	Boron	-	mg/kg	1		3	1.0	1.6	15	14	0	0		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0					

Key:

1000	Exceedance of guideline value
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the guideline values used.

| | | |

					OT501	OT501	OT501	OT501	OT501	OT502A	OT502A	OT502B	OT502B	OT502B	OT502C	OT502C	OT502C	OT503B	OT503B	OT503B	TP571	TP571	TP571	TP572	TP572	TP573	TP573	TP574	TP574	TP574	TP575	TP575	TP576	TP576	TP577	TP577	TP578	TP578	TP579	TP579
					11/01095 /18	11/01219 /10	11/01219 /11	11/01219 /12	11/01219 /9	11/01219 /1	11/01219 /2	11/01219 /3	11/01219 /4	11/01219 /5	11/01219 /6	11/01219 /7	11/01219 /8	11/01219 /13	11/01219 /14	11/01219 /15	11/01099 /2	11/01099 /3	11/01099 /4	11/01099 /6	11/01099 /7	11/01099 /10	11/01099 /9	11/01099 /12	11/01099 /13	11/01099 /14	11/01099 /16	11/01099 /17	11/01095 /2	11/01095 /3	11/01095 /5	11/01095 /6	11/01095 /8	11/01095 /9	11/01095 /11	11/01095 /12
					1.8	0.9	1.8	3.3	0.3	0.5	0.8	0.5	0.9	1.3	0.5	0.9	1.4	0.6	1.9	3	0.3	1	2.7	0.3	1.2	0.9	0.2	0.2	0.5	1.9	0.3	0.6	0.4	1.3	0.3	0.7	0.4	1.5	0.8	2.1
					IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI	IOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**																																				
CU	Copper	SOLID_ACID	mg/kg	1	25	21	15	36	47	62	47	30	28	21	11	30	25	12	27	17	30	28	39	12	17	23	14	23	29	18	20	11	57	36	28	27	15	12	28	28
NI	Nickel	SOLID_ACID	mg/kg	1	11	11	11	17	18	21	18	16	18	18	17	20	14	10	18	13	26	24	22	10	12	17	10	15	15	15	10	10	15	16	11	13	9	11	14	14
ZN	Zinc	SOLID_ACID	mg/kg	5	77	57	120	229	88	141	115	86	137	107	85	136	114	43	118	109	48	51	58	38	54	48	44	70	156	59	63	31	169	81	47	72	32	32	79	142

Key:

2000	Exceedance of guideline value
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

					TP580	TP580	TP700/1	TP700/1	TP700/1	TP700/10	TP700/10	TP700/11	TP700/11	TP700/11	TP700/12	TP700/12	TP700/12	TP700/13	TP700/13	TP700/14	TP700/14	TP700/15	TP700/15	TP700/16	TP700/17	TP700/17	TP700/17	TP700/18	TP700/18	TP700/19	TP700/19	TP700/2	TP700/2	TP700/20	TP700/22	TP700/22	TP700/23	TP700/23	TP700/23A	TP700/23A
					11/01095/14	11/01095/15	14/02933/5	14/02933/6	14/02933/8	14/02933/22	14/02933/24	14/02948/1	14/02948/2	14/02948/3	14/02933/25	14/02933/26	14/02933/27	14/02933/30	14/02933/31	14/02933/28	14/02933/29	14/03132/12	14/03132/13	14/03039/1	14/02933/32	14/02933/33	14/02933/34	14/02948/4	14/02948/5	14/03039/3	14/03039/4	14/02933/10	14/02933/9	14/02933/35	14/02948/6	14/02948/7	14/03132/10	14/03132/9	14/03132/7	14/03132/8
					1.1	2.2	0.3	0.95	2	0.4	1.4	0.5	1	2	0.4	1	1.3	0.5	1	0.3	0.75	0.5	1	0.3	0.5	1	1.3	0.4	1	0.5	1	1.3	0.85	0.5	0.4	0.7	0.5	0.3	0.5	1
					IOnGI	IOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**																																				
CU	Copper	SOLID_ACID	mg/kg	1	19	21	604	753	1730	14	27	29	21	10	26	33	10	23	23	24	33	7	10	911	111	18	22	21	24	32	41	9	23	11	49	31	12	36	13	16
NI	Nickel	SOLID_ACID	mg/kg	1	12	16	66	84	63	6	11	12	14	14	10	13	5	14	13	13	15	6	5	48	12	13	15	13	14	16	20	11	12	11	14	12	14	12	6	6
ZN	Zinc	SOLID_ACID	mg/kg	5	71	43	3120	4170	3990	37	95	78	82	65	67	72	41	59	76	47	56	24	17	1190	65	39	42	44	62	69	75	52	73	28	221	92	47	146	191	58

Key:

2000	Exceedance of guideline value
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

					TP700/24	TP700/24	TP700/27	TP700/27	TP700/28	TP700/28	TP700/29	TP700/3	TP700/3	TP700/39	TP700/49	TP700/5	TP700/5	TP700/6	TP700/6	TP700/7	TP700/7	TP700/8	TP700/9	TP700/9	TP700/9	TP800/01	TP800/01	TP800/02	TP800/02	TP800/03	TP800/04	TP800/04	TP800/05	TP800/05	TP800/06	TP800/07	TP800/08	TP800/09	TP800/10	TP800/11
					14/03132	14/03132	14/03039	14/03039	14/03039	14/03039	14/03132	14/02933	14/02933	14/02933	14/02894	14/02933	14/02933	14/02933	14/02933	14/02933	14/02933	14/02933	14/02933	14/02933	14/02933	14/05824	14/05824	14/05824	14/05824	14/05632	14/05708	14/05708	14/05666	14/05666	14/05563	14/05563	14/05563	14/05563	14/05563	14/05563
					/3	/4	/5	/6	/8	/9	/1	/11	/12	/1	/1	/17	/18	/36	/37	/14	/15	/16	/19	/20	/21	/1	/2	/3	/4	/2	/7	/8	/1	/2	/14	/12	/6	/5	/8	/9
					0.1	0.5	0.3	0.8	0.5	1	0.5	0.4	0.95	0.5	0.5	0.2	0.8	0.3	0.8	0.4	0.9	0.4	0.4	0.8	1.5	0.5	1.5	0.5	1	0.5	0.5	1	0.5	1	0.5	0.5	1	0.5	0.5	0.5
					DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**																																			
CU	Copper	SOLID_ACID	mg/kg	1	42	11	13	11	17	17	21	34	40	14	22	11	17	18	17	18	22	9	2310	29	27	14	15	18	12	7	20	17	12	16	15	6	18	7	13	18
NI	Nickel	SOLID_ACID	mg/kg	1	10	10	11	10	12	11	14	12	25	11	11	13	11	12	10	10	12	8	204	29	19	20	13	11	6	5	12	9	11	12	22	9	13	4	12	12
ZN	Zinc	SOLID_ACID	mg/kg	5	119	37	39	39	37	51	34	67	91	43	61	47	43	67	54	58	66	36	10400	154	59	34	36	47	33	33	55	58	53	48	39	23	34	17	38	39

Key:

2000	Exceedance of guideline value
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

					TP800/12	TP800/13	TP800/14	TP800/15	TP800/16	TP800/16	TP800/16	TP800/16	TP800/17	TP800/17	TP800/17	TP800/18	TP800/18	TP800/18	TP800/19	TP800/19	TP800/20	TP800/20	TP800/21	TP800/21	TP800/22	TP800/22	TP800/22	TP800/23	TP800/23	TP800/23	TP800/24A	TP800/24A	TP800/24A	TP800/25	TP800/25	TP800/25	TP800/26	TP800/26	TP800/27
					14/05563/3	14/05563/2	14/05563/1	14/05563/7	14/05790/1	14/05790/2	14/05790/3	14/05790/4	14/05790/5	14/05790/6	14/05790/8	14/05708/1	14/05708/2	14/05708/3	14/05764/1	14/05764/2	14/05666/3	14/05666/4	14/05708/4	14/05708/5	14/05632/16	14/05632/18	14/05632/20	14/05632/21	14/05632/22	14/05632/24	14/05632/28	14/05632/30	14/05632/31	14/05632/11	14/05632/14	14/05632/15	14/05632/3	14/05632/5	14/05632/7
					1	1	0.5	0.5	0.5	1	2	3	0.5	1	3	0.5	1	2	0.5	1	0.5	1	0.5	1	0.5	1.6	3	0.5	1	2	0.5	2	3	0.5	1	1.8	0.5	1	0.5
					DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**																																		
CU	Copper	SOLID_ACID	mg/kg	1	20	18	22	7	15	9	11	16	80	85	169	20	15	18	68	18	13	18	16	14	21	14	11	12	18	20	12	15	14	127	175	209	5510	460	15
NI	Nickel	SOLID_ACID	mg/kg	1	14	12	12	12	7	5	7	8	13	19	29	12	8	10	18	14	15	16	10	12	8	7	14	6	8	8	6	7	13	26	25	24	494	46	9
ZN	Zinc	SOLID_ACID	mg/kg	5	41	31	33	38	47	27	30	44	381	457	720	49	44	83	356	38	54	45	35	47	64	28	30	29	39	50	42	42	30	568	725	1070	31900	2400	54

Key:

2000	Exceedance of guideline value
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

					TP800/27	TP800/28	TP800/29	TP800/30	TP800/30	TP800/31	TP800/32	TP800/33
					14/05632/8	14/05632/1	14/05563/13	14/05632/25	14/05632/26	14/05563/10	14/05563/11	14/05563/4
					1	0.5	0.5	0.5	1	0.4	0.5	1
					DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI	DOnGI
AGS Code	**Determinand**	**Test Type**	**Unit**	**Laboratory Limit of Detection (LOD)**								
CU	Copper	SOLID_ACID	mg/kg	1	129	8	8	15	7	19	11	15
NI	Nickel	SOLID_ACID	mg/kg	1	20	11	8	6	13	10	9	13
ZN	Zinc	SOLID_ACID	mg/kg	5	594	28	42	44	31	56	40	31

Key:

2000	Exceedance of guideline value
0.5	Result <LOD

Note: This data has been manipulated from AGS data using Microsoft Excel. Reference should be made to the orginal laboratory certificates or AGS for the original data.

Reference should be made to the report for further information on the generic assessment criteria used.

Notes:

Reference should be made to the laboratory certificates for the original data. Reference should be made to the report text for further information on the guideline values used.

Sample Matrix Code	Units	Method	CoP Agricultural Use of Sewage Sludge guideline value	ICRCL guideline value	Min. Value	Max. Value	Total no. of results	No. of results <LOD	No. of results >CoP	No. of results >ICRCL																			
Lab Sample ID												15/05031/2	15/05031/6	15/05031/7	15/05031/11	15/05031/13	15/05031/14	15/05031/16	15/05031/19	15/05031/24	15/05031/26	15/05031/31	15/05031/33	15/05031/35	15/05031/39	15/05031/44	15/05031/47	15/05031/51	15/05031/57
Client Sample No												3	10	3	3	3	6	15	3	7	3	11	3	3	6	3	3	3	12
Client Sample ID												PC9TP01	PC9TP02	PC9TP03	PC9TP04	PC9TP05	PC9TP05	PC9TP05	TP2201	TP2202	TP2203	TP2204	XTP072	XTP073	XTP078	XTP089	XTP090	XTP091	XTP092
Depth to Top												0.00	1.00	0.00	0.00	0.00	0.50	1.50	0.00	0.50	0.00	1.00	0.00	0.00	0.50	0.20	0.00	0.20	2.00
Depth to Bottom												0.18		0.20	0.25	0.20			0.30		0.30		0.25	0.20			0.20		
Date Sampled												25-Jul-15	25-Jul-15	25-Jul-15	25-Jul-15	24-Jul-15	24-Jul-15	24-Jul-15	25-Jul-15	23-Jul-15	24-Jul-15	27-Jul-15	27-Jul-15	26-Jul-15	27-Jul-15	28-Jul-15	27-Jul-15	28-Jul-15	25-Jul-15
Sample Type												Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES
Sample Matrix Code												4AE	4AE	4AE	4AE	4AE	4AE	5AE	4AE	5AE	6AE	5A	1AE	4AE	5AE	4AE	4AE	5AE	5AE
General Suite					-	-	-	-			-																		
Boron (water soluble)	mg/kg	A-T-027s		3	<1	2.3	74	72	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
Copper	mg/kg	A-T-024s	135	130	5	2880	76	0	2	2	-	15	14	16	32	17	54	8	13	11	19	13	11	15	17	32	13	19	20
Nickel	mg/kg	A-T-024s	75	70	3	263	76	0	1	1	-	9	15	11	13	12	14	3	14	20	10	14	9	15	14	7	12	13	16
Zinc	mg/kg	A-T-024s	200	300	17	14600	76	0	5	5	-	38	37	46	46	55	130	17	44	35	30	39	56	34	54	36	51	38	38

2000 Exceedance of guideline value

Notes:

Reference should be made to the laboratory certificates for the original data. Reference should be made to the report text for further information on the guideline values used.

Sample Matrix Code	Units	Method	COP Agricultural Use of Sewage Sludge guideline value	ICRCL guideline value	Min. Value	Max. Value	Total no. of results	No. of results <LOD	15/05031/58	15/05031/63	15/05031/68	15/05031/72	15/05031/74	15/05031/75	15/05031/79	15/05031/82	15/05031/86	15/05031/89	15/05031/93	15/05031/98	15/05031/100	15/05304/2	15/05304/5	15/05304/7	15/05304/11	15/05304/19	15/05304/23	15/05304/27	15/05304/32	15/05304/36
									3	6	9	11	3	6	6	3	3	3	5	8	5	8	6	3	3	12	3	8	11	7
									XTP093	XTP094	XTP095	XTP096	XTP098	XTP098	XTP101	XTP102	XTP104	XTP107	BH2201A	BH2203	BH2204	PC11HP01	PC11HP02	PC11HP03	PC11HP04	PC7BH01	PC7BH02	PC7TP01	PC7TP02	PC7TP03
									0.00	0.50	1.00	1.00	0.00	0.50	0.50	0.00	0.00	0.00	0.50	1.00	1.00	0.50	0.50	0.00	0.00	1.20	0.00	0.50	1.00	0.50
									0.30				0.30			0.25	0.20	0.30						0.20	0.20		0.25			
									27-Jul-15	28-Jul-15	26-Jul-15	26-Jul-15	26-Jul-15	26-Jul-15	28-Jul-15	28-Jul-15	26-Jul-15	27-Jul-15	27-Jul-15	26-Jul-15	25-Jul-15	05-Aug-15	05-Aug-15	05-Aug-15	05-Aug-15	05-Aug-15	05-Aug-15	06-Aug-15	05-Aug-15	05-Aug-15
									Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid
									6AE	5AE	6A	5A	6AE	6AE	5AE	5AE	4AE	4AE	4AE	6A	6	5AE	6AE	6E	4AE	4AE	4AE	5AE	6A	7
General Suite					–	–	–	–																						
Boron (water soluble)	mg/kg	A-T-027s		3	<1	2.3	74	72	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.3	<1.0	<1.0
Copper	mg/kg	A-T-024s	135	130	5	2880	76	0	21	17	20	20	20	13	21	15	20	21	11	29	49	5	17	17	24	44	8	2880	28	11
Nickel	mg/kg	A-T-024s	75	70	3	263	76	0	13	15	16	13	15	10	16	11	10	15	15	19	17	8	18	11	12	16	10	263	24	17
Zinc	mg/kg	A-T-024s	200	300	17	14600	76	0	50	36	38	34	61	46	42	42	58	46	43	50	42	49	92	63	69	170	53	14600	47	112

2000 Exceedance of guideline value

Notes:

Reference should be made to the laboratory certificates for the original data. Reference should be made to the report text for further information on the guideline values used.

Sample Matrix Code	Units	Method	CoP Agricultural Use of Sewage Sludge guideline value	ICRCL guideline value	Min. Value	Max. Value	Total no. of results	No. of results <LOD	15/05304/42	15/05304/47	15/05304/54	15/05304/59	15/05304/64	15/05304/66	15/05304/67	15/05304/69	15/05304/73	15/05304/76	15/05304/78	15/05304/81	15/05304/87	15/05152/1	15/05152/3	15/05152/8	15/05152/10	15/05152/13	15/05152/16	15/05152/21	15/05152/24	15/05152/26
									7	3	11	6	7	3	3	6	3	3	11	6	3	3	11	6	12	8	3	6	3	10
									PC7TP04	PC7TP05	PC7TP06	PC7TP07	XTP067	XTP069A	XTP069B	XTP074	XTP076	XTP087	XTP087	XTP105	PC15TP02	PC15TP01	PC15TP01	PC7TP11	PC7TP11	TP2001	TP2002	TP2003	XTP069	XTP069
									0.50	0.00	1.00	0.50	0.40	0.00	0.00	0.50	0.00	0.00	1.00	0.50	0.00	0.00	1.00	0.50	1.50	0.40	0.00	0.50	0.00	1.00
										0.20				0.20	0.20		0.25	0.20			0.20	0.25					0.30		0.3	
									05-Aug-15	06-Aug-15	06-Aug-15	06-Aug-15	04-Aug-15	04-Aug-15	04-Aug-15	07-Aug-15	05-Aug-15	04-Aug-15	04-Aug-15	04-Aug-15	04-Aug-15	31-Jul-15	31-Jul-15	31-Jul-15	31-Jul-15	30-Jul-15	30-Jul-15	30-Jul-15	30-Jul-15	30-Jul-15
									Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES
									4AE	6AE	4AE	6A	4AE	6AE	6AE	6A	6AE	6AE	6A	5AE	6AE	4AE	1A	1A	4AE	4AE	5AE	1AE	4AE	4A
General Suite					–	–	–	–																						
Boron (water soluble)	mg/kg	A-T-027s		3	<1	2.3	74	72	<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
Copper	mg/kg	A-T-024s	135	130	5	2880	76	0	21	14	15	19	21	27	15	15	19	24	69	206	13	18	23	18	20	29	15	8	19	13
Nickel	mg/kg	A-T-024s	75	70	3	263	76	0	11	11	6	9	13	10	7	22	11	7	13	20	8	11	10	7	8	12	9	17	10	10
Zinc	mg/kg	A-T-024s	200	300	17	14600	76	0	71	44	33	38	53	56	41	39	55	28	46	468	33	45	36	77	48	81	37	32	40	38

2000 Exceedance of guideline value

Notes:

Reference should be made to the laboratory certificates for the original data. Reference should be made to the report text for further information on the guideline values used.

Sample Matrix Code	Units	Method	COP Agricultural Use of Sewage Sludge guideline value	ICRCL guideline value	Min. Value	Max. Value	Total no. of results	No. of results <LOD	15/05152/32	15/05152/33	15/05152/40	15/05156/2	15/05156/3	15/05156/4	15/05156/6	15/05156/10	15/05156/11	15/05156/14	15/05156/15	15/05156/16	15/05156/19	15/05470/1
									3	6	15	6	9	12	3	3	6	3	6	9	3	3
									XTP071	XTP071	PC7TP09	PC7TP08	PC7TP08	PC7TP08	TP2004	XTP068	XTP068	XTP070	XTP070	XTP070	XTP088	PC17TP01
									0.00	0.50	2.00	0.50	1.00	1.70	0.30	0.00	0.50	0.00	0.50	1.00	0.00	-1.60
									0.30							0.30		0.15			0.40	0.00
									31-Jul-15	31-Jul-15	03-Aug-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	29-Jul-15	03-Aug-15
									Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES
									1AE	1AE	1A	4AE	6A	5A	6AE	1AE	1AE	1AE	4AE	4AE	1AE	5AE
General Suite					–	–	–	–														
Boron (water soluble)	mg/kg	A-T-027s		3	<1	2.3	74	72	<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
Copper	mg/kg	A-T-024s	135	130	5	2880	76	0	11	24	16	125	30	36	26	75	84	11	33	28	17	45
Nickel	mg/kg	A-T-024s	75	70	3	263	76	0	8	12	15	16	9	11	13	14	17	5	10	9	16	13
Zinc	mg/kg	A-T-024s	200	300	17	14600	76	0	32	74	62	405	74	41	42	301	381	29	71	62	48	171

2000 Exceedance of guideline value

Appendix G. Ground gas risk assessment

Borehole ID	Response Zone Screening Depth (m bgl)	Response Zone Strata	Number of monitoring rounds	Water depth (m bgl) range	Response Zone Flooded (F) / Partially Flooded (PF)	Min of Atmos Pressure (mb)	Max of Atmos Pressure (mb)	Min of Methane (% / vol)	Max of Methane (% / vol)	Min of Carbon Dioxide (% / vol)	Max of Carbon Dioxide (% / vol)	Min of Oxygen (% / vol)	Maximum Peak Flow Rate (l/hr)	Carbon Dioxide GSV (l gas / hour)	Methane GSV (l gas / hour)	Characteristic Situation
BH1009	11.3-17.5	Irish Sea lodgement till	1	11.73	PF	1035	1035	0	0	0	0	20.8	0	0	0	CS1
BH1010R	3.0-7.0	NHG bedrock	1	4.41	PF	1035	1035	0	0.1	0	0	20.8	1.4	0	0.0014	CS1
BH1012	24.5-31.5	NHG bedrock	1	17.17	F	1027	1027	0	0	0	0	20.2	0.4	0	0	CS1
BH1013R	10.0-17.0	NHG bedrock	1	3	F	1035	1035	0	0	0	0.1	20.8	0	0.0001	0	CS1
BH1025R	3.0-13.0	NHG bedrock	1	4.04	PF	1027	1027	0	0	0	0.1	20.4	0.1	0.0001	0	CS1
BH1028R	1.0-4.3	Locally derived lodgement till (clayey gravel & gravelly clay)	1	0.76	F	1027	1027	0	0	0	0.2	20.7	0	0.0002	0	CS1
BH2201A	1.0-4.0	Locally derived lodgement till (gravelly sand)	3	-	-	992	1012	0	0	0	0.4	20.6	0.4	0.0016	0	CS1
BH2203	1.0-4.0	Locally derived lodgement till (gravelly clay and gravel)	3	-	-	992	1012	0	0	0	0.1	15.8	0.2	0.0002	0	CS1
BH712R	9.0-22.00	NHG Bedrock	1	Flooded	F	1029	1029	0	0	0.1	0.1	20.8	0	0.0001	0	CS1
BH713R	1.1-2.8	Locally derived lodgement till & NHG bedrock	6	Flooded - 0.84	F	995	1028	0	0	0	0.9	20.2	0.3	0.0027	0	CS1
BH717	42.0-52.0	NHG Bedrock	6	12.93	F	1028	1028	0	0	0.1	0.1	20	0	0.0001	0	CS1
BH719A	9.8-11.3	Locally derived lodgement till & NHG bedrock	6	7.94 - 8.60	F	995	1028	0	0.1	0	0.2	19.8	0.6	0.0012	0.0006	CS1
BH726	18.5-19.0	NHG Bedrock	1	1.09	F	997	997	0	0	0.1	0.3	20.1	0.1	0.0003	0	CS1
BH727R	18.5-28.5	NHG Bedrock	1	0.48	F	1028	1028	0	0	0.1	0.1	20.2	0	0.0001	0	CS1
BH729	9.3-10.3	Locally derived lodgement till	6	4.02 - 8.07	F	995	1022	0	0.1	0	1.4	11.8	2.6	0.0364	0.0026	CS1
BH729 Deep	13.8-14.8	Locally derived lodgement till & NHG Bedrock	6	13.76 - 14.69	F - PF	995	1022	0	0.1	0	2.4	0	0.7	0.0168	0.0007	CS1
BH745R	6.5-13.5	NHG Bedrock	1	3.62	F	1037	1037	0	0	0.1	0.2	17.4	0	0.0002	0	CS1
BH758R	8.75-15.3	NHG bedrock	1	2.14	F	997	997	0	0	0	0	20.2	0.2	0	0	CS1
BH763	8.8-10.8	NHG Bedrock	6	5.19 - 7.29	F	991	1023	0	0.1	0	1.3	19.3	5	0.065	0.005	CS1
BH769R	1.5-14.5	NHG Bedrock	1	0.29	F	1028	1028	0	0	0.1	0.1	20	0	0.0001	0	CS1
BH777R	8.8-13.8	Locally derived lodgement till	6	7.63 - 10.21	F- PF	995	1022	0	0.1	0	3.4	12.5	14.4	0.4896	0.0144	CS2
BH787R	14.0-21.0	NHG bedrock	1	1.32	F	1028	1028	0	0	0	0	20	0	0	0	CS1
BH788R	1.0-2.6	NHG bedrock	1	1.07	PF	1028	1028	0	0	0	0	20.1	0	0	0	CS1
BH794R	1.5-12.5	NHG bedrock	1	0.45	F	1028	1028	0	0	0	0	20	0	0	0	CS1
BH801R	14.5-24.5	NHG bedrock	1	7.18	F	1003	1003	0	0	0	0	20.6	0	0	0	CS1
BH802R	14.5-25.0	NHG bedrock	1	1.2	F	1003	1003	0	0.8	0	0.7	19.2	0	0.0007	0.0008	CS1
BH822R	19.0-29.0	NHG bedrock	1	3.1	F	1028	1028	0	0	0	0	20.1	0	0	0	CS1
BH850R	4.5-13.5	NHG bedrock	1	0.79	F	1037	1037	0	0	0	0.1	20.5	0	0.0001	0	CS1
BH852R	10.5-20.5	NHG bedrock	1	7.31	F	1029	1029	0	0	0	0	20.3	0.1	0	0	CS1
BH853R	9.5-25.5	NHG bedrock	1	5.85	F	1000	1000	0	0	0	0.1	20	0	0.0001	0	CS1
BH854RA	1.7-7.3	NHG bedrock	1	2.36	PF	1000	1000	0	0	0	0.1	20.1	0	0.0001	0	CS1
BH856	17.5-28.5	NHG bedrock	1	2.87	F	1000	1000	0	0	0	0	19.8	1.7	0	0	CS1
BH857R	11.5-15.5	Locally derived lodgement till (clayey gravel)	1	2.51	F	1000	1000	0	0	0	0	20.6	0.4	0	0	CS1
BH858	2.5-12.5	Locally derived lodgement till (clayey gravel)	1	2.77	PF	975	975	0	0	0	0.1	19.4	8.2	0.0082	0	CS1
BH860	1.5-6.5	NHG bedrock	1	2.82	PF	975	975	0	0.1	0	3.3	16.7	1.4	0.0462	0.0014	CS1
BH862R	20.5-27.5	NHG bedrock	1	4.66	F	1000	1000	0	0	0	0	20.4	2.8	0	0	CS1
BH863R	11.0-18.0	NHG bedrock	1	5.29	F	1000	1000	0	0	0	0.1	20.6	0	0.0001	0	CS1
BH864R	12.5-19.5	NHG bedrock	1	4.38	F	1003	1003	0	0	0	0	20.3	0	0	0	CS1
BH866R	1.2-4.3	Locally derived lodgement till (gravelly clay) and NHG bedrock	1	0.81	F	1003	1003	0	0	0.1	0.3	20.3	0.4	0.0012	0	CS1
BH867R	6.5-25.5	NHG bedrock	1	1.39	F	1003	1003	0	0	0	0	20.4	0.8	0	0	CS1
BH870R	11.5-22.5	NHG bedrock	1	5.79	F	1003	1003	0	0	0	0	20	0.1	0	0	CS1
BH871R	10.0-21.0	NHG bedrock	1	5.28	F	1003	1003	0	0	0	0	19.5	0.2	0	0	CS1
BH874RA	6.5-13.5	NHG bedrock	1	1.85	F	997	997	0	0	0	0	20.4	3.5	0	0	CS1
BH875R	1.9-5.4	Locally derived lodgement till (gravelly clay)	1	2.34	PF	1003	1003	0	0	0	0.1	20.3	0	0.0001	0	CS1
BH878R	12.5-18.5	NHG bedrock	1	1.78	F	1003	1003	0	0	0	0	20.2	0	0	0	CS1
BH880R	11.5-15.5	NHG bedrock	1	7.12	F	1003	1003	0	0	0	0.3	20.4	0	0.0003	0	CS1
BH887R	10.5-17.5	NHG bedrock	1	0.6	F	1003	1003	0	0	0	0	20.6	0	0	0	CS1
BH941R	6.5-13.5	NHG bedrock	1	1.57	F	1034	1034	0	0	0.1	1.3	18.5	0	0.0013	0	CS1
BH947R	1.5-9.5	Irish Sea lodgement till	1	Flooded	F	1003	1003	0	0	0	2.1	19.5	0	0.0021	0	CS1
BH950R	1.5-6.0	Locally derived lodgement till (gravelly clay)	1	0.81	F	997	997	0	0	0	0.7	20	0	0.0007	0	CS1
BH951R	11.5-19.5	NHG Bedrock	1	Flooded	F	1028	1028	0	0	0	0	0	NR	N/A	N/A	N/A
BH957	2.4-5.2	Locally derived lodgement till (clayey gravel) & Locally derived coarse Basal till (mainly clast supported)	1	1.42	F	997	997	0	0	0	1.2	20	0.2	0.0024	0	CS1
BH958R	15.5-26.5	NHG bedrock	1	0.22	F	1027	1027	0	0	0	0.2	20.4	0.3	0.0006	0	CS1
PC7BH01	0.75-3.5	Made Ground and locally derived lodgement till (gravelly sand)	4	-	-	991	1020	0	0	0	0.9	18.9	0.5	0.0045	0	CS1
PC7BH02	0.7-2.0	Locally derived lodgement till (gravelly sand and gravelly clay)	4	-	-	991	1020	0	0	0	4.3	15.4	0.1	0.0043	0	CS1

Appendix H. Waste assessment

Determinand (laboratory concentrations)	Initial Haz-waste Online Classification Result	Revised Classification Result	Justification	Depth	acenaphthene	acenaphthylene	anthracene	arsenic {arsenic trioxide}	benzene	benzo[a]anthracene	benzo[a]pyrene; benzo[def]chrysene	benzo[b]fluoranthene	benzo[ghi]perylene	benzo[k]fluoranthene	cadmium {cadmium sulfide}	chromium {chromium(III) oxide}	chrysene	copper {copper (I) oxide}	dibenz[a,h]anthracene	ethylbenzene	fluoranthene	fluorene	indeno[123-cd]pyrene	lead {lead compounds}	manganese {manganese dioxide}	mercury {mercury dichloride}	naphthalene	nickel {nickel dihydroxide}	PCBs/PCTs
Unit				m	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP315	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5				1	0.01						0.5	9		31		0.01				3	795	0.17		13	
TP315[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2.8				3	0.01						0.5	15		9		0.01				13	382	0.17		8	
TP316	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate the chromium concentrations would need to be greater than have been reported within this sample. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted and sample is classified as Non Hazardous, however this will require detailed confirmatory assessment by the receiving waste operator.	0.4				2	0.01						0.5	12		84		0.01				39	626	0.17		16	
TP316[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.7				5	0.01						0.5	19		32		0.01				26	810	0.17		11	
TP317	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5				3	0.01						0.5	16		7		0.01				6	466	0.17		12	
TP317[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2.9				2	0.01						0.5	10		15		0.01				5	876	0.17		19	
TP318	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5				1	0.01						0.5	6		12		0.01				6	420	0.17		7	
TP319	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5				10	0.01						0.5	31		10		0.01				14	687	0.17		16	
TP320	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5				6	0.01						0.5	22		17		0.01				14	1050	0.17		15	
BH312	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.1	0.1	0.1	1	0.01	0.1	0.1	0.1	0.1	0.1	0.5	13	0.1	25	0.1	0.01	0.1	0.1	0.1	8	801	0.17	0.1	15	
BH312[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.5	0.1	0.1	0.1	1	0.01	0.1	0.1	0.1	0.1	0.1	0.5	12	0.1	51	0.1	0.01	0.1	0.1	0.1	17	950	0.17	0.1	17	
BH313	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.1	0.1	0.1	1	0.01	0.1	0.1	0.1	0.1	0.1	0.5	18	0.1	26	0.1	0.01	0.1	0.1	0.1	7	787	0.17	0.1	16	
BH313[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2.5	0.1	0.1	0.1	14	0.01	0.1	0.1	0.1	0.1	0.1	0.5	28	0.1	41	0.1	0.01	0.1	0.1	0.1	21	669	0.2	0.1	17	
BH314	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.1	0.1	0.1	1	0.01	0.1	0.1	0.1	0.1	0.1	0.5	10	0.1	19	0.1	0.01	0.1	0.1	0.1	4	458	0.17	0.1	9	
BH314[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.1	0.1	0.1	1	0.01	0.1	0.1	0.1	0.1	0.1	0.5	11	0.1	16	0.1	0.01	0.1	0.1	0.1	4	766	0.17	0.1	15	
BH312[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1				1	0.01						0.5	12		36		0.01				14		0.17		15	
BH313[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1				1	0.01						0.5	13		29		0.01				4		0.17		17	
BH313[3]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.2				8	0.01						0.5	23		18		0.01				13		0.17		21	
BH313[4]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2				12	0.01						0.5	21		44		0.01				21		0.17		18	
BH313[5]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	3				3	0.01						0.5	16		14		0.01				6		0.17		17	
BH501R	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate the chromium concentrations would need to be greater than have been reported within this sample. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted. Sample is also initially classified as potentially hazardous for flammability (HP 3), based on TPH concentrations. Note that the assessment of flammability risk for TPH has been provisionally discounted as the type and concentrations of TPH recorded are considered unlikely to be flammable when present in soils at concentrations below the hazardous thresholds for other hazardous properties for TPH. Sample is classified as Non-Hazardous. The hazardous waste classification assessment of flammability risks and zinc will require detailed confirmatory assessment by the receiving waste operator.	0.6	0.05	0.01	0.03	15	0.01	0.19	0.18	0.31	0.01	0.15	0.8	19	0.55	87	0.01	0.01	0.65	0.04	0.01	278	569	0.43	0.01	19	
BH501R[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.6	0.01	0.01	0.01	8	0.01	0.01	0.01	0.01	0.01	0.01	0.5	17	0.01	24	0.01	0.01	0.01	0.01	0.01	12	785	0.17	0.02	17	
BH514R	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.01	6	0.01	0.01	0.01	0.01	0.01	0.01	0.5	18	0.02	19	0.01	0.01	0.04	0.01	0.01	12	655	0.17	0.01	14	
BH516	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	3	0.01	0.01	0.01	7	0.01	0.01	0.01	0.01	0.01	0.01	0.5	22	0.01	25	0.01	0.01	0.01	0.01	0.02	31	990	0.17	0.12	14	

Determinand (laboratory concentrations)	Initial Haz-waste Online Classification Result	Revised Classification Result	Justification	Depth	pH	phenanthrene	phenol	pyrene	selenium {selenium compounds (with the exception of cadmium sulfoselenide and sodium selenite)}	toluene	TPH (C6 to C40) petroleum group	xylene	zinc {zinc oxide}
Unit				m	pH	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP315	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	9				1	0.01	0.1	0.01	65
TP315[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2.8	7				1	0.01	0.1	0.01	30
TP316	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate the chromium concentrations would need to be greater than have been reported within this sample. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted and sample is classified as Non Hazardous, however this will require detailed confirmatory assessment by the receiving waste operator.	0.4	8.9				1	0.01	0.1	0.01	413
TP316[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.7	7.3				1	0.01	0.1	0.01	112
TP317	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	8				1	0.01	0.1	0.01	46
TP317[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2.9	8.3				1	0.01	0.1	0.01	67
TP318	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	8				1	0.01	0.1	0.01	36
TP319	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.8				1	0.01	0.1	0.01	55
TP320	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	7.1				1	0.01	0.1	0.01	58
BH312	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	8.7	0.1	0.1	0.1	1	0.01	0.1	0.01	78
BH312[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.5	9.1	0.1	0.1	0.1	1	0.01	0.1	0.01	244
BH313	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	8.7	0.1	0.1	0.1	1	0.01	0.1	0.01	72
BH313[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2.5	7.5	0.1	0.1	0.1	2	0.01	0.1	0.01	92
BH314	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	8.4	0.1	0.1	0.1	1	0.01	0.1	0.01	47
BH314[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	8.5	0.1	0.1	0.1	1	0.01	0.1	0.01	76
BH312[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	8.9				1	0.01	0.1	0.01	136
BH313[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	9.2				1	0.01	0.1	0.01	80
BH313[3]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.2	7.7				2	0.01	0.1	0.01	77
BH313[4]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2	8				1	0.01	0.1	0.01	95
BH313[5]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	3	7.2				1	0.01	0.1	0.01	62
BH501R	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate the chromium concentrations would need to be greater than have been reported within this sample. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted. Sample is also initially classified as potentially hazardous for flammability (HP 3), based on TPH concentrations. Note that the assessment of flammability risk for TPH has been provisionally discounted as the type and concentrations of TPH recorded are considered unlikely to be flammable when present in soils at concentrations below the hazardous thresholds for other hazardous properties for TPH. Sample is classified as Non-Hazardous. The hazardous waste classification assessment of flammability risks and zinc will require detailed confirmatory assessment by the receiving waste operator.	0.6	7.4	0.32		0.6	2	0.01	160	0.01	624
BH501R[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.6	7.9	0.01		0.01	1	0.01	0.1	0.01	44
BH514R	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.8	0.02		0.02	1	0.01	0.1	0.01	52
BH516	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	3	6.1	0.01		0.01	1	0.01	0.1	0.01	67

Determinand (laboratory concentrations)	Initial Haz-waste Online Classification Result	Revised Classification Result	Justification	Depth	acenaphthene	acenaphthylene	anthracene	arsenic {arsenic trioxide}	benzene	benzo[a]anthracene	benzo[a]pyrene; benzo[def]chrysene	benzo[b]fluoranthene	benzo[ghi]perylene	benzo[k]fluoranthene	cadmium {cadmium sulfide}	chromium {chromium(III) oxide}	chrysene	copper {copper (I) oxide}	dibenz[a,h]anthracene	ethylbenzene	fluoranthene	fluorene	indeno[123-cd]pyrene	lead {lead compounds}	manganese {manganese dioxide}	mercury {mercury dichloride}	naphthalene	nickel {nickel dihydroxide}	PCBs/PCTs
BH520	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.01	7	0.01	0.01	0.01	0.01	0.02	0.01	0.5	22	0.01	30	0.01	0.01	0.03	0.01	0.01	41	995	0.17	0.02	22	
BH520[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.01	7	0.01	0.01	0.01	0.01	0.01	0.01	0.5	19	0.01	16	0.01	0.01	0.01	0.01	0.01	23	766	0.17	0.01	12	
BH520[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.6	0.01	0.01	0.03	5	0.01	0.01	0.01	0.01	0.01	0.01	0.5	19	0.01	29	0.01	0.01	0.09	0.01	0.01	17	841	0.17	0.01	23	
BH520[3]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.01	6	0.01	0.01	0.01	0.01	0.01	0.01	0.5	16	0.01	24	0.01	0.01	0.01	0.01	0.01	8	571	0.17	0.01	19	
BH524	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.01	12	0.01	0.01	0.01	0.01	0.01	0.01	0.5	12	0.01	43	0.01	0.01	0.03	0.01	0.01	25	478	0.18	0.01	11	
BH524[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.01	7	0.01	0.01	0.01	0.01	0.01	0.01	0.5	19	0.01	20	0.01	0.01	0.01	0.01	0.01	13	1350	0.17	0.01	23	
BH526R	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.3	0.01	0.01	0.01	5	0.01	0.01	0.01	0.01	0.01	0.01	0.5	25	0.01	25	0.01	0.01	0.01	0.01	0.01	25	1240	0.17	0.01	15	
BH526R[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.8	0.01	0.01	0.01	6	0.01	0.01	0.01	0.01	0.01	0.01	0.5	20	0.01	16	0.01	0.01	0.02	0.01	0.01	23	1080	0.17	0.01	12	
BH530	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.02	0.01	0.01	5	0.01	0.01	0.01	0.01	0.01	0.01	0.5	15	0.01	28	0.01	0.01	0.02	0.01	0.02	68	1190	0.17	0.02	16	
BH605	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.01	4	0.01	0.01	0.01	0.01	0.01	0.01	0.5	16	0.01	32	0.01	0.01	0.01	0.01	0.01	41	879	0.17	0.16	12	
BH613R	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.01	7	0.01	0.01	0.01	0.01	0.01	0.01	0.5	21	0.01	16	0.01	0.01	0.01	0.01	0.01	16	894	0.17	0.07	14	
BH617R	Hazardous	Hazardous	HP 7 (Carcinogenic) due to concentartions of lead compounds, HP 14 (Ecotoxic) due to copper oxide, lead compounds and zinc oxide concentrations. Lead compounds and zinc oxide species selected based on the low concentrations of Cr, there is insuficient chromium present for the chromate forms to be present.	0.4	0.02	0.01	0.04	10	0.01	0.12	0.18	0.13	0.13	0.11	3.2	57	0.18	3620	0.01	0.01	0.32	0.01	0.07	1290	2090	0.21	0.01	299	
BH618R	Potentially Hazardous	Non Hazardous	TPH concentrations would not render material hazardous.	0.5	0.13	0.01	0.13	3	0.01	0.43	0.65	0.47	0.36	0.45	0.5	16	0.68	62	0.02	0.01	1.07	0.07	0.37	19	984	0.21	0.13	18	
BH743	Potentially Hazardous	Non Hazardous	TPH concentrations would not render material hazardous.	0.3	0.02	0.01	0.02		0.01	0.16	0.21	0.24	0.16	0.11	0.5	9	0.24	15	0.04	0.01	0.27	0.02	0.14	29		0.42	0.03	8	
BH743[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02		0.01	0.04	0.04	0.05	0.05	0.07	0.5	9	0.06	17	0.04	0.01	0.08	0.01	0.03	6		0.17	0.03	13	
BH763	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	2	0.01	0.04	0.04	0.05	0.05	0.07	0.5	13	0.06	14	0.04	0.01	0.08	0.01	0.03	12	441	0.17	0.03	11	
BH763[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.2	0.01	0.01	0.02	3	0.01	0.04	0.04	0.05	0.05	0.07	0.5	14	0.06	26	0.04	0.01	0.08	0.01	0.03	7	746	0.17	0.03	16	
BH763[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2.9	0.02	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	7	0.06	14	0.04	0.01	0.08	0.01	0.03	4		0.17	0.03	9	
BH763[3]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	3.9	0.01	0.01	0.02	2	0.01	0.04	0.04	0.05	0.05	0.07	0.5	7	0.06	13	0.04	0.01	0.08	0.01	0.03	4		0.17	0.03	9	
BH882R	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate the chromium concentrations would need to be greater than have been reported within this sample. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted. Sample is also initially classified as potentially hazardous for flammability (HP 3), based on BTEX concentrations. These potentially hazardous determinands actually recorded <LOD (grey highlighting) as are discounted. Sample is classified as Non Hazardous, however this will require detailed confirmatory assessment by the receiving waste operator.	0				2	0.01					0.5	11		354		0.01					123		0.17		41	
OT501	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.2	0.06	0.01	0.02	2	0.01	0.14	0.04	0.06	0.07	0.04	0.5	18	0.1	93	0.01	0.01	0.13	0.02	0.04	33	986	0.17	0.02	19	
OT501[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.8	0.01	0.01	0.01	8	0.01	0.01	0.01	0.01	0.01	0.01	0.7	16	0.01	25	0.01	0.01	0.01	0.01	0.01	19	484	0.17	0.01	11	
OT501[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.9	0.03	0.01	0.01	4	0.01	0.01	0.01	0.01	0.01	0.01	0.5	17	0.01	21	0.01	0.01	0.01	0.02	0.01	21	597	0.17	0.01	11	
OT501[3]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.8	0.01	0.01	0.01	5	0.01	0.01	0.01	0.01	0.01	0.01	0.5	18	0.01	15	0.01	0.01	0.01	0.01	0.01	17	602	0.17	0.01	11	
OT501[4]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	3.3	0.01	0.01	0.01	2	0.01	0.01	0.01	0.01	0.01	0.01	0.5	16	0.01	36	0.01	0.01	0.01	0.01	0.01	13	1030	0.17	0.01	17	

Determinand (laboratory concentrations)	Initial Haz-waste Online Classification Result	Revised Classification Result	Justification	Depth	pH	phenanthrene	phenol	pyrene	selenium {selenium compounds (with the exception of cadmium sulfoselenide and sodium selenite)}	toluene	TPH (C6 to C40) petroleum group	xylene	zinc {zinc oxide}
BH520	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	7.8	0.08		0.04	1	0.01	0.1	0.01	52
BH520[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	7.2	0.01		0.01	1	0.01	0.1	0.01	40
BH520[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.6	8	0.15		0.12	1	0.01	0.1	0.01	71
BH520[3]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	8.7	0.02		0.01	1	0.01	0.1	0.01	59
BH524	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	8	0.01		0.03	1	0.01	0.1	0.01	42
BH524[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	8.6	0.01		0.01	2	0.01	0.1	0.01	52
BH526R	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.3	6.6	0.01		0.01	1	0.01	0.1	0.01	76
BH526R[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.8	6.4	0.02		0.01	1	0.01	0.1	0.01	55
BH530	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	7.6	0.02		0.01	1	0.01	0.1	0.01	97
BH605	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.9	0.01		0.01	1	0.01	0.1	0.01	66
BH613R	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.7	0.01		0.01	1	0.01	0.1	0.01	54
BH617R	Hazardous	Hazardous	HP 7 (Carcinogenic) due to concentartions of lead compounds, HP 14 (Ecotoxic) due to copper oxide, lead compounds and zinc oxide concentrations. Lead compounds and zinc oxide species selected based on the low concentrations of Cr, there is insuficient chromium present for the chromate forms to be present.	0.4	7.5	0.22		0.27	3	0.01	0.1	0.01	16100
BH618R	Potentially Hazardous	Non Hazardous	TPH concentrations would not render material hazardous.	0.5	9.3	0.92		0.81	1	0.01	31.4	0.01	175
BH743	Potentially Hazardous	Non Hazardous	TPH concentrations would not render material hazardous.	0.3		0.1		0.27		0.01	29.8	0.01	37
BH743[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1		0.03		0.07		0.01	0.1	0.01	39
BH763	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1		0.03		0.07	1	0.01	0.1	0.01	47
BH763[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.2		0.03		0.07	1	0.01	0.1	0.01	52
BH763[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2.9		0.03		0.07	1	0.01	0.1	0.01	31
BH763[3]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	3.9		0.03		0.07	1	0.01	0.1	0.01	31
BH882R	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate the chromium concentrations would need to be greater than have been reported within this sample. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted. Sample is also initially classified as potentially hazardous for flammability (HP 3), based on BTEX concentrations. These potentially hazardous determinands actually recorded <LOD (grey highlighting) as are discounted. Sample is classified as Non Hazardous, however this will require detailed confirmatory assessment by the receiving waste operator.	0			0.1		1	0.01		0.01	1420
OT501	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.2	8.1	0.14		0.12	1	0.01	0.1	0.01	248
OT501[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.8	6.7	0.01		0.01	2	0.01	0.1	0.01	77
OT501[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.9	6.9	0.05		0.03	1	0.01	0.1	0.01	57
OT501[3]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.8	7.1	0.01		0.01	2	0.01	0.1	0.01	120
OT501[4]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	3.3	7.9	0.01		0.01	2	0.01	0.1	0.01	229

Determinand (laboratory concentrations)	Initial Haz-waste Online Classification Result	Revised Classification Result	Justification	Depth	acenaphthene	acenaphthylene	anthracene	arsenic {arsenic trioxide}	benzene	benzo[a]anthracene	benzo[a]pyrene; benzo[def]chrysene	benzo[b]fluoranthene	benzo[ghi]perylene	benzo[k]fluoranthene	cadmium {cadmium sulfide}	chromium {chromium(III) oxide}	chrysene	copper {copper (I) oxide}	dibenz[a,h]anthracene	ethylbenzene	fluoranthene	fluorene	indeno[123-cd]pyrene	lead {lead compounds}	manganese {manganese dioxide}	mercury {mercury dichloride}	naphthalene	nickel {nickel dihydroxide}	PCBs/PCTs
OT501[5]	Potentially Hazardous	Non Hazardous	TPH concentrations would not render material hazardous.	0.3	0.01	0.01	0.01	2	0.01	0.01	0.01	0.01	0.01	0.01	0.5	30	0.01	47	0.01	0.01	0.01	0.01	0.01	19	836	0.17	0.01	18	
OT502A	Potentially Hazardous	Non Hazardous	TPH concentrations would not render material hazardous.	0.5	0.01	0.03	0.01	10	0.01	0.02	0.03	0.11	0.01	0.02	0.5	19	0.04	62	0.01	0.01	0.03	0.06	0.01	28	1210	0.17	0.06	21	
OT502A[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.8	0.01	0.01	0.01	5	0.01	0.01	0.01	0.01	0.01	0.01	0.5	17	0.01	47	0.01	0.01	0.01	0.01	0.01	24	1060	0.17	0.01	18	
OT502B	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.01	1	0.01	0.01	0.01	0.01	0.01	0.01	0.5	13	0.01	30	0.01	0.01	0.01	0.01	0.01	7	927	0.17	0.01	16	
OT502B[1]	Potentially Hazardous	Non Hazardous	TPH concentrations would not render material hazardous.	0.9	0.01	0.01	0.01	2	0.01	0.01	0.01	0.01	0.01	0.01	0.5	16	0.01	28	0.01	0.01	0.01	0.01	0.01	11	1180	0.17	0.02	18	
OT502B[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.3	0.01	0.01	0.01	3	0.01	0.01	0.01	0.01	0.01	0.01	0.5	16	0.01	21	0.01	0.01	0.02	0.02	0.01	12	1190	0.17	0.01	18	
OT502C	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.01	1	0.01	0.01	0.01	0.01	0.01	0.01	0.5	14	0.01	11	0.01	0.01	0.01	0.01	0.01	5	1080	0.17	0.01	17	
OT502C[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.9	0.01	0.01	0.01	1	0.01	0.01	0.01	0.01	0.01	0.01	0.5	18	0.01	30	0.01	0.01	0.01	0.01	0.01	13	1290	0.17	0.01	20	
OT502C[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.4	0.01	0.01	0.01	5	0.01	0.01	0.01	0.01	0.01	0.01	0.5	20	0.01	25	0.01	0.01	0.01	0.01	0.01	15	505	0.17	0.01	14	
OT503B	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.6	0.01	0.01	0.01	4	0.01	0.01	0.01	0.01	0.01	0.01	0.5	15	0.01	12	0.01	0.01	0.01	0.01	0.01	14	893	0.17	0.01	10	
OT503B[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.9	0.03	0.01	0.01	3	0.01	0.01	0.01	0.01	0.01	0.01	0.5	18	0.01	27	0.01	0.01	0.01	0.02	0.01	11	924	0.17	0.01	18	
OT503B[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	3	0.03	0.01	0.01	3	0.01	0.02	0.01	0.01	0.01	0.01	0.5	12	0.04	17	0.01	0.01	0.05	0.02	0.01	9	892	0.17	0.01	13	
OT613	Hazardous	Hazardous	HP 7 (Carcinogenic) and HP 11 (Mutagenic) due to TPH concentrations exceeding 1000mg/kg	1.2	0.09	0.12	0.17		0.01	0.02	0.08	0.07	0.04	0.04			0.01		0.04	0.01	0.01	0.19	0.07				0.04		
TP571	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.3	0.02	0.01	0.01	8	0.01	0.01	0.02	0.01	0.01	0.01	0.5	23	0.01	30	0.01	0.01	0.01	0.01	0.02	8	1150	0.17	0.01	26	
TP571[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.03	0.01	0.01	7	0.01	0.01	0.02	0.01	0.01	0.02	0.5	23	0.01	28	0.01	0.01	0.01	0.01	0.01	7	950	0.17	0.17	24	
TP571[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2.7	0.01	0.01	0.01	7	0.01	0.01	0.02	0.01	0.01	0.02	0.5	21	0.01	39	0.01	0.01	0.01	0.01	0.01	8	964	0.17	0.01	22	
TP572	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.3	0.01	0.01	0.01	6	0.01	0.01	0.05	0.02	0.01	0.05	0.5	19	0.01	12	0.01	0.01	0.01	0.01	0.01	16	571	0.17	0.04	10	
TP572[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.2	0.01	0.01	0.01	7	0.01	0.02	0.01	0.01	0.01	0.01	0.5	22	0.01	17	0.01	0.01	0.01	0.01	0.02	16	864	0.17	0.04	12	
TP573	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.9	0.01	0.01	0.01	5	0.01	0.01	0.06	0.01	0.01	0.01	0.5	28	0.01	23	0.03	0.01	0.01	0.01	0.01	9	704	0.17	0.02	17	
TP573[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.2	0.08	0.03	0.01	6	0.01	0.01	0.02	0.03	0.01	0.03	0.5	21	0.01	14	0.01	0.01	0.01	0.03	0.01	19	786	0.17	0.17	10	
TP574	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.2	0.01	0.01	0.01	4	0.01	0.01	0.07	0.05	0.02	0.04	0.5	20	0.01	23	0.01	0.01	0.01	0.01	0.02	12	989	0.17	0.01	15	
TP574[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.01	4	0.01	0.01	0.03	0.06	0.01	0.04	0.5	17	0.02	29	0.01	0.01	0.02	0.01	0.01	11	670	0.17	0.01	15	
TP574[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.9				2	0.01						0.5	12		18		0.01				4	1000	0.17		15	
TP575	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.3	0.04	0.01	0.02	7	0.01	0.02	0.01	0.04	0.02	0.04	0.5	20	0.01	20	0.01	0.01	0.2	0.01	0.01	22	971	0.17	0.02	10	
TP575[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.6	0.01	0.01	0.01	5	0.01	0.01	0.02	0.01	0.01	0.01	0.5	18	0.01	11	0.01	0.01	0.01	0.01	0.01	12	400	0.17	0.01	10	
TP576	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	0.02	0.01	0.01	3	0.01	0.02	0.01	0.01	0.03	0.01	0.5	12	0.01	57	0.04	0.01	0.01	0.01	0.01	22	823	0.17	0.02	15	
TP576[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.3	0.01	0.01	0.01	1	0.01	0.01	0.01	0.01	0.01	0.01	0.5	14	0.01	36	0.01	0.01	0.01	0.01	0.01	3	944	0.17	0.01	16	
TP577	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.3	0.01	0.01	0.01	5	0.01	0.01	0.01	0.01	0.01	0.01	0.5	8	0.02	28	0.01	0.01	0.01	0.01	0.01	14	907	0.17	0.03	11	

Determinand (laboratory concentrations)	Initial Haz-waste Online Classification Result	Revised Classification Result	Justification	Depth	pH	phenanthrene	phenol	pyrene	selenium {selenium compounds (with the exception of cadmium sulfoselenide and sodium selenite)}	toluene	TPH (C6 to C40) petroleum group	xylene	zinc {zinc oxide}
OT501[5]	Potentially Hazardous	Non Hazardous	TPH concentrations would not render material hazardous.	0.3	8	0.01		0.01	1	0.01	35.9	0.01	88
OT502A	Potentially Hazardous	Non Hazardous	TPH concentrations would not render material hazardous.	0.5	8.7	0.06		0.03	2	0.01	76.3	0.01	141
OT502A[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.8	8.7	0.01		0.01	1	0.01	0.1	0.01	115
OT502B	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	8.8	0.01		0.01	1	0.01	0.1	0.01	86
OT502B[1]	Potentially Hazardous	Non Hazardous	TPH concentrations would not render material hazardous.	0.9	10.7	0.02		0.01	1	0.01	1.3	0.01	137
OT502B[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.3	8.3	0.05		0.03	1	0.01	0.1	0.01	107
OT502C	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	8.8	0.01		0.01	1	0.01	0.1	0.01	85
OT502C[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.9	8.9	0.01		0.01	2	0.01	0.1	0.01	136
OT502C[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.4	6.6	0.01		0.01	2	0.01	0.1	0.01	114
OT503B	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.6	7.9	0.01		0.01	2	0.01	0.1	0.01	43
OT503B[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.9	8.2	0.01		0.01	2	0.01	0.1	0.01	118
OT503B[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	3	7.6	0.07		0.06	1	0.01	0.1	0.01	109
OT613	Hazardous	Hazardous	HP 7 (Carcinogenic) and HP 11 (Mutagenic) due to TPH concentrations exceeding 1000mg/kg	1.2		0.48		0.01		0.01	1130	0.01	
TP571	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.3	8.2	0.01		0.01	2	0.01	0.1	0.01	48
TP571[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	8.1	0.01		0.01	1	0.01	0.1	0.01	51
TP571[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2.7	8.7	0.01		0.01	1	0.01	0.1	0.01	58
TP572	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.3	7.3	0.01		0.02	1	0.01	0.1	0.01	38
TP572[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.2		0.01		0.01	1	0.01	0.1	0.01	54
TP573	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.9		0.01		0.01	1	0.01	0.1	0.01	48
TP573[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.2	7.2	0.03		0.02	2	0.01	0.1	0.01	44
TP574	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.2		0.01		0.01	1	0.01	0.1	0.01	70
TP574[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	7.7	0.01		0.01	1	0.01	0.1	0.01	156
TP574[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.9	7.8				1	0.01	0.1	0.01	59
TP575	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.3		0.15		0.27	1	0.01	0.1	0.01	63
TP575[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.6	7.6	0.01		0.01	1	0.01	0.1	0.01	31
TP576	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	8.6	0.01		0.01	1	0.01	0.1	0.01	169
TP576[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.3	8.6	0.02		0.01	1	0.01	0.1	0.01	81
TP577	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.3	7	0.01		0.01	1	0.01	0.1	0.01	47

Determinand (laboratory concentrations)	Initial Haz-waste Online Classification Result	Revised Classification Result	Justification	Depth	acenaphthene	acenaphthylene	anthracene	arsenic {arsenic trioxide}	benzene	benzo[a]anthracene	benzo[a]pyrene; benzo[def]chrysene	benzo[b]fluoranthene	benzo[ghi]perylene	benzo[k]fluoranthene	cadmium {cadmium sulfide}	chromium {chromium(III) oxide}	chrysene	copper {copper (I) oxide}	dibenz[a,h]anthracene	ethylbenzene	fluoranthene	fluorene	indeno[123-cd]pyrene	lead {lead compounds}	manganese {manganese dioxide}	mercury {mercury dichloride}	naphthalene	nickel {nickel dihydroxide}	PCBs/PCTs
TP577[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.7	0.01	0.01	0.01	1	0.01	0.01	0.03	0.02	0.03	0.01	0.5	12	0.02	27	0.03	0.01	0.04	0.01	0.01	3	898	0.17	0.03	13	
TP578	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	0.01	0.01	0.01	4	0.01	0.01	0.01	0.01	0.01	0.01	0.5	16	0.01	15	0.01	0.01	0.01	0.01	0.01	15	566	0.17	0.01	9	
TP578[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.5	0.01	0.01	0.01	5	0.01	0.01	0.01	0.01	0.01	0.01	0.5	15	0.01	12	0.01	0.01	0.01	0.01	0.01	14	504	0.17	0.02	11	
TP579	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.8	0.01	0.01	0.01	2	0.01	0.04	0.05	0.01	0.04	0.01	0.5	12	0.05	28	0.01	0.01	0.04	0.01	0.01	6	918	0.17	0.01	14	
TP579[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2.1	0.01	0.01	0.01	5	0.01	0.02	0.02	0.01	0.01	0.01	0.5	12	0.02	28	0.01	0.01	0.02	0.01	0.01	19	961	0.17	0.01	14	
TP580	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.1	0.01	0.01	0.01	1	0.01	0.02	0.03	0.02	0.01	0.01	0.5	10	0.01	19	0.01	0.01	0.01	0.01	0.02	2	999	0.17	0.01	12	
TP580[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2.2				3	0.01						0.5	15		21		0.01				10	1100	0.17		16	
TP700/1	Hazardous	Hazardous	HP 14 (Ecotoxic) based on zinc oxide concentrations. Zinc oxide species selected based on the low concentrations of Cr, there is insufficient chromium present for the chromate form to be present.	0.3	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.9	11	0.06	604	0.04	0.01	0.08	0.01	0.03	206	785	0.17	0.03	66	
TP700/1[1]	Hazardous	Hazardous	HP 14 (Ecotoxic) based on zinc oxide concentrations. Zinc oxide species selected based on the low concentrations of Cr, there is insufficient chromium present for the chromate form to be present.	0.95	0.11	0.01	0.19	17	0.01	0.71	0.93	1.11	0.7	0.52	4.5	32	0.8	753	0.18	0.01	1.3	0.1	0.69	742	773	0.51	0.08	84	
TP700/1[2]	Hazardous	Hazardous	HP 7 (Carcinogenic) due to lead compounds, H10 (Toxic for reproduction) lead compounds, HP 14 (Ecotoxic) copper (I) oxide, zinc oxide and lead compounds. Lead compounds and zinc oxide species selected based on the low concentrations of Cr, there is insufficient chromium present for the chromate forms to be present.	2	0.01	0.01	0.04	23	0.01	0.31	0.59	0.68	0.44	0.26	5.1	87	0.37	1730	0.1	0.01	0.48	0.01	0.43	3190	696	0.32	0.03	63	
TP700/10	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	5	0.06	14	0.04	0.01	0.08	0.01	0.03	4	425	0.17	0.03	6	
TP700/10[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.4	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	16	0.06	27	0.04	0.01	0.08	0.01	0.03	16	233	0.17	0.03	11	
TP700/11	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.02	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.7	11	0.06	29	0.04	0.01	0.08	0.01	0.03	8	640	0.18	0.03	12	
TP700/11[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	4	0.01	0.05	0.05	0.09	0.05	0.07	0.8	14	0.06	21	0.04	0.01	0.08	0.01	0.04	25	650	0.17	0.03	14	
TP700/11[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.7	10	0.06	10	0.04	0.01	0.08	0.01	0.03	3	654	0.17	0.03	14	
TP700/12	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.6	8	0.06	26	0.04	0.01	0.08	0.01	0.03	12	499	0.17	0.03	10	
TP700/12[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	4	0.01	0.04	0.04	0.05	0.05	0.07	0.8	12	0.06	33	0.04	0.01	0.08	0.01	0.03	70	765	0.25	0.03	13	
TP700/12[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.3	0.01	0.01	0.02	2	0.01	0.04	0.04	0.05	0.05	0.07	0.5	8	0.06	10	0.04	0.01	0.08	0.01	0.03	12	474	0.17	0.03	5	
TP700/13	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.8	11	0.06	23	0.04	0.01	0.08	0.01	0.03	6	699	0.17	0.03	14	
TP700/13[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.7	10	0.06	23	0.04	0.01	0.08	0.01	0.03	6	716	0.17	0.03	13	
TP700/14	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.3	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.6	19	0.06	24	0.04	0.01	0.08	0.01	0.03	6	566	0.17	0.03	13	
TP700/14[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.75	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.8	21	0.06	33	0.04	0.01	0.08	0.01	0.03	8	706	0.17	0.03	15	
TP700/15	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	3	0.01	0.04	0.04	0.05	0.05	0.07	0.5	9	0.06	7	0.04	0.01	0.08	0.01	0.03	6	969	0.17	0.03	6	
TP700/15[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	3	0.01	0.04	0.04	0.05	0.05	0.07	0.5	8	0.06	10	0.04	0.01	0.08	0.01	0.03	5	211	0.17	0.03	5	
TP700/16	Hazardous	Hazardous	HP 14 (Ecotoxic) copper (I) oxide and zinc oxide . Zinc oxide species selected based on the low concentrations of Cr, there is insufficient chromium present for the chromate form to be present.	0.3	0.07	0.01	0.13	3	0.01	0.47	0.68	0.57	0.29	0.4	1.1	24	0.56	911	0.06	0.01	0.72	0.05	0.3	525	684	0.17	0.03	48	
TP700/17	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.7	13	0.07	111	0.04	0.01	0.09	0.01	0.03	85	642	0.17	0.03	12	
TP700/17[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	3	0.01	0.04	0.04	0.05	0.05	0.07	0.7	10	0.06	18	0.04	0.01	0.08	0.01	0.03	8	570	0.17	0.03	13	

Determinand (laboratory concentrations)	Initial Haz-waste Online Classification Result	Revised Classification Result	Justification	Depth	pH	phenanthrene	phenol	pyrene	selenium {selenium compounds (with the exception of cadmium sulfoselenide and sodium selenite)}	toluene	TPH (C6 to C40) petroleum group	xylene	zinc {zinc oxide}
TP577[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.7	8.4	0.04		0.03	1	0.01	0.1	0.01	72
TP578	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	7.2	0.01		0.01	1	0.01	0.1	0.01	32
TP578[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.5	6.9	0.01		0.01	1	0.01	0.1	0.01	32
TP579	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.8	8.4	0.03		4.18	1	0.01	0.1	0.01	79
TP579[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2.1	8.5	0.01		0.02	1	0.01	0.1	0.01	142
TP580	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.1	8.5	0.01		0.01	1	0.01	0.1	0.01	71
TP580[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2.2	7.4				1	0.01	0.1	0.01	43
TP700/1	Hazardous	Hazardous	HP 14 (Ecotoxic) based on zinc oxide concentrations. Zinc oxide species selected based on the low concentrations of Cr, there is insufficient chromium present for the chromate form to be present.	0.3	8.9	0.03	0.1	0.07	1	0.01		0.01	3120
TP700/1[1]	Hazardous	Hazardous	HP 14 (Ecotoxic) based on zinc oxide concentrations. Zinc oxide species selected based on the low concentrations of Cr, there is insufficient chromium present for the chromate form to be present.	0.95	8.68	0.77	0.1	1.13	1	0.01		0.01	4170
TP700/1[2]	Hazardous	Hazardous	HP 7 (Carcinogenic) due to lead compounds, H10 (Toxic for reproduction) lead compounds, HP 14 (Ecotoxic) copper (I) oxide, zinc oxide and lead compounds. Lead compounds and zinc oxide species selected based on the low concentrations of Cr, there is insufficient chromium present for the chromate forms to be present.	2	8.77	0.14	0.1	0.52	1	0.01		0.01	3990
TP700/10	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	8.44	0.03	0.1	0.07	1	0.01		0.01	37
TP700/10[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.4	6.68	0.03		0.07	1	0.01		0.01	95
TP700/11	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	8.45	0.03		0.07	1	0.01		0.01	78
TP700/11[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	8.49	0.03		0.07	1	0.01		0.01	82
TP700/11[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2	8.32	0.03		0.07	1	0.01		0.01	65
TP700/12	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	8.2	0.03		0.07	1	0.01		0.01	67
TP700/12[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	8.92	0.03	0.1	0.07	1	0.01		0.01	72
TP700/12[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.3	6.32	0.03	0.1	0.07	1	0.01		0.01	41
TP700/13	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.32	0.03		0.07	1	0.01		0.01	59
TP700/13[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	6.69	0.03		0.07	1	0.01		0.01	76
TP700/14	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.3	8.44	0.03		0.07	1	0.01		0.01	47
TP700/14[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.75	8.66	0.03	0.1	0.07	1	0.01		0.01	56
TP700/15	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.64	0.03		0.07	1	0.01		0.01	24
TP700/15[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	7.02	0.03		0.07	1	0.01		0.01	17
TP700/16	Hazardous	Hazardous	HP 14 (Ecotoxic) copper (I) oxide and zinc oxide . Zinc oxide species selected based on the low concentrations of Cr, there is insufficient chromium present for the chromate form to be present.	0.3	8.12	0.3		0.8	1	0.01		0.01	1190
TP700/17	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	8.13	0.03		0.09	1	0.01		0.01	65
TP700/17[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	7.64	0.03		0.07	1	0.01		0.01	39

Determinand (laboratory concentrations)	Initial Haz-waste Online Classification Result	Revised Classification Result	Justification	Depth	acenaphthene	acenaphthylene	anthracene	arsenic {arsenic trioxide}	benzene	benzo[a]anthracene	benzo[a]pyrene; benzo[def]chrysene	benzo[b]fluoranthene	benzo[ghi]perylene	benzo[k]fluoranthene	cadmium {cadmium sulfide}	chromium {chromium(III) oxide}	chrysene	copper {copper (I) oxide}	dibenz[a,h]anthracene	ethylbenzene	fluoranthene	fluorene	indeno[123-cd]pyrene	lead {lead compounds}	manganese {manganese dioxide}	mercury {mercury dichloride}	naphthalene	nickel {nickel dihydroxide}	PCBs/PCTs
TP700/17[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.3	0.01	0.01	0.02	5	0.01	0.04	0.04	0.05	0.05	0.07	0.8	14	0.06	22	0.04	0.01	0.08	0.01	0.03	6	575	0.17	0.03	15	
TP700/18	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	0.01	0.01	0.02	6	0.01	0.04	0.04	0.05	0.05	0.07	0.8	14	0.06	21	0.04	0.01	0.08	0.01	0.03	23	748	0.17	0.03	13	
TP700/18[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	2	0.01	0.04	0.04	0.06	0.05	0.07	0.8	12	0.06	24	0.04	0.01	0.08	0.01	0.03	14	759	0.17	0.03	14	
TP700/19	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	2	0.01	0.04	0.04	0.05	0.05	0.07	0.7	15	0.06	32	0.04	0.01	0.08	0.01	0.03	9	1040	0.17	0.03	16	
TP700/19[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.02	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.7	18	0.06	41	0.04	0.01	0.08	0.01	0.03	10	804	0.17	0.03	20	
TP700/2	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.3	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.7	8	0.06	9	0.04	0.01	0.08	0.01	0.03	2	549	0.17	0.03	11	
TP700/2[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.85	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.7	10	0.06	23	0.04	0.01	0.08	0.01	0.03	9	583	0.17	0.03	12	
TP700/20	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	3	0.01	0.04	0.04	0.05	0.05	0.07	0.5	12	0.06	11	0.04	0.01	0.08	0.01	0.03	6	356	0.17	0.03	11	
TP700/22	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	0.01	0.01	0.02	3	0.01	0.08	0.04	0.05	0.05	0.07	0.6	11	0.06	49	0.04	0.01	0.08	0.01	0.03	210	580	0.17	0.03	14	
TP700/22[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.7	0.02	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.7	9	0.06	31	0.04	0.01	0.08	0.02	0.03	63	644	0.17	0.03	12	
TP700/23	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	6	0.01	0.04	0.04	0.05	0.05	0.07	0.5	17	0.06	12	0.04	0.01	0.08	0.01	0.03	12	245	0.28	0.03	14	
TP700/23[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.3	0.01	0.01	0.02	8	0.01	0.04	0.04	0.05	0.05	0.07	0.6	16	0.06	36	0.04	0.01	0.08	0.01	0.03	82	619	0.17	0.03	12	
TP700/23A	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	6	0.01	0.04	0.04	0.05	0.05	0.07	0.5	8	0.06	13	0.04	0.01	0.08	0.01	0.03	70	427	0.73	0.03	6	
TP700/23A[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	5	0.01	0.04	0.04	0.05	0.05	0.07	0.8	9	0.06	16	0.04	0.01	0.08	0.01	0.03	90	653	0.27	0.03	6	
TP700/24	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.1	0.01	0.01	0.02	13	0.01	0.04	0.04	0.05	0.05	0.07	0.8	14	0.06	42	0.04	0.01	0.08	0.01	0.03	181	1020	0.19	0.03	10	
TP700/24[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	4	0.01	0.04	0.04	0.05	0.05	0.07	0.5	12	0.06	11	0.04	0.01	0.08	0.01	0.03	16	748	0.19	0.03	10	
TP700/27	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.3	0.03	0.01	0.02	5	0.01	0.04	0.04	0.05	0.05	0.07	0.6	13	0.06	13	0.04	0.01	0.08	0.01	0.03	13	1190	0.17	0.03	11	
TP700/27[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.8	0.01	0.01	0.02	2	0.01	0.04	0.04	0.05	0.05	0.07	0.5	14	0.06	11	0.04	0.01	0.08	0.01	0.03	11	408	0.17	0.03	10	
TP700/28	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	6	0.01	0.04	0.04	0.05	0.05	0.07	0.5	15	0.06	17	0.04	0.01	0.08	0.01	0.03	16	564	0.17	0.03	12	
TP700/28[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	3	0.01	0.04	0.04	0.05	0.05	0.07	0.5	19	0.06	17	0.04	0.01	0.08	0.01	0.03	22	328	0.17	0.03	11	
TP700/29	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	5	0.01	0.04	0.04	0.05	0.05	0.07	0.5	10	0.06	21	0.04	0.01	0.08	0.01	0.03	7	672	0.17	0.03	14	
TP700/3	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.6	14	0.06	34	0.04	0.01	0.08	0.01	0.03	13	432	0.17	0.03	12	
TP700/3[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.95	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.9	22	0.06	40	0.04	0.01	0.08	0.01	0.03	9	716	0.17	0.03	25	
TP700/39	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	2	0.01	0.04	0.04	0.05	0.05	0.07	0.5	9	0.06	14	0.04	0.01	0.08	0.01	0.03	8	636	0.17	0.03	11	
TP700/49	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.02	0.01	0.06	4	0.01	0.27	0.3	0.26	0.16	0.13	0.7	11	0.38	22	0.04	0.01	0.53	0.01	0.13	27	581	0.17	0.03	11	
TP700/5	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.2	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	14	0.06	11	0.04	0.01	0.08	0.01	0.03	6	407	0.17	0.03	13	
TP700/5[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.8	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.6	11	0.06	17	0.04	0.01	0.08	0.01	0.03	3	362	0.17	0.03	11	
TP700/6	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.3	0.01	0.01	0.02	9	0.01	0.04	0.04	0.05	0.05	0.07	0.7	14	0.06	18	0.04	0.01	0.08	0.01	0.03	13	513	0.17	0.03	12	

Determinand (laboratory concentrations)	Initial Haz-waste Online Classification Result	Revised Classification Result	Justification	Depth	pH	phenanthrene	phenol	pyrene	selenium {selenium compounds (with the exception of cadmium sulfoselenide and sodium selenite)}	toluene	TPH (C6 to C40) petroleum group	xylene	zinc {zinc oxide}
TP700/17[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.3	7.34	0.03		0.07	1	0.01		0.01	42
TP700/18	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	7.07	0.03		0.07	1	0.01		0.01	44
TP700/18[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	7.83	0.03		0.07	1	0.01		0.01	62
TP700/19	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.99	0.03		0.07	1	0.01		0.01	69
TP700/19[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	7.77	0.03		0.07	1	0.01		0.01	75
TP700/2	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.3	8.51	0.03	0.1	0.07	1	0.01		0.01	52
TP700/2[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.85	8.8	0.03		0.07	1	0.01		0.01	73
TP700/20	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.89	0.03		0.07	1	0.01		0.01	28
TP700/22	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	7.29	0.03	0.1	0.07	1	0.01		0.01	221
TP700/22[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.7	7.8	0.03		0.07	1	0.01		0.01	92
TP700/23	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	7.86	0.03		0.07	1	0.01		0.01	47
TP700/23[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.3	7.78	0.03	0.1	0.07	1	0.01		0.01	146
TP700/23A	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	8.48	0.03	0.1	0.07	1	0.01		0.01	191
TP700/23A[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	7.58	0.03	0.1	0.07	1	0.01		0.01	58
TP700/24	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.1	6.3	0.03	0.1	0.07	1	0.01		0.01	119
TP700/24[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.92	0.03		0.07	1	0.01		0.01	37
TP700/27	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.3	7.62	0.03		0.07	1	0.01		0.01	39
TP700/27[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.8	6.95	0.03		0.07	1	0.01		0.01	39
TP700/28	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.47	0.03		0.07	1	0.01		0.01	37
TP700/28[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	6.46	0.03		0.07	1	0.01		0.01	51
TP700/29	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	7.2	0.03		0.07	1	0.01		0.01	34
TP700/3	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	7.68	0.03		0.07	1	0.01		0.01	67
TP700/3[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.95	7.8	0.03	0.1	0.07	1	0.01		0.01	91
TP700/39	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5		0.03		0.07	1	0.01		0.01	43
TP700/49	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	8.39	0.35	0.1	0.74	1	0.01		0.01	61
TP700/5	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.2	7.31	0.03		0.07	1	0.01		0.01	47
TP700/5[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.8	8.28	0.03	0.1	0.07	1	0.01		0.01	43
TP700/6	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.3	8.03	0.03		0.07	1	0.01		0.01	67

Determinand (laboratory concentrations)	Initial Haz-waste Online Classification Result	Revised Classification Result	Justification	Depth	acenaphthene	acenaphthylene	anthracene	arsenic {arsenic trioxide}	benzene	benzo[a]anthracene	benzo[a]pyrene; benzo[def]chrysene	benzo[b]fluoranthene	benzo[ghi]perylene	benzo[k]fluoranthene	cadmium {cadmium sulfide}	chromium {chromium(III) oxide}	chrysene	copper {copper (I) oxide}	dibenz[a,h]anthracene	ethylbenzene	fluoranthene	fluorene	indeno[123-cd]pyrene	lead {lead compounds}	manganese {manganese dioxide}	mercury {mercury dichloride}	naphthalene	nickel {nickel dihydroxide}	PCBs/PCTs
TP700/I6[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.8	0.01	0.01	0.02	6	0.01	0.04	0.04	0.05	0.05	0.07	0.5	11	0.06	17	0.04	0.01	0.08	0.01	0.03	10	429	0.17	0.03	10	
TP700/7	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	0.01	0.01	0.03	1	0.01	0.06	0.05	0.05	0.05	0.07	0.6	9	0.06	18	0.04	0.01	0.13	0.02	0.03	7	619	0.17	0.03	10	
TP700/7[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.9	0.04	0.01	0.14	2	0.01	0.21	0.2	0.2	0.12	0.17	0.7	12	0.23	22	0.04	0.01	0.6	0.05	0.11	11	984	0.17	0.03	12	
TP700/I8	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	8	0.06	9	0.04	0.01	0.08	0.01	0.03	3	506	0.17	0.03	8	
TP700/9	Hazardous	Hazardous	HP 7 (Carcinogenic) due to lead compounds HP 14 (Ecotoxic) copper (I) oxide, lead compounds zinc oxide. Lead compounds and zinc oxide species selected based on the low concentrations of Cr, there is insufficient chromium present for the chromate forms to be present.	0.4	0.01	0.01	0.02	10	0.01	0.04	0.04	0.05	0.05	0.07	2.3	44	0.06	2310	0.04	0.01	0.08	0.01	0.03	1030	1390	0.17	0.03	204	
TP700/9[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.8	0.01	0.01	0.02	10	0.01	0.04	0.04	0.05	0.05	0.07	1	10	0.06	29	0.04	0.01	0.08	0.01	0.03	18	1620	0.17	0.03	29	
TP700/9[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.5	0.01	0.01	0.02	5	0.01	0.04	0.04	0.05	0.05	0.07	0.7	8	0.06	27	0.04	0.01	0.08	0.01	0.03	7	1500	0.17	0.03	19	
TP800/I01	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	13	0.06	14	0.04	0.01	0.08	0.01	0.03	5	597	0.17	0.03	20	
TP800/I01[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.5	0.01	0.01	0.02	2	0.01	0.04	0.04	0.05	0.05	0.07	0.5	11	0.06	15	0.04	0.01	0.08	0.01	0.03	6	705	0.17	0.03	13	
TP800/I02	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	5	0.01	0.04	0.04	0.05	0.05	0.07	0.5	11	0.06	18	0.04	0.01	0.08	0.01	0.03	14	557	0.17	0.03	11	
TP800/I02[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	4	0.06	12	0.04	0.01	0.08	0.01	0.03	2	369	0.17	0.03	6	
TP800/I03	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	3	0.01	0.04	0.04	0.05	0.05	0.07	0.5	8	0.06	7	0.04	0.01	0.08	0.01	0.03	6	295	0.17	0.03	5	
TP800/I04	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	7	0.01	0.04	0.04	0.05	0.05	0.07	0.5	18	0.06	20	0.04	0.01	0.08	0.01	0.03	9	722	0.17	0.03	12	
TP800/I04[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	12	0.06	17	0.04	0.01	0.08	0.01	0.03	9	575	0.17	0.03	9	
TP800/I05	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	3	0.01	0.04	0.04	0.05	0.05	0.07	0.5	11	0.06	12	0.04	0.01	0.08	0.01	0.03	14	578	0.17	0.03	11	
TP800/I05[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	9	0.06	16	0.04	0.01	0.08	0.01	0.03	6	719	0.17	0.03	12	
TP800/I06	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	6	0.01	0.04	0.04	0.05	0.05	0.07	0.5	21	0.06	15	0.04	0.01	0.08	0.01	0.03	10	866	0.17	0.03	22	
TP800/I07	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	9	0.06	6	0.04	0.01	0.08	0.01	0.03	5	1200	0.17	0.03	9	
TP800/I08	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	4	0.01	0.04	0.04	0.05	0.05	0.07	0.5	11	0.06	18	0.04	0.01	0.08	0.01	0.03	7	569	0.17	0.03	13	
TP800/I09	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	7	0.06	7	0.04	0.01	0.08	0.01	0.03	7	99	0.17	0.03	4	
TP800/I10	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	4	0.01	0.04	0.04	0.05	0.05	0.07	0.5	13	0.06	13	0.04	0.01	0.08	0.01	0.03	6	474	0.17	0.03	12	
TP800/I11	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	5	0.01	0.04	0.04	0.05	0.05	0.07	0.5	12	0.06	18	0.04	0.01	0.08	0.01	0.03	14	620	0.17	0.03	12	
TP800/I12	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	6	0.01	0.04	0.04	0.05	0.05	0.07	0.5	12	0.06	20	0.04	0.01	0.08	0.01	0.03	14	712	0.17	0.03	14	
TP800/I13	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	4	0.01	0.04	0.04	0.05	0.05	0.07	0.5	10	0.06	18	0.04	0.01	0.08	0.01	0.03	5	505	0.17	0.03	12	
TP800/I14	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	14	0.06	22	0.04	0.01	0.08	0.01	0.03	6	215	0.17	0.03	12	
TP800/I15	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	3	0.01	0.04	0.04	0.05	0.05	0.07	0.5	15	0.06	7	0.04	0.01	0.08	0.01	0.03	8	321	0.17	0.03	12	
TP800/I16	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	7	0.06	15	0.04	0.01	0.08	0.01	0.03	8	527	0.17	0.03	7	
TP800/I16[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	4	0.06	9	0.04	0.01	0.08	0.01	0.03	1	396	0.17	0.03	5	
TP800/I16[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	5	0.06	11	0.04	0.01	0.08	0.01	0.03	3	508	0.17	0.03	7	
TP800/I16[3]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	3	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	8	0.06	16	0.04	0.01	0.08	0.01	0.03	2	502	0.17	0.03	8	

Determinand (laboratory concentrations)	Initial Haz-waste Online Classification Result	Revised Classification Result	Justification	Depth	pH	phenanthrene	phenol	pyrene	selenium {selenium compounds (with the exception of cadmium sulfoselenide and sodium selenite)}	toluene	TPH (C6 to C40) petroleum group	xylene	zinc {zinc oxide}
TP700/6[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.8	8	0.03		0.07	1	0.01		0.01	54
TP700/7	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	8.04	0.11	0.1	0.1	1	0.01		0.01	58
TP700/7[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.9	7.57	0.46		0.49	1	0.01		0.01	66
TP700/8	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	8.14	0.03		0.07	1	0.01		0.01	36
TP700/9	Hazardous	Hazardous	HP 7 (Carcinogenic) due to lead compounds HP 14 (Ecotoxic) copper (I) oxide, lead compounds zinc oxide. Lead compounds and zinc oxide species selected based on the low concentrations of Cr, there is insufficient chromium present for the chromate forms to be present.	0.4	7.43	0.03		0.07	2	0.01		0.01	10400
TP700/9[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.8	7.59	0.03	0.1	0.07	1	0.01		0.01	154
TP700/9[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.5	8	0.03	0.1	0.07	2	0.01		0.01	59
TP800/01	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.51	0.03	0.1	0.07	1	0.01		0.01	34
TP800/01[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.5	6.16	0.03	0.1	0.07	1	0.01		0.01	36
TP800/02	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	7.71	0.03	0.1	0.07	1	0.01		0.01	47
TP800/02[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	8.38	0.03	0.1	0.07	1	0.01		0.01	33
TP800/03	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.47	0.03		0.07	1	0.01		0.01	33
TP800/04	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	8.18	0.03	0.1	0.07	1	0.01		0.01	55
TP800/04[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	8.21	0.03	0.1	0.07	1	0.01		0.01	58
TP800/05	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.44	0.03	0.1	0.07	1	0.01		0.01	53
TP800/05[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	6.6	0.03	0.1	0.07	1	0.01		0.01	48
TP800/06	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	7.57	0.03		0.07	1	0.01		0.01	39
TP800/07	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	7.03	0.03		0.07	1	0.01		0.01	23
TP800/08	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	7.13	0.03		0.07	1	0.01		0.01	34
TP800/09	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.05	0.03		0.07	1	0.01		0.01	17
TP800/10	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.41	0.03		0.07	1	0.01		0.01	38
TP800/11	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.23	0.03		0.07	2	0.01		0.01	39
TP800/12	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	6.84	0.03		0.07	1	0.01		0.01	41
TP800/13	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	7.32	0.03		0.07	1	0.01		0.01	31
TP800/14	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	7.4	0.03		0.07	1	0.01		0.01	33
TP800/15	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.29	0.03		0.07	1	0.01		0.01	38
TP800/16	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	8.12	0.03	0.1	0.07	1	0.01		0.01	47
TP800/16[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	8.72	0.03	0.1	0.07	1	0.01		0.01	27
TP800/16[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2	8.53	0.03	0.1	0.07	1	0.01		0.01	30
TP800/16[3]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	3	9.15	0.03	0.1	0.07	1	0.01		0.01	44

Determinand (laboratory concentrations)	Initial Haz-waste Online Classification Result	Revised Classification Result	Justification	Depth	acenaphthene	acenaphthylene	anthracene	arsenic {arsenic trioxide}	benzene	benzo[a]anthracene	benzo[a]pyrene; benzo[def]chrysene	benzo[b]fluoranthene	benzo[ghi]perylene	benzo[k]fluoranthene	cadmium {cadmium sulfide}	chromium {chromium(III) oxide}	chrysene	copper {copper (I) oxide}	dibenz[a,h]anthracene	ethylbenzene	fluoranthene	fluorene	indeno[123-cd]pyrene	lead {lead compounds}	manganese {manganese dioxide}	mercury {mercury dichloride}	naphthalene	nickel {nickel dihydroxide}	PCBs/PCTs
TP800/17	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate the chromium concentrations would need to be greater than have been reported within this sample. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted. Sample is also initially classified as potentially hazardous for flammability (HP 3), based on BTEX concentrations. These potentially hazardous determinands actually recorded <LOD (grey highlighting) as are discounted. Sample is classified as Non-Hazardous, however this will require detailed confirmatory assessment by the receiving waste operator.	0.5	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	8	0.06	80	0.04	0.01	0.08	0.01	0.03	28	455	0.17	0.03	13	
TP800/17[1]	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate there would need to be much higher levels of Chromium than there is. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted. Sample is also initially classified as potentially hazardous for flammability (HP 3), based on BTEX concentrations. These potentially hazardous determinands actually recorded <LOD (grey highlighting) as are discounted. Sample is classified as Non-Hazardous, however this will require detailed confirmatory assessment by the receiving waste operator.	1	0.01	0.01	0.02	3	0.01	0.04	0.04	0.05	0.05	0.07	0.5	13	0.06	85	0.04	0.01	0.08	0.01	0.03	46	688	0.17	0.03	19	
TP800/17[2]	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate the chromium concentrations would need to be greater than have been reported within this sample. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted. Sample is also initially classified as potentially hazardous for flammability (HP 3), based on BTEX concentrations. These potentially hazardous determinands actually recorded <LOD (grey highlighting) as are discounted. Sample is classified as Non-Hazardous, however this will require detailed confirmatory assessment by the receiving waste operator.	3	0.01	0.01	0.05	4	0.01	0.15	0.13	0.16	0.06	0.08	0.5	15	0.18	169	0.04	0.01	0.23	0.01	0.06	140	922	0.18	0.03	29	
TP800/18	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	12	0.06	20	0.04	0.01	0.08	0.01	0.03	4	833	0.17	0.03	12	
TP800/18[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	8	0.06	15	0.04	0.01	0.08	0.01	0.03	8	637	0.17	0.03	8	
TP800/18[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	10	0.06	18	0.04	0.01	0.08	0.01	0.03	15	603	0.17	0.03	10	
TP800/19	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	10	0.06	68	0.04	0.01	0.08	0.01	0.03	37	427	0.17	0.03	18	
TP800/19[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	3	0.01	0.04	0.04	0.05	0.05	0.07	0.5	10	0.06	18	0.04	0.01	0.08	0.01	0.03	6	899	0.17	0.03	14	
TP800/20	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	4	0.01	0.04	0.04	0.05	0.05	0.07	0.5	17	0.06	13	0.04	0.01	0.08	0.01	0.03	11	613	0.17	0.03	15	
TP800/20[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	8	0.01	0.04	0.04	0.05	0.05	0.07	0.5	13	0.06	18	0.04	0.01	0.08	0.01	0.03	11	977	0.17	0.03	16	
TP800/21	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	7	0.06	16	0.04	0.01	0.08	0.01	0.03	3	1490	0.17	0.03	10	
TP800/21[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	2	0.01	0.04	0.04	0.05	0.05	0.07	0.5	13	0.06	14	0.04	0.01	0.08	0.01	0.03	12	623	0.17	0.03	12	
TP800/22	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	8	0.06	21	0.04	0.01	0.08	0.01	0.03	12	437	0.17	0.03	8	
TP800/22[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.6	0.01	0.01	0.02	5	0.01	0.04	0.04	0.05	0.05	0.07	0.5	8	0.06	14	0.04	0.01	0.08	0.01	0.03	8	1400	0.17	0.03	7	
TP800/22[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	3	0.01	0.01	0.02	2	0.01	0.04	0.04	0.05	0.05	0.07	0.5	12	0.06	11	0.04	0.01	0.08	0.01	0.03	7	292	0.17	0.03	14	
TP800/23	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	5	0.06	12	0.04	0.01	0.08	0.01	0.03	5	457	0.17	0.03	6	
TP800/23[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.07	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	6	0.07	18	0.04	0.01	0.15	0.01	0.03	5	477	0.17	0.03	8	
TP800/23[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	7	0.06	20	0.04	0.01	0.08	0.01	0.03	7	431	0.17	0.03	8	
TP800/24A	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	5	0.06	12	0.04	0.01	0.08	0.01	0.03	6	401	0.17	0.03	6	
TP800/24A[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2	0.01	0.01	0.02	3	0.01	0.04	0.04	0.05	0.05	0.07	0.5	11	0.06	15	0.04	0.01	0.08	0.01	0.03	17	271	0.17	0.03	7	

Determinand (laboratory concentrations)	Initial Haz-waste Online Classification Result	Revised Classification Result	Justification	Depth	pH	phenanthrene	phenol	pyrene	selenium {selenium compounds (with the exception of cadmium sulfoselenide and sodium selenite)}	toluene	TPH (C6 to C40) petroleum group	xylene	zinc {zinc oxide}
TP800/17	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate the chromium concentrations would need to be greater than have been reported within this sample. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted. Sample is also initially classified as potentially hazardous for flammability (HP 3), based on BTEX concentrations. These potentially hazardous determinands actually recorded <LOD (grey highlighting) as are discounted. Sample is classified as Non-Hazardous, however this will require detailed confirmatory assessment by the receiving waste operator.	0.5	8.48	0.03	0.1	0.07	1	0.01		0.01	381
TP800/17[1]	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate there would need to be much higher levels of Chromium than there is. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted. Sample is also initially classified as potentially hazardous for flammability (HP 3), based on BTEX concentrations. These potentially hazardous determinands actually recorded <LOD (grey highlighting) as are discounted. Sample is classified as Non-Hazardous, however this will require detailed confirmatory assessment by the receiving waste operator.	1	8.39	0.03	0.1	0.07	1	0.01		0.01	457
TP800/17[2]	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate the chromium concentrations would need to be greater than have been reported within this sample. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted. Sample is also initially classified as potentially hazardous for flammability (HP 3), based on BTEX concentrations. These potentially hazardous determinands actually recorded <LOD (grey highlighting) as are discounted. Sample is classified as Non-Hazardous, however this will require detailed confirmatory assessment by the receiving waste operator.	3	8.93	0.15	0.1	0.2	1	0.01		0.01	720
TP800/18	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	8.32	0.03	0.1	0.07	1	0.01		0.01	49
TP800/18[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	8.24	0.03	0.1	0.07	1	0.01		0.01	44
TP800/18[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2	7.87	0.03	0.1	0.07	1	0.01		0.01	83
TP800/19	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	7.13	0.03	0.1	0.07	1	0.01		0.01	356
TP800/19[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	7.78	0.03	0.1	0.07	1	0.01		0.01	38
TP800/20	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.1	0.03	0.1	0.07	1	0.01		0.01	54
TP800/20[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	6.39	0.03	0.1	0.07	1	0.01		0.01	45
TP800/21	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	7.74	0.03	0.1	0.07	1	0.01		0.01	35
TP800/21[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	7.75	0.03	0.1	0.07	1	0.01		0.01	47
TP800/22	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	7.85	0.03	0.1	0.07	1	0.01		0.01	64
TP800/22[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1.6	7.39	0.03	0.1	0.07	1	0.01		0.01	28
TP800/22[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	3	7.97	0.03	0.1	0.07	1	0.01		0.01	30
TP800/23	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	7.79	0.03	0.1	0.07	1	0.01		0.01	29
TP800/23[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	7.94	0.12	0.1	0.12	1	0.01		0.01	39
TP800/23[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2	8.28	0.03	0.1	0.07	1	0.01		0.01	50
TP800/24A	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	8.43	0.03	0.1	0.07	1	0.01		0.01	42
TP800/24A[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	2	6.65	0.03	0.1	0.07	1	0.01		0.01	42

Determinand (laboratory concentrations)	Initial Haz-waste Online Classification Result	Revised Classification Result	Justification	Depth	acenaphthene	acenaphthylene	anthracene	arsenic {arsenic trioxide}	benzene	benzo[a]anthracene	benzo[a]pyrene; benzo[def]chrysene	benzo[b]fluoranthene	benzo[ghi]perylene	benzo[k]fluoranthene	cadmium {cadmium sulfide}	chromium {chromium(III) oxide}	chrysene	copper {copper (I) oxide}	dibenz[a,h]anthracene	ethylbenzene	fluoranthene	fluorene	indeno[123-cd]pyrene	lead {lead compounds}	manganese {manganese dioxide}	mercury {mercury dichloride}	naphthalene	nickel {nickel dihydroxide}	PCBs/PCTs
TP800/24A[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	3	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	11	0.06	14	0.04	0.01	0.08	0.01	0.03	7	207	0.17	0.03	13	
TP800/25	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate the chromium concentrations would need to be greater than have been reported within this sample. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted. Sample is also initially classified as potentially hazardous for flammability (HP 3), based on BTEX concentrations. These potentially hazardous determinands actually recorded <LOD (grey highlighting) as are discounted. Sample is classified as Non-Hazardous, however this will require detailed confirmatory assessment by the receiving waste operator.	0.5	0.01	0.01	0.02	5	0.01	0.04	0.04	0.05	0.05	0.07	0.5	13	0.06	127	0.04	0.01	0.08	0.01	0.03	76	640	0.17	0.03	26	
TP800/25[1]	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate the chromium concentrations would need to be greater than have been reported within this sample. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted. Sample is also initially classified as potentially hazardous for flammability (HP 3), based on BTEX concentrations. These potentially hazardous determinands actually recorded <LOD (grey highlighting) as are discounted. Sample is classified as Non-Hazardous, however this will require detailed confirmatory assessment by the receiving waste operator.	1	0.01	0.01	0.02	3	0.01	0.04	0.04	0.05	0.05	0.07	0.5	10	0.06	175	0.04	0.01	0.08	0.01	0.03	76	454	0.17	0.03	25	
TP800/25[2]	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate there would need to be much higher levels of Chromium than there is. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted. Sample is also initially classified as potentially hazardous for flammability (HP 3), based on BTEX concentrations. These potentially hazardous determinands actually recorded <LOD (grey highlighting) as are discounted. Sample is classified as Non-Hazardous, however this will require detailed confirmatory assessment by the receiving waste operator.	1.8	0.09	0.01	0.3	2	0.01	0.22	0.19	0.19	0.09	0.12	0.5	6	0.24	209	0.04	0.01	0.59	0.11	0.1	96	361	0.17	0.06	24	
TP800/26	Hazardous	Hazardous	HP 7 (Carcinogenic) lead compounds and HP 14 (Ecotoxic) due to copper oxide, zinc oxide and lead compounds. Lead compounds and zinc oxide species selected based on the low concentrations of Cr, there is insufficient chromium present for the chromate forms to be present.	0.5	0.01	0.01	0.02	2	0.01	0.04	0.04	0.05	0.05	0.07	1.3	18	0.06	5510	0.04	0.01	0.08	0.01	0.03	1970	2460	0.17	0.03	494	
TP800/26[1]	Hazardous	Hazardous	HP 14 (Ecotoxic) due to zinc oxide concentrations. Potentially hazardous for flammability (HP3) can be discounted as potentially hazardous determinands actually recorded <LOD (grey highlighting). Zinc oxide species selected based on the low concentrations of Cr, there is insufficient chromium present for the chromate form to be present.	1	0.01	0.01	0.03	1	0.01	0.06	0.11	0.12	0.12	0.07	0.5	16	0.14	460	0.04	0.01	0.14	0.01	0.09	187	787	0.17	0.03	46	
TP800/27	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.03	0.17	3	0.01	0.32	0.27	0.26	0.09	0.21	0.5	10	0.35	15	0.05	0.01	0.55	0.04	0.12	47	378	0.17	0.03	9	
TP800/27[1]	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate the chromium concentrations would need to be greater than have been reported within this sample. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted. Sample is also initially classified as potentially hazardous for flammability (HP 3), based on BTEX concentrations. These potentially hazardous determinands actually recorded <LOD (grey highlighting) as are discounted. Sample is classified as Non-Hazardous, however this will require detailed confirmatory assessment by the receiving waste operator.	1	0.01	0.01	0.02	3	0.01	0.04	0.05	0.05	0.05	0.07	0.7	11	0.06	129	0.04	0.01	0.08	0.01	0.03	75	434	0.17	0.03	20	
TP800/28	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	6	0.01	0.04	0.04	0.05	0.05	0.07	0.5	14	0.06	8	0.04	0.01	0.08	0.01	0.03	8	298	0.17	0.03	11	
TP800/29	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	6	0.01	0.04	0.04	0.05	0.05	0.07	0.5	15	0.06	8	0.04	0.01	0.08	0.01	0.03	10	947	0.17	0.03	8	
TP800/30	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	1	0.01	0.04	0.04	0.05	0.05	0.07	0.5	6	0.06	15	0.04	0.01	0.08	0.01	0.03	6	390	0.17	0.03	6	
TP800/30[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	4	0.01	0.04	0.04	0.05	0.05	0.07	0.5	11	0.06	7	0.04	0.01	0.08	0.01	0.03	6	513	0.17	0.03	13	
TP800/31	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	0.01	0.01	0.02	6	0.01	0.04	0.04	0.05	0.05	0.07	0.5	18	0.06	19	0.04	0.01	0.08	0.01	0.03	20	1110	0.17	0.03	10	
TP800/32	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	0.01	0.01	0.02	4	0.01	0.04	0.04	0.05	0.05	0.07	0.5	12	0.06	11	0.04	0.01	0.08	0.01	0.03	9	363	0.17	0.03	9	
TP800/33	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	0.01	0.01	0.02	3	0.01	0.04	0.04	0.05	0.05	0.07	0.5	13	0.06	15	0.04	0.01	0.08	0.01	0.03	6	409	0.17	0.03	13	

Determinand (laboratory concentrations)	Initial Haz-waste Online Classification Result	Revised Classification Result	Justification	Depth	pH	phenanthrene	phenol	pyrene	selenium {selenium compounds (with the exception of cadmium sulfoselenide and sodium selenite)}	toluene	TPH (C6 to C40) petroleum group	xylene	zinc {zinc oxide}
TP800/24A[2]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	3	7.37	0.03	0.1	0.07	1	0.01		0.01	30
TP800/25	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate the chromium concentrations would need to be greater than have been reported within this sample. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted. Sample is also initially classified as potentially hazardous for flammability (HP 3), based on BTEX concentrations. These potentially hazardous determinands actually recorded <LOD (grey highlighting) as are discounted. Sample is classified as Non-Hazardous, however this will require detailed confirmatory assessment by the receiving waste operator.	0.5	7.8	0.03	0.1	0.07	1	0.01		0.01	568
TP800/25[1]	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate the chromium concentrations would need to be greater than have been reported within this sample. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted. Sample is also initially classified as potentially hazardous for flammability (HP 3), based on BTEX concentrations. These potentially hazardous determinands actually recorded <LOD (grey highlighting) as are discounted. Sample is classified as Non-Hazardous, however this will require detailed confirmatory assessment by the receiving waste operator.	1	8.03	0.03	0.1	0.07	1	0.01		0.01	725
TP800/25[2]	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate there would need to be much higher levels of Chromium than there is. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted. Sample is also initially classified as potentially hazardous for flammability (HP 3), based on BTEX concentrations. These potentially hazardous determinands actually recorded <LOD (grey highlighting) as are discounted. Sample is classified as Non-Hazardous, however this will require detailed confirmatory assessment by the receiving waste operator.	1.8	7.79	0.76	0.1	0.46	1	0.01		0.01	1070
TP800/26	Hazardous	Hazardous	HP 7 (Carcinogenic) lead compounds and HP 14 (Ecotoxic) due to copper oxide, zinc oxide and lead compounds. Lead compounds and zinc oxide species selected based on the low concentrations of Cr, there is insufficient chromium present for the chromate forms to be present.	0.5	8.47	0.03	0.1	0.07	5	0.01		0.01	31900
TP800/26[1]	Hazardous	Hazardous	HP 14 (Ecotoxic) due to zinc oxide concentrations. Potentially hazardous for flammability (HP3) can be discounted as potentially hazardous determinands actually recorded <LOD (grey highlighting). Zinc oxide species selected based on the low concentrations of Cr, there is insufficient chromium present for the chromate form to be present.	1	9.04	0.09	0.1	0.14	1	0.01		0.01	2400
TP800/27	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.97	0.35	0.1	0.44	1	0.01		0.01	54
TP800/27[1]	Hazardous	Non Hazardous	Sample is initially classified as hazardous based on the high levels of zinc, which in its worst considered form, zinc chromate, is carcinogenic. For all the zinc present to be in the form of zinc chromate the chromium concentrations would need to be greater than have been reported within this sample. Zinc is more likely to be in the form of zinc oxide which would not be considered hazardous at this concentration. The risk from zinc chromate has therefore been provisionally discounted. Sample is also initially classified as potentially hazardous for flammability (HP 3), based on BTEX concentrations. These potentially hazardous determinands actually recorded <LOD (grey highlighting) as are discounted. Sample is classified as Non-Hazardous, however this will require detailed confirmatory assessment by the receiving waste operator.	1	7.81	0.03	0.1	0.07	1	0.01		0.01	594
TP800/28	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.71	0.03		0.07	1	0.01		0.01	28
TP800/29	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.32	0.03		0.07	1	0.01		0.01	42
TP800/30	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	7.2	0.03	0.1	0.07	1	0.01		0.01	44
TP800/30[1]	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	6.78	0.03	0.1	0.07	1	0.01		0.01	31
TP800/31	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.4	5.6	0.03		0.07	2	0.01		0.01	56
TP800/32	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	0.5	6.18	0.03		0.07	2	0.01		0.01	40
TP800/33	Potentially Hazardous	Non Hazardous	Potentially hazardous determinands actually recorded <LOD (grey highlighting)	1	7.45	0.03		0.07	1	0.01		0.01	31

Determinand (converted concentrations)	Classification Result	Justification	Depth	acenaphthene	acenaphthylene	anthracene	arsenic {arsenic trioxide}	benzene	benzo[a]anthracene	benzo[a]pyrene; benzo[def]chrysene	benzo[b]fluoranthene	benzo[ghi]perylene	benzo[k]fluoranthene	cadmium {cadmium sulfide}	chromium {chromium(III) oxide}	chrysene	copper {copper (I) oxide}	dibenz[a,h]anthracene	ethylbenzene	fluoranthene	fluorene	indeno[123-cd]pyrene	lead {lead compounds with the exception of those specified elsewhere in this Annex}
Unit			m	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PC9TP01	Non Hazardous	NA	0	<0.01	<0.01	<0.02	4	<0.01	0.08	<0.04	<0.05	<0.05	<0.07	<0.5	18	0.06	17	<0.04	<0.01	0.11	<0.01	<0.03	12
PC9TP02	Non Hazardous	NA	1	<0.01	<0.01	<0.02	5	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	23	<0.06	16	<0.04	<0.01	<0.08	<0.01	<0.03	11
PC9TP03	Non Hazardous	NA	0	<0.01	<0.01	<0.02	1	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	16	<0.06	18	<0.04	<0.01	<0.08	<0.01	<0.03	14
PC9TP04	Non Hazardous	NA	0	<0.01	<0.01	<0.02	7	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	18	<0.06	36	<0.04	<0.01	<0.08	<0.01	<0.03	15
PC9TP05	Non Hazardous	NA	0	<0.01	<0.01	<0.02	5	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	23	<0.06	19	<0.04	<0.01	<0.08	<0.01	<0.03	16
PC9TP05[1]	Non Hazardous	NA	0.5	0.02	<0.01	0.09	4	<0.01	0.13	0.08	0.1	<0.05	0.07	<0.5	23	0.14	61	<0.04	<0.01	0.29	0.03	<0.03	25
PC9TP05[2]	Non Hazardous	NA	1.5	<0.01	<0.01	<0.02	<1	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	4	<0.06	9	<0.04	<0.01	<0.08	<0.01	<0.03	2
TP2201	Non Hazardous	NA	0	<0.01	<0.01	<0.02	7	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	26	<0.06	15	<0.04	<0.01	<0.08	<0.01	<0.03	16
TP2202	Non Hazardous	NA	0.5	<0.01	<0.01	<0.02	13	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	31	<0.06	12	<0.04	<0.01	<0.08	<0.01	<0.03	10
TP2203	Non Hazardous	NA	0	<0.01	<0.01	<0.02	18	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	23	<0.06	21	<0.04	<0.01	<0.08	<0.01	<0.03	38
TP2204	Non Hazardous	NA	1	<0.01	<0.01	<0.02	4	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	19	<0.06	15	<0.04	<0.01	<0.08	<0.01	<0.03	7
XTP072	Non Hazardous	NA	0	<0.01	<0.01	<0.02	5	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	20	<0.06	12	<0.04	<0.01	<0.08	<0.01	<0.03	31
XTP073	Non Hazardous	NA	0	<0.01	<0.01	<0.02	4	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	26	<0.06	17	<0.04	<0.01	<0.08	<0.01	<0.03	12
XTP078	Non Hazardous	NA	0.5	<0.01	<0.01	<0.02	5	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	29	<0.06	19	<0.04	<0.01	<0.08	<0.01	<0.03	15
XTP089	Non Hazardous	NA	0.2	<0.01	<0.01	<0.02	5	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	18	<0.06	36	<0.04	<0.01	<0.08	<0.01	<0.03	26
XTP090	Non Hazardous	NA	0	<0.01	<0.01	<0.02	8	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	25	<0.06	15	<0.04	<0.01	<0.08	<0.01	<0.03	14
XTP091	Non Hazardous	NA	0.2	<0.01	<0.01	<0.02	9	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	26	<0.06	21	<0.04	<0.01	<0.08	<0.01	<0.03	19
XTP092	Non Hazardous	NA	2	<0.01	<0.01	<0.02	5	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	18	<0.06	23	<0.04	<0.01	<0.08	<0.01	<0.03	7
XTP093	Non Hazardous	NA	0	<0.01	<0.01	<0.02	7	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	25	<0.06	24	<0.04	<0.01	<0.08	<0.01	<0.03	14
XTP094	Non Hazardous	NA	0.5	<0.01	<0.01	<0.02	3	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	18	<0.06	19	<0.04	<0.01	<0.08	<0.01	<0.03	6
XTP095	Non Hazardous	NA	1	<0.01	<0.01	<0.02	5	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	20	<0.06	23	<0.04	<0.01	<0.08	<0.01	<0.03	7
XTP096	Non Hazardous	NA	1	<0.01	<0.01	<0.02	7	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	19	<0.06	23	<0.04	<0.01	<0.08	<0.01	<0.03	6
XTP098	Non Hazardous	NA	0	<0.01	<0.01	<0.02	5	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	23	<0.06	23	<0.04	<0.01	<0.08	<0.01	<0.03	18
XTP098[1]	Non Hazardous	NA	0.5	<0.01	<0.01	<0.02	4	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	16	<0.06	15	<0.04	<0.01	<0.08	<0.01	<0.03	16
XTP101	Non Hazardous	NA	0.5	<0.01	<0.01	<0.02	8	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	22	<0.06	24	<0.04	<0.01	<0.08	<0.01	<0.03	9
XTP102	Non Hazardous	NA	0	<0.01	<0.01	<0.02	8	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	22	<0.06	17	<0.04	<0.01	<0.08	<0.01	<0.03	42
XTP104	Non Hazardous	NA	0	<0.01	<0.01	0.02	7	<0.01	0.05	<0.04	0.05	<0.05	<0.07	<0.5	19	0.08	23	<0.04	<0.01	0.15	<0.01	<0.03	83
XTP107	Non Hazardous	NA	0	<0.01	<0.01	<0.02	8	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	25	<0.06	24	<0.04	<0.01	<0.08	<0.01	<0.03	9
BH2201A	Non Hazardous	NA	0.5	<0.01	<0.01	<0.02	4	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	29	<0.06	12	<0.04	<0.01	<0.08	<0.01	<0.03	13
BH2203	Non Hazardous	NA	1	<0.01	<0.01	<0.02	4	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	20	<0.06	33	<0.04	<0.01	<0.08	<0.01	<0.03	9
BH2204	Non Hazardous	NA	1	<0.01	<0.01	<0.02	5	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	1.5	32	<0.06	55	<0.04	<0.01	<0.08	<0.01	<0.03	8
PC11HP01	Non Hazardous	NA	0.5	<0.01	<0.01	<0.02	<1	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	12	<0.06	6	<0.04	<0.01	<0.08	<0.01	<0.03	7
PC11HP02	Non Hazardous	NA	0.5	0.05	0.06	0.35	<1	<0.01	1.9	1.88	2.7	1.27	0.87	<0.5	35	2.12	19	0.26	<0.01	4.01	0.04	1.59	24
PC11HP03	Non Hazardous	NA	0	<0.01	<0.01	<0.02	3	<0.01	0.07	0.05	0.08	<0.05	<0.07	<0.5	22	0.09	19	<0.04	<0.01	0.13	<0.01	<0.03	22
PC11HP04	Non Hazardous	NA	0	<0.01	<0.01	<0.02	<1	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	23	<0.06	27	<0.04	<0.01	<0.08	<0.01	<0.03	15
PC7BH01	Non Hazardous	NA	1.2	<0.01	<0.01	<0.02	<1	<0.01	<0.04	0.07	0.07	0.06	<0.07	<0.5	16	0.09	50	<0.04	<0.01	0.09	<0.01	0.06	16
PC7BH02	Non Hazardous	NA	0	<0.01	<0.01	<0.02	5	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	19	<0.06	9	<0.04	<0.01	<0.08	<0.01	<0.03	10
PC7TP01	Hazardous	HP 14 (Ecotoxic) copper (I) oxide: and zinc oxide	0.5	<0.01	<0.01	<0.02	25	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	1.4	77	<0.06	3243	<0.04	<0.01	<0.08	<0.01	<0.03	969
PC7TP02	Non Hazardous	NA	1	<0.01	<0.01	<0.02	11	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	38	<0.06	32	<0.04	<0.01	<0.08	<0.01	<0.03	10
PC7TP03	Non Hazardous	NA	0.5	0.02	0.07	0.48	<1	<0.01	0.19	0.12	0.08	<0.05	0.16	<0.5	23	0.37	12	<0.04	<0.01	0.76	0.08	0.05	6
PC7TP04	Non Hazardous	NA	0.5	<0.01	<0.01	<0.02	3	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	16	<0.06	24	<0.04	<0.01	<0.08	<0.01	<0.03	11
PC7TP05	Non Hazardous	NA	0	<0.01	<0.01	<0.02	4	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	29	<0.06	16	<0.04	<0.01	<0.08	<0.01	<0.03	15
PC7TP06	Non Hazardous	NA	1	<0.01	<0.01	<0.02	<1	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	7	<0.06	17	<0.04	<0.01	<0.08	<0.01	<0.03	3
PC7TP07	Non Hazardous	NA	0.5	<0.01	<0.01	<0.02	<1	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	10	<0.06	21	<0.04	<0.01	<0.08	<0.01	<0.03	3
XTP067	Non Hazardous	NA	0.4	<0.01	<0.01	<0.02	4	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	23	<0.06	24	<0.04	<0.01	<0.08	<0.01	<0.03	23
XTP069A	Non Hazardous	NA	0	0.11	<0.01	0.19	4		0.73	0.64	0.79	0.42	0.29		19	0.93	30	0.11		0.94	0.06	0.46	75
XTP069B	Non Hazardous	NA	0	1.16	0.05	1.63	5		3.33	2.73	2.84	1.91	0.92		16	4.46	17	0.52		3.6	0.72	1.42	109
XTP074	Non Hazardous	NA	0.5	<0.01	<0.01	<0.02	3	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	29	<0.06	17	<0.04	<0.01	<0.08	<0.01	<0.03	9
XTP076	Non Hazardous	NA	0	0.02	<0.01	0.02	5	<0.01	0.05	<0.04	<0.05	<0.05	<0.07	<0.5	22	<0.06	21	<0.04	<0.01	<0.08	0.01	<0.03	22
XTP087	Non Hazardous	NA	0	<0.01	<0.01	<0.02	<1	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	20	<0.06	27	<0.04	<0.01	<0.08	<0.01	<0.03	11
XTP087[1]	Non Hazardous	NA	1	<0.01	<0.01	<0.02	4	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	19	<0.06	78	<0.04	<0.01	<0.08	<0.01	<0.03	5
XTP105	Non Hazardous	NA	0.5	0.02	<0.01	0.03	<1	<0.01	0.05	<0.04	<0.05	<0.05	<0.07	<0.5	18	0.09	232	<0.04	<0.01	0.1	<0.01	<0.03	165
PC15TP02	Non Hazardous	NA	0	<0.01	<0.01	<0.02	<1	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	12	<0.06	15	<0.04	<0.01	<0.08	<0.01	<0.03	5
PC15TP01	Non Hazardous	NA	0	<0.01	<0.01	<0.02	3	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	16	<0.06	20	<0.04	<0.01	<0.08	<0.01	<0.03	8
PC15TP01[1]	Non Hazardous	NA	1	<0.01	<0.01	<0.02	<1	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	10	<0.06	26	<0.04	<0.01	<0.08	<0.01	<0.03	4
PC7TP11	Non Hazardous	NA	0.5	<0.01	<0.01	<0.02	4	<0.01	0.04	<0.04	0.05	<0.05	<0.07	<0.5	13	0.07	20	<0.04	<0.01	<0.08	<0.01	<0.03	235
PC7TP11[1]	Non Hazardous	NA	1.5	<0.01	<0.01	<0.02	3	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	12	<0.06	23	<0.04	<0.01	<0.08	<0.01	<0.03	43
TP2001	Non Hazardous	NA	0.4	<0.01	<0.01	<0.02	13	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	18	<0.06	33	<0.04	<0.01	<0.08	<0.01	<0.03	38
TP2002	Non Hazardous	NA	0	<0.01	<0.01	<0.02	8	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	20	<0.06	17	<0.04	<0.01	<0.08	<0.01	<0.03	17
TP2003	Non Hazardous	NA	0.5	<0.01	<0.01	<0.02	4	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	23	<0.06	9	<0.04	<0.01	<0.08	<0.01	<0.03	8
XTP069	Non Hazardous	NA	0	<0.01	<0.01	<0.02	3	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	18	<0.06	21	<0.04	<0.01	<0.08	<0.01	<0.03	17
XTP069[1]	Non Hazardous	NA	1	<0.01	<0.01	<0.02	<1	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	12	<0.06	15	<0.04	<0.01	<0.08	<0.01	<0.03	3
XTP071	Non Hazardous	NA	0	<0.01	<0.01	0.13	4	<0.01	0.06	0.05	<0.05	<0.05	<0.07	<0.5	18	0.11	12	<0.04	<0.01	0.17	<0.01	<0.03	15
XTP071[1]	Non Hazardous	NA	0.5	<0.01	<0.01	<0.02	3	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	25	<0.06	27	<0.04	<0.01	<0.08	<0.01	<0.03	31
PC7TP09	Non Hazardous	NA	2	<0.01	<0.01	<0.02	1	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	22	<0.06	18	<0.04	<0.01	<0.08	<0.01	<0.03	11
PC7TP08	Non Hazardous	NA	0.5	<0.01	<0.01	<0.02	<1	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	12	<0.06	141	<0.04	<0.01	<0.08	<0.01	<0.03	39
PC7TP08[1]	Non Hazardous	NA	1	<0.01	<0.01	<0.02	<1	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	16	<0.06	34	<0.04	<0.01	<0.08	<0.01	<0.03	9
PC7TP08[2]	Non Hazardous	NA	1.7	<0.01	<0.01	<0.02	4	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	22	<0.06	41	<0.04	<0.01	<0.08	<0.01	<0.03	8
TP2004	Non Hazardous	NA	0.3	<0.01	<0.01	<0.02	15	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	29	<0.06	29	<0.04	<0.01	<0.08	<0.01	<0.03	22
XTP068	Non Hazardous	NA	0	<0.01	<0.01	<0.02	4	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	20	<0.06	84	<0.04	<0.01	<0.08	<0.01	<0.03	54
XTP068[1]	Non Hazardous	NA	0.5	<0.01	<0.01	<0.02	4	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	19	<0.06	95	<0.04	<0.01	<0.08	<0.01	<0.03	57
XTP070	Non Hazardous	NA	0	<0.01	<0.01	<0.02	1	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	10	<0.06	12	<0.04	<0.01	<0.08	<0.01	0.03	92
XTP070[1]	Non Hazardous	NA	0.5	<0.01	<0.01	<0.02	<1	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	12	<0.06	37	<0.04	<0.01	<0.08	<0.01	<0.03	10
XTP070[2]	Non Hazardous	NA	1	<0.01	<0.01	<0.02	<1	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	12	<0.06	32	<0.04	<0.01	<0.08	<0.01	<0.03	40
XTP088	Non Hazardous	NA	0	<0.01	<0.01	<0.02	4	<0.01	<0.04	<0.04	<0.05	<0.05	<0.07	<0.5	29	<0.06	19	<0.04	<0.01	<0.08	<0.01	<0.03	7
PC17TP01	Non Hazardous	NA	-1.6	<0.01	<0.01	0.03	12	<0.01	<0.04	<0.04	0.08	<0.05	<0.07	<0.5	20	<0.06	51	<0.04	<0.01	0.19	<0.01	0.05	176

Determinand (converted concentrations)	Classification Result	Justification	Depth	manganese {manganese sulphate}	mercury {mercury dichloride}	naphthalene	nickel {nickel dihydroxide}	polychlorobiphenyls; PCB	pH	phenanthrene	phenol	pyrene	selenium {selenium compounds with the exception of cadmium sulphoselenide	toluene	TPH (C6 to C40) petroleum group	xylene	zinc {zinc oxide}	boron {boron tribromide/trichloride/trifluoride (combined)}
Unit			m	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	pH	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PC9TP01	Non Hazardous	NA	0		<0.17	<0.03	14		6.17	0.06		0.16	<1	<0.01	<0.1	<0.01	47	<1
PC9TP02	Non Hazardous	NA	1		<0.17	<0.03	24		6.87	<0.03		<0.07	<1	<0.01	<0.1	<0.01	46	<1
PC9TP03	Non Hazardous	NA	0		<0.17	<0.03	17		6.6	<0.03		<0.07	<1	<0.01	<0.1	<0.01	57	<1
PC9TP04	Non Hazardous	NA	0		<0.17	<0.03	21		6.15	<0.03		<0.07	5.107202	<0.01	<0.1	<0.01	57	<1
PC9TP05	Non Hazardous	NA	0		<0.17	<0.03	19		5.89	<0.03		<0.07	2.553601	<0.01	<0.1	<0.01	68	<1
PC9TP05[1]	Non Hazardous	NA	0.5		<0.17	<0.03	22		7.45	0.24	<0.1	0.22	<1	<0.01	<0.1	<0.01	162	<1
PC9TP05[2]	Non Hazardous	NA	1.5		<0.17	<0.03	5		7.95	<0.03	<0.1	<0.07	<1	<0.01	<0.1	<0.01	21	<1
TP2201	Non Hazardous	NA	0		<0.17	<0.03	22		5.79	<0.03		<0.07	<1	<0.01	39.2	<0.01	55	<1
TP2202	Non Hazardous	NA	0.5		<0.17	<0.03	32		6.47	<0.03		<0.07	<1	<0.01	<0.1	<0.01	44	<1
TP2203	Non Hazardous	NA	0		<0.17	<0.03	16		5.62	<0.03		<0.07	5.107202	<0.01	<0.1	<0.01	37	<1
TP2204	Non Hazardous	NA	1		<0.17	<0.03	22		8.02	<0.03		<0.07	<1	<0.01	<0.1	<0.01	49	<1
XTP072	Non Hazardous	NA	0		<0.17	<0.03	14		6.27	<0.03		<0.07	5.107202	<0.01	<0.1	<0.01	70	<1
XTP073	Non Hazardous	NA	0		<0.17	<0.03	24		6	<0.03		<0.07	<1	<0.01	<0.1	<0.01	42	<1
XTP078	Non Hazardous	NA	0.5		<0.17	<0.03	22		6.73	<0.03		<0.07	<1	<0.01	<0.1	<0.01	67	<1
XTP089	Non Hazardous	NA	0.2		<0.17	<0.03	11		5.84	<0.03		<0.07	<1	<0.01	<0.1	<0.01	45	<1
XTP090	Non Hazardous	NA	0		<0.17	<0.03	19		6.27	<0.03		<0.07	<1	<0.01	<0.1	<0.01	63	<1
XTP091	Non Hazardous	NA	0.2		<0.17	<0.03	21		6.15	<0.03	<0.1	<0.07	5.107202	<0.01	<0.1	<0.01	47	<1
XTP092	Non Hazardous	NA	2		<0.17	<0.03	25		6.86	<0.03		<0.07	<1	<0.01	<0.1	<0.01	47	<1
XTP093	Non Hazardous	NA	0		<0.17	<0.03	21		6	<0.03		<0.07	5.107202	<0.01	<0.1	<0.01	62	<1
XTP094	Non Hazardous	NA	0.5		<0.17	<0.03	24		6.82	<0.03		<0.07	<1	<0.01	<0.1	<0.01	45	<1
XTP095	Non Hazardous	NA	1		<0.17	<0.03	25		6.82	<0.03		<0.07	<1	<0.01	<0.1	<0.01	47	<1
XTP096	Non Hazardous	NA	1		<0.17	<0.03	21		6.13	<0.03		<0.07	<1	<0.01	<0.1	<0.01	42	<1
XTP098	Non Hazardous	NA	0		<0.17	<0.03	24		8.16	<0.03	<0.1	<0.07	5.107202	<0.01	<0.1	<0.01	76	<1
XTP098[1]	Non Hazardous	NA	0.5		<0.17	<0.03	16		7.95	<0.03	<0.1	<0.07	2.553601	<0.01	<0.1	<0.01	57	<1
XTP101	Non Hazardous	NA	0.5		<0.17	<0.03	25		6.78	<0.03		<0.07	5.107202	<0.01	<0.1	<0.01	52	<1
XTP102	Non Hazardous	NA	0		<0.17	<0.03	17		6.21	<0.03		<0.07	<1	<0.01	<0.1	<0.01	52	<1
XTP104	Non Hazardous	NA	0		<0.17	<0.03	16		6.32	0.08		0.14	<1	<0.01	<0.1	<0.01	72	<1
XTP107	Non Hazardous	NA	0		<0.17	<0.03	24		6	<0.03		<0.07	5.107202	<0.01	<0.1	<0.01	57	<1
BH2201A	Non Hazardous	NA	0.5		<0.17	<0.03	24		6.07	<0.03		<0.07	5.107202	<0.01	<0.1	<0.01	54	<1
BH2203	Non Hazardous	NA	1		<0.17	<0.03	30		6.87	<0.03		<0.07	<1	<0.01	<0.1	<0.01	62	<1
BH2204	Non Hazardous	NA	1		<0.17	<0.03	27		5.66	<0.03		<0.07	12.768005	<0.01	<0.1	<0.01	52	18.802
PC11HP01	Non Hazardous	NA	0.5		<0.17	<0.03	13		8.14	<0.03		<0.07	<1	<0.01	<0.1	<0.01	61	<1
PC11HP02	Non Hazardous	NA	0.5		<0.17	<0.03	28		7.77	0.75	<0.1	3.38	2.553601	<0.01	198	<0.01	115	<1
PC11HP03	Non Hazardous	NA	0		<0.17	<0.03	17		7.64	0.05		0.12	5.107202	<0.01	<0.1	<0.01	78	<1
PC11HP04	Non Hazardous	NA	0		<0.17	<0.03	19		6.16	<0.03	<0.1	<0.07	5.107202	<0.01	<0.1	<0.01	86	<1
PC7BH01	Non Hazardous	NA	1.2		<0.17	<0.03	25		8.42	<0.03	<0.1	0.08	<1	<0.01	2.5	<0.01	212	<1
PC7BH02	Non Hazardous	NA	0		<0.17	<0.03	16		6.42	<0.03		<0.07	5.107202	<0.01	<0.1	<0.01	66	<1
PC7TP01	Hazardous	HP 14 (Ecotoxic) copper (I) oxide: and zinc oxide	0.5		<0.17	<0.03	415		8.2	<0.03	<0.1	<0.07	7.660803	<0.01	<0.1	<0.01	18173	30.889
PC7TP02	Non Hazardous	NA	1		<0.17	<0.03	38		6.94	<0.03		<0.07	5.107202	<0.01	<0.1	<0.01	59	<1
PC7TP03	Non Hazardous	NA	0.5		0.311302059	<0.03	27		9.72	0.62		0.53	<1	<0.01	<0.1	<0.01	139	<1
PC7TP04	Non Hazardous	NA	0.5		<0.17	<0.03	17		7.29	<0.03	<0.1	<0.07	<1	<0.01	<0.1	<0.01	88	<1
PC7TP05	Non Hazardous	NA	0		<0.17	<0.03	17		6.45	<0.03		<0.07	5.107202	<0.01	<0.1	<0.01	55	<1
PC7TP06	Non Hazardous	NA	1		<0.17	<0.03	9		7.82	<0.03		<0.07	<1	<0.01	<0.1	<0.01	41	<1
PC7TP07	Non Hazardous	NA	0.5		<0.17	<0.03	14		8.25	<0.03	<0.1	<0.07	<1	<0.01	<0.1	<0.01	47	<1
XTP067	Non Hazardous	NA	0.4		<0.17	<0.03	21		6.91	<0.03	<0.1	<0.07	<1	<0.01	<0.1	<0.01	66	<1
XTP069A	Non Hazardous	NA	0			0.06	16		6.06	0.59		1.11					70	
XTP069B	Non Hazardous	NA	0			0.53	11		5.72	5.15		6.39					51	
XTP074	Non Hazardous	NA	0.5		<0.17	<0.03	35		7.88	<0.03		<0.07	<1	<0.01	<0.1	<0.01	49	<1
XTP076	Non Hazardous	NA	0		<0.17	<0.03	17		7.61	0.06	<0.1	<0.07	<1	<0.01	4	<0.01	68	<1
XTP087	Non Hazardous	NA	0		<0.17	<0.03	11		7.19	<0.03		<0.07	<1	<0.01	<0.1	<0.01	35	<1
XTP087[1]	Non Hazardous	NA	1		<0.17	<0.03	21		7.71	<0.03		<0.07	<1	<0.01	<0.1	<0.01	57	<1
XTP105	Non Hazardous	NA	0.5		<0.17	<0.03	32		6.82	0.08	<0.1	0.08	<1	<0.01	<0.1	<0.01	583	<1
PC15TP02	Non Hazardous	NA	0		<0.17	<0.03	13		5.55	<0.03		<0.07	<1	<0.01	<0.1	<0.01	41	<1
PC15TP01	Non Hazardous	NA	0		<0.17	<0.03	17		5.83	<0.03		<0.07	<1	<0.01	<0.1	<0.01	56	<1
PC15TP01[1]	Non Hazardous	NA	1		<0.17	<0.03	16		6.23	<0.03	<0.1	<0.07	<1	<0.01	<0.1	<0.01	45	<1
PC7TP11	Non Hazardous	NA	0.5		0.703813351	<0.03	11		8.6	<0.03	<0.1	<0.07	<1	<0.01	<0.1	<0.01	96	<1
PC7TP11[1]	Non Hazardous	NA	1.5		<0.17	<0.03	13		8.37	<0.03	<0.1	<0.07	<1	<0.01	<0.1	<0.01	60	<1
TP2001	Non Hazardous	NA	0.4		<0.17	<0.03	19		7.49	<0.03	<0.1	<0.07	5.107202	<0.01	<0.1	<0.01	101	<1
TP2002	Non Hazardous	NA	0		<0.17	<0.03	14		6.57	<0.03		<0.07	<1	<0.01	<0.1	<0.01	46	<1
TP2003	Non Hazardous	NA	0.5		<0.17	<0.03	27		7.02	<0.03		<0.07	<1	<0.01	<0.1	<0.01	40	<1
XTP069	Non Hazardous	NA	0		<0.17	<0.03	16		5.9	<0.03	<0.1	<0.07	<1	<0.01	<0.1	<0.01	50	<1
XTP069[1]	Non Hazardous	NA	1		<0.17	<0.03	16		6.92	<0.03		<0.07	<1	<0.01	<0.1	<0.01	47	<1
XTP071	Non Hazardous	NA	0		<0.17	<0.03	13		5.65	0.18		0.15	<1	<0.01	<0.1	<0.01	40	<1
XTP071[1]	Non Hazardous	NA	0.5		<0.17	<0.03	19		7.36	<0.03	<0.1	<0.07	<1	<0.01	<0.1	<0.01	92	<1
PC7TP09	Non Hazardous	NA	2		<0.17	<0.03	24		8.24	<0.03	<0.1	<0.07	<1	<0.01	<0.1	<0.01	77	<1
PC7TP08	Non Hazardous	NA	0.5		<0.17	<0.03	25		8.07	<0.03	<0.1	<0.07	<1	<0.01	<0.1	<0.01	505	<1
PC7TP08[1]	Non Hazardous	NA	1		<0.17	<0.03	14		6.84	<0.03	<0.1	<0.07	<1	<0.01	3.2	<0.01	92	<1
PC7TP08[2]	Non Hazardous	NA	1.7		<0.17	<0.03	17		7.38	<0.03	<0.1	<0.07	<1	<0.01	<0.1	<0.01	51	<1
TP2004	Non Hazardous	NA	0.3		<0.17	<0.03	21		6.51	<0.03		<0.07	5.107202	<0.01	<0.1	<0.01	52	<1
XTP068	Non Hazardous	NA	0		<0.17	<0.03	22		5.97	<0.03	<0.1	<0.07	<1	<0.01	<0.1	<0.01	375	<1
XTP068[1]	Non Hazardous	NA	0.5		<0.17	<0.03	27		6.79	<0.03	<0.1	<0.07	<1	<0.01	1.9	<0.01	474	<1
XTP070	Non Hazardous	NA	0		<0.17	<0.03	8		6.14	<0.03		<0.07	<1	<0.01	2.2	<0.01	36	<1
XTP070[1]	Non Hazardous	NA	0.5		<0.17	<0.03	16		7.94	<0.03	<0.1	<0.07	<1	<0.01	0.8	<0.01	88	<1
XTP070[2]	Non Hazardous	NA	1		<0.17	<0.03	14		7.6	<0.03	<0.1	<0.07	<1	<0.01	29.2	<0.01	77	<1
XTP088	Non Hazardous	NA	0		<0.17	<0.03	25		6.18	<0.03		<0.07	<1	<0.01	<0.1	<0.01	60	<1
PC17TP01	Non Hazardous	NA	-1.6		<0.17	<0.03	21		8.12	0.09	<0.1	0.16	5.107202	<0.01	<0.1	<0.01	213	<1