Phase 2 Site Investigation

Gravelly Bottom Road - Kingswood





Non-Technical Summary

What is Proposed?	Redevelopment of the site comprising a replacement low rise industrial building and external hardstanding for parking spaces. A strip of soft landscaping is proposed along the south boundary of the site, where native trees will be planted to provide screening.		
What is the Problem?	No viable sources of contamination have been identified which would pose an unacceptable risk to future site users or controlled waters in the context of the proposed redevelopment.		
What is the Result?	 No formal remedial measures are considered necessary to support the proposed redevelopment, however the following recommendations should be considered: At TP2 the first stratum was Made Ground which comprised black gravelly SAND containing tarmac, clinker, burnt wood and ash should be removed. This stratum was recorded between surface and 0.10m bgl. A layer of clean certified topsoil, 150mm in thickness, should be placed across the proposed area of soft landscaping on the southern boundary in order to provide a suitable growth medium of the tree screening. 		
What are the Next Steps?	This report should be submitted to the local planning authority to discharge planning condition 4.1 on permission 22/505903/FULL.		

Report Record

Project Name	Gravelly Bottom Road - Kingswood
Client	Individual
Report Type	Phase 2 Site Investigation
Report Ref	R172-SI-01.0_4728
Issue Date	August 2023
Author	Maddie Edwards - BSc (Hons)
Reviewer	Gemma Heyworth – BSc MCIWEM C.WEM

Report Revisions

Revision Ref	Date	Author	Details

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2nd Floor North Fitted Rigging House, The Historic Dockyard, Chatham, Kent, ME4 4TZ e: info@lustreconsulting.com t: 01634 757 705 www.lustreconsulting.com

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1.0 Introduction

1.1 This report presents the findings of a Phase 2 Site Investigation (Environmental) – an intrusive contamination assessment that has been prepared in line with best practice guidance and planning policy.

What is a Phase 2 Site Investigation?

- 1.2 Phase 2 Site Investigation is the second stage of a phased contaminated land assessment that is often required to discharge planning conditions or remove objections once planning permission has been granted. A Phase 2 is usually required following a Phase 1 Desk Study, where potential sources of contamination have been identified, and the risks from which require further understanding.
- 1.3 The purpose of a Phase 2 Site Investigation is to physically inspect the condition of the soil, groundwater etc that may have been impacted by the sources of contamination identified in the Phase 1 Desk Study. The Phase 2 Site Investigation is site specific with the methods of investigation chosen being dependent on a number of factors, such as access, operational constraints, geology, potential contaminant sources and the receptors to be targeted.
- 1.4 Recommendations may include the preparation of a Remediation Strategy to detail how any identified risks can be mitigated/remediated, or possibly further investigation. If no unacceptable risks are identified, then typically no further environmental assessment is required other than a Watching Brief during the construction phase. Find out more about Phase 2 Site Investigations <u>here</u>.

The Subject Site

Table 1 Site Details	5
Address	The Homestead, Gravelly Bottom Road, in Kingswood, Kent, ME17 3NU
Eastings, Northings	583025, 150906
Area	0.3 ha

1.5 The site, irregular in plan, currently comprises an access road leading to a yard and a fire damaged structure, which was previously used as an industrial complex. There is another



industrial building at the address that lies just north of the site boundary, as can be seen in Figure 1, which is not part of the current assessment. The site is located within a rural agricultural area with fields adjacent, and a number of residential dwellings to the south.



The Proposed Development

- 1.6 It is understood that the site has planning permission from Maidstone Borough Council, for redevelopment to provide a commercial/industrial scheme, under application reference 22/505903/FULL. This report should be submitted to the Council in order to discharge planning condition 4.
- 1.7 Figure 2 displays the proposed site plan, comprising a replacement low rise industrial building and external hardstanding for parking spaces. A strip of soft landscaping is proposed along the south boundary of the site, where native trees will be planted to provide



screening. There are no basements, undercroft car parking or other underground structures anticipated with below ground features limited to foundations and buried services.

1.8 Enabling works to permit the development are understood to involve the full clearance of the site. It is understood that site levels will remain relatively similar to that present.



The Stakes & Objectives

1.9 As noted above, this Phase 2 Site Investigation forms the second stage of an iterative contaminated land assessment, to further investigate the potential sources of contamination



and unacceptable risks identified during a Phase 1 Desk Study¹. Key findings and stakes relating to this investigation are summarised below.

Current and Former Site Uses: From c. 1946 the site had an agricultural purpose with the erection of livestock pens around 1955. In 1967 it was labelled a piggery with a residential dwelling to the southeast of the site. Succeeding c.1987 the site was no longer used for agriculture, instead being labelled works on maps, that went on to comprise a furniture and tarpaulin manufacturer. In 2019 a fire occurred on site leaving a fire damaged and therefore disused structure. One record of an onsite non-coal mining cavity was found for mining of sand.

Geology, Hydrogeology and Hydrology: A layer of Made Ground is expected over superficial Head deposits (of clay, silt, sand and gravel). This type of superficial deposit is classified as a secondary undifferentiated aquifer, due to its variable rock characteristics and therefore fluctuational permeability. The bedrock is of the Hythe formation, which is a Principal Aquifer.

Potential Sources of Contamination: Major potential sources of contamination relate to the fire damage and the suppression of the fire, in addition to the previous light industrial activities onsite. Toxins and particulates are emitted during combustion from burning materials, there is a risk of these contaminants entering soils and/or groundwater and migrating offsite. General waste was scattered across the yard including plastics, fabrics, glass, metals, building materials and electrical appliances. The waste itself is a contamination source but also possible leakage from the waste into the ground.

Initial Risk Ratings: Low/Moderate risk was assessed to current and future site users as well as off-site users and groundwater and surface water. Cracked hardstanding covered most of the site which reduces the risk of an effective pollutant pathway into the soils and groundwater. There is however a very high risk of asbestos inhalation. Overall risk of contamination at the site is moderate.

¹ 9701 Phase 1 Preliminary Risk Assessment Rev0 (Phlorum, 2020)



- 1.10 Full reference should be made to the desk study to understand the preliminary conceptual model and basis of this investigation. The methodology adopted in this site investigation is based on the source-pathway-receptor model as set out in the Land contamination risk management guidance (LCRM, October 2020).
- 1.11 The main objective of this investigation is to reduce uncertainty and validate the findings of the Phase 1, associated with the preliminary conceptual site model and risk assessment. This investigation aims to determine the general presence or absence of contamination within the context of an Exploratory Investigation. It is noted that an Exploratory Investigation usually requires a lower density sample spacing than a Main Investigation, and that further works may be required in the future. Noting the likely acceptable levels of uncertainty, access restrictions, project constraints etc at this stage of the project, an Exploratory Investigation, as defined in BS 10175, has been adopted and is considered appropriate to assess the general suitability of the site for the proposed development.

Report Structure, Limitations & Changes

- 1.12 The investigation methodology is included in Chapter 2, with details on the ground conditions observed in Chapter 3. A summary of the generic risk assessments undertaken is presented in Chapter 4 and a wider discussion on the preliminary findings in the context of the CSM is provided in Chapter 5. Report conclusions and recommendations are set out in Chapter 6. Advisory items are detailed in Chapter 7.
- 1.13 This assessment has been undertaken in accordance with our Terms & Conditions. Full details on limitations and reliance are provided in those Terms. Third party information which has been reviewed and used to inform the assessments presented herein, including public records held by various regulatory authorities and environmental database data has been assumed to be true and accurate.
- 1.14 This assessment has been carried out to determine the potential risks posed to future end users, along with other key receptors, based on the current development. Should revisions in the development proposals result in a change any assessment parameters detailed in this report, a re-assessment of the risk should be carried out.

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2.0 Site Investigation Methodology

2.1 The intrusive site investigation works were undertaken on 12/07/2023 under the direct coordination of a suitably trained and qualified consultant employed by Lustre. The intrusive works were carried out with due regard to existing standards and good practice guidelines including BS10175: 2011+ A2:2017², BS5930: 2015³ and guidance produced by the AGS⁴.

Enabling Works

- 2.2 Prior to the site works commencing the client cleared the fire debris from the location of each trial pit in addition to breaking out the hardstanding and undertaking shallow trial pits (approx. 0.60m bgl) with a wheeled back-hoe excavator.
- 2.3 Each of the locations were extended laterally and vertically to enable representative soil samples to be taken of the underlying soils.

Site Investigation Rationale

2.4 Exploratory locations advanced in this investigation are summarised below comments on rationale, termination depth and monitoring installations.

Table 2	Exploratory Position Deta	nils	
Hole ID	Base Depth (m bgl)	Objective	Monitoring Well
TP1	0.8	General Coverage – inside fire damaged building footprint	No
TP2	0.8	General Coverage	No
TP3	0.9	General Coverage	No
TP4	0.9	General Coverage – inside fire damaged building footprint	No
TP5	1.0	General Coverage – inside fire damaged building footprint	No
TP6	0.9	General Coverage	No

² British Standard – Code of Practice for Investigation of potentially contaminated sites. BS 10175: 2011 + A2:2017.

³ British Standard – Code of Practice for Site Investigation. BS 5930: 2015.

⁴ Association of Geotechnical & Geoenvironmental Specialists, AGS Guide to Environmental Sampling, 2010.



2.5 Exploratory holes were located to obtain the required information to meet the project objectives, whilst avoiding services, access and egress routes. Drawing 4728-001 shows the positions of all exploratory locations.

Trial Pits

- 2.6 A total of six trial pits were excavated using a wheeled back-hoe excavator. The pits were extended through the surface soil and proved natural strata where possible, with base depths between 0.8 m bgl and 1.0 m bgl. Trial pits were positioned to provide good coverage across the site, including within the fire damaged structure (TP1, TP4 and TP5).
- 2.7 Upon completion the excavations were backfilled with arisings and soils compacted with the excavator bucket.

In-Situ Field Tests

2.8 At appropriate depths, soil samples were deposited in sealable plastic bags to allow on-site headspace analysis. Samples were left for at least 20 minutes before analysis. A photoionisation detector (PID) with 10.6eV lamp was used to measure the concentration of volatile organic compounds (VOC) within the headspace. Soil samples were agitated during analysis to encourage the release of any volatiles.

Chemical Analysis (Environmental)

- 2.9 A total of 12 soil samples were scheduled for chemical testing. Samples were analysed for a range of determinands, which considers the potential contaminants associated with the current/historical site uses, as follows:
 - Metals: arsenic, cadmium, chromium, copper, lead, mercury, nickel, zinc;
 - Inorganics: cyanide, boron, water soluble sulphate, selenium, organic carbon and carbonate
 - ► pH;
 - Total phenols (monohydric);
 - Speciated Polycyclic Aromatic Hydrocarbons (PAHs, total and speciated EPA 16);
 - Speciated Total Petroleum Hydrocarbons (TPH CWG);
 - BTEX;



Asbestos screen;

NB: Not all samples were analysed for the full suite of determinands listed above.

- 2.10 The suspected use of fire suppression chemicals previously onsite may have caused residual contamination so additional testing was scheduled as follows on three samples:
 - Potassium,
 - Ammoniacal nitrogen,
 - PFOS (Perfluoroctane Sulphate)
 - PFOA (Perfluorooctanonic Acid)
 - PFAs (Per-polyfluoroalyl Substances) and
 - Phosphate.
- 2.11 For PFOS, PFOA, PFAs and phosphate, the three soil samples underwent leachate preparation, with the subsequent testing undertaken on the leachate sample.
- 2.12 Five further soil samples were also scheduled for leachate preparation, with the subsequent testing on the leachate sample comprising:
 - Metals and inorganics: arsenic, boron, cadmium, chromium, copper, cyanide, lead, mercury, nickel, selenium, zinc;
 - ► pH;
 - Total phenols (monohydric);
 - Speciated Polycyclic Aromatic Hydrocarbons (PAHs, total and speciated EPA 16);
 - Total Petroleum Hydrocarbons (TPH CWG);
 - Sulphate;
 - Total Organic Carbon.
 - Total hardness.
- 2.13 The environmental analysis was undertaken by i2 Analytical Limited at their UKAS accredited laboratory. The results of the chemical analysis are reported in Chapter 4 and copies of the laboratory test certificates are included in Appendix C



2.14 Generally, where PID results indicated the potential of presence volatile contaminants or visual / olfactory evidence of contamination was noted, appropriate testing was scheduled in preference of those samples.



3.0 Ground Conditions

- 3.1 This chapter collates all the factual information from the site investigation, including field observations and in-situ testing, to present a summary of the ground conditions encountered during the intrusive works. Exploratory holes logs are presented in Appendix B.
- 3.2 A brief interpretation of any visual /olfactory contamination is provided at the end of the chapter, in the context of the potential sources of contamination. Field observations on the physical composition of the shallow soils is also considered in determining the suitability of the soils for retention in the proposed development (presence of sharps or deleterious materials).

Table 3	Summary Ground Model				
Strata	Min Depth (m bgl)	Max Depth (m bgl)	Min Thickness (m)	Max Thickness (m)	Exploratory Holes
Concrete	0.0	0.15	0.08	0.15	All but TP2
Made Groun	d 0.0	0.6	0.2	0.52	All
Head	0.3	1.0	0.25	0.7	All

Concrete

3.1 The average thickness of the Concrete was calculated at 0.11m, with a minimum recorded thickness of 0.1m and a maximum recorded thickness of 0.2m. Concrete was present at the surface of all the trial pits except TP2.

Made Ground

3.2 Made Ground was recorded in all exploratory holes with a minimum depth of 0.0m bgl and a maximum base depth of 0.6m bgl. The average thickness of the Made Ground was calculated to be 0.28m with a minimum thickness of 0.2m and a maximum thickness of 0.52m.

Spatial Distribution and Extent

3.3 Multiple types of Made Ground were identified at the site:



- The Made Ground in TP1 consisted of a soft to firm dark brown slightly sandy slightly gravelly CLAY. Both sands and gravels were fine to coarse with gravels of concrete, brick, tile, flint and clinker. Occasional roots and rootlets present.
- At TP2 the first stratum was Made Ground composed of black gravelly SAND containing tarmac, clinker, burnt wood and the sand was predominantly of ash. Roots and rootlets were frequently observed.
- Underlying the Made Ground at TP2 and the concrete at TP4 and TP6 there was Made Ground composed of grey silty gravelly fine to coarse SAND. The gravels typically comprised concrete, flint, brick, tile, plastic, metal, wood and clinker, and rootlets were frequently observed.
- Beneath the concrete at TP3 a greyish brown slightly sandy silty GRAVEL was identified. It was similar to the grey silty gravelly SAND found in other pits but due to its medium cobble content was categorised as a gravel. Gravels were comprised of flint, concrete, brick and clinker.
- In TP5 a layer of light yellowish brown slightly sandy slightly gravelly SILT was found. Gravels were typically fine to course of brick, flint, clinker and concrete. A similar stratum was identified in TP2 and TP3 but due to the gravels being of natural material as opposed to anthropogenic, this was classed as Head and not Made Ground.



Made Ground of gravelly ashy sand in TP2



Concrete over gravelly Made Ground and clayey Head in TP5

Anthropogenic Components & Evidence of Contamination



- 3.4 In terms of composition, man-made components within the Made Ground generally included gravels of tarmac, clinker, burnt wood, concrete, brick, tile, plastic, wood and metal. In the surface Made Ground at TP2 the sand was predominantly of ash.
- 3.5 With the exception of the ashy Made Ground at TP2, no visual or olfactory evidence of hydrocarbon or solvent-type contamination was noted within the Made Ground or the natural materials.
- 3.6 In-situ headspace readings within the soils did not indicate the presence of volatile compounds with concentrations not exceeding 0.1ppm.
- 3.7 Based on observations onsite, fragments of suspected asbestos containing material (ACM) were recorded at surface level across the site, in the form of cement-bound corrugated sheeting associated with the fire-damaged structure. It should be noted that ACM was not recorded within excavated soils.

Head

- 3.8 Head was recorded in all exploratory holes with a top depth of 0.3m bgl to a maximum base depth of 1m bgl. The average thickness of the Head was calculated at 0.52m, with a minimum recorded thickness of 0.2m and a maximum recorded thickness of 0.7m.
- 3.9 Two types of Head were found on site:
 - A yellowish-brown sandy SILT with occasional gravels of flint and ironstone was found in TP2 and TP3.
 - In every trial pit soft to firm orangish brown mottled red CLAY was found, occasionally being slightly sandy or silty and containing roots/rootlets
- 3.10 The deepest trial pit was 1m bgl which allowed for access to natural head materials, however, was not deep enough to encounter the bedrock formation or groundwater.
- 3.11 In-situ headspace readings within the Head materials did not indicate the presence of volatile compounds with a maximum concentration not exceeding 0.1 ppm.





Head and Made Ground arisings from TP4



Yellowish-brown sandy silt in TP3

Summary of Land Quality Field Observations

Table 4 Field Observations	
Consideratio	n Needed?
Evidence of Contamination	
Visual evidence of contamination has been identified during the site investigation in the form of ashy soils and potential ACM. The Made Ground at TP2 (0 to 0.1m bgl) was predominantly of ash, likely due to the fire that occurred in 2019. The fire damaged structure likely contains asbestos fragments and other potential ACMs were observed at surface level across the site. In-situ headspace testing and olfactory observations did not indicate the presence of any volatile-type contamination. The selection of samples for chemical testing and determinants analysed for has been based on the above field observations in the context of the conceptual site model and proposed development layout. These results are discussed in Chapter 4.	Yes
Gas Generation Potential	
Field observations during the investigation did not identify any significant amounts of potential gas-generating materials (such as thick ashy soils, decayed organic matter, deleterious/putrescible wastes).	No
Physical Suitability	
Based on the physical composition of the shallow soils, which were noted to contain tarmac, clinker, burnt wood, concrete, brick, tile, plastic, wood and metal, the shallow Made Ground may not be considered suitable for use as topsoil in areas of proposed soft landscaping. Topsoils generally need to be free from significant sharps, excessive stones and waste/ deleterious materials.	Yes

Drainage Potential (Shallow Soils)



Table 4Field Observations

	Consideration I	Needed?
Evidence of Contamination		
Given the expected low permeability of the clay-rich shallow soils, these soils	may not	Vac
sufficiently drain when converted to soft landscaping, which may lead to wate	rlogging	res



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- 4.1 Factual information from the site investigation and subsequent analytical data has been subjected to several semi-quantitative risk assessments. The results of these assessments are presented in Appendix D and summarised in this Chapter. This stage of risk assessment considers all laboratory data against the respective risk criteria, regardless of factors such as location, depth and proposed layout/exposure pathways; Chapter 5 considers any identified risks in the context of the proposed site layout. The assessments undertaken include:
 - Human health risk assessment (soils);
 - Water pipeline suitability test;
 - Phytotoxicity assessment;
 - Soil Aggressivity (buried concrete);
 - Groundwater quality risk assessment; and

Human Health Risk Assessment (Soils)

- 4.2 The Environment Agency 'Model Procedures for the Management of Land Contamination, CLR 11' report provides a risk management methodology for identifying hazards and assessing risk associated with land affected by contamination. CLR 11 adopts a tiered approach to determining risk, with the first tier involving the evaluation of pollutant linkages using assessment criteria / screening levels for contamination – this is known as a Generic Quantitative Risk Assessment. We have adopted LQM/CIEH Suitable 4 Use Levels (S4ULs) where available. Lead has been assessed using the Category 4 Screening Level (C4SL).
- 4.3 SGVs, GACs and S4ULs for a commercial land use scenario have been adopted with a soil organic matter content parameter of 1% for both the Made Ground and natural soils, based on site-specific organic matter content data. The commercial land use scenario is consistent with the proposed development plans set out in Chapter 1. Chemical analysis data has been compared to these risk thresholds, as presented in the Environmental Assessment Appendix; this screening process forms the generic quantitative risk assessment (GQRA).



Human Health GQRA – Made Ground

- 4.4 Samples recovered from the Made Ground underwent chemical analysis for a range of general determinands, including asbestos (seven samples), inorganics and metals (seven samples), PAH (seven samples) and TPH (seven samples).
- 4.5 Asbestos was analysed for in seven samples and was not detected.
- 4.6 All determinands were found to be either below the limit of detection or below their respective screening criteria: all metals and inorganics, all 16 PAH compounds, all 14 TPH fractions, BTEX, phenols.
- 4.7 In summary, none of the determinands analysed for in the Made Ground exceeded the risk thresholds and the chemical quality of the shallow soils is not considered to present a risk to human health based on a commercial end use.

Human Health GQRA – Natural Soils

- 4.8 Samples recovered from the natural ground underwent chemical analysis for a range of general determinands, including asbestos (five samples), inorganics and metals (five samples), PAH (five samples), TPH (five samples).
- 4.9 All determinands were found to be either below the limit of detection or below their respective screening criteria: all metals and inorganics, all 16 PAH compounds, all 14 TPH fractions, BTEX, phenols.
- 4.10 In summary, none of the determinands analysed for in the natural ground exceeded the risk thresholds and the chemical quality of the natural ground is not considered to present a risk to human health, based on a commercial end use.

Fire Suppression Chemicals within the Made Ground

4.11 Due to the presence of a fire damaged structure onsite and the use of fire suppression chemicals to extinguish the fire, three samples from the Made Ground were analysed for Potassium, Ammoniacal nitrogen, PFOS (Perfluoroctane Sulphate), PFOA (Perfluoroctanonic Acid), PFAs suite (Per-polyfluoroalyl Substances) and Phosphate. These samples were taken from the shallow Made Ground within TP2, TP4 and TP5 which were located within the former building footprint or where evidence of fire damage was noted.

- 4.12 Typical chemicals used in fire suppression include monoammonium phosphate, sodium bicarbonate, potassium bicarbonate and potassium chloride. In addition, PFOS, PFOA and PFAs are also found in fire extinguishing foam, specifically aqueous film forming foams, which are used to extinguish flammable liquid based fires. The concern with PFOS, PFOA and PFAs is that they break down very slowly and can accumulate inside people and in the environment over time. Therefore, the chemicals analysed for the determinands as listed above aimed to assess the potential presence of fire suppression chemicals within the shallow soils onsite.
- 4.13 Within TP2, TP4 and TP5, analysis of the leachate samples for PFOA, PFOS and PFAs suite recorded concentrations of all determinands below laboratory detection limits. Phosphate was also tested for on the prepared leachate sample, with concentrations ranging from 33µg/l in TP4 to 900µg/l in TP2. It is noted that TP2 recorded a high percentage of ashy / fire impacted soils and that therefore this elevated concentration of phosphate is considered to be an indication of the presence of ammonium phosphate within the shallow soils, which is a fire extinguishing agent.
- 4.14 Water soluble phosphate as P and as PO4 were also tested for. In TP4 and TP5 the concentrations did not exceed laboratory detection limits, however in TP2 concentrations of 3.6mg/kg and 3.3mg/kg respectively were recorded, which is likely another indication that the shallow soils at TP2 have been impacted by the use of fire suppression chemicals.
- 4.15 Ammoniacal nitrogen as N and as NH4 were tested for on the three samples, as another indicator for the presence of the fire suppression chemical monoammonium phosphate, however concentrations recorded did not exceed laboratory detection limits.
- 4.16 In order to provide an indication of the presence of potassium bicarbonate and potassium chloride, potassium was also tested for, with concentrations ranging from 1700mg/kg in TP2 to 3300mg/kg in TP4. This indicate that the shallow soils across the building footprint may have been locally impacted by the use of fire suppression chemicals.



4.17 With regards to risks to human health and controlled waters, risk threshold values are not readily available in the UK to help quantify the potential level of risk from the recorded concentrations. The absence of PFOA, PFOS and PFAs chemicals indicates that the risks posed to human health and controlled waters from these chemicals is low. However, elevated concentrations of phosphate and potassium, particularly within the shallow soils at TP2, indicate that there is the potential for contamination to be present as a result of the use of fire suppression chemicals and that this risk requires further assessment within the context of the site conceptual model.

Water Pipeline Suitability Test

- 4.18 The development is likely to require the installation of new potable water pipes. UK Water Industry Research (UKWIR) guidance⁵ sets chemical concentration thresholds that are used to specify a pipe design that is considered safe. Water pipes will likely be placed at a minimum depth of 750mm as normally required by UK water authorities.
- 4.19 The available testing results indicate that Made Ground concentrations pose a risk to potable water pipes. The Made Ground data failed the tests relating to PE (polyethene) pipes for Mineral Oils (C11 to C20).
- 4.20 However, considering the maximum depth of Made Ground was recorded as 0.6m bgl and potable water pipes are typically placed at a depth of 0.75m bgl as required by UK water authorities, potable water pipes will be lain in natural soils on site, within which Mineral Oils (C11 to C20) were identified as not exceeding the limit of detection. Therefore, a low risk to potable water pipes has been determined and PE pipes are considered suitable for use.

Phytotoxicity Assessment

4.21 The recorded concentrations of copper, nickel and zinc have been compared against the BS3882: 2015⁶ thresholds for phytotoxic contaminants in soils to determine if a potential risk to healthy plant growth exists. \mathcal{L}

⁵ UK Water Industry Research (UKWIR). Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites. Ref. 10/WM/03/21. 2010

⁶ British Standard BS 3882:2015 (Specification for topsoil and requirements for use)



- 4.22 As shown in the Environmental Assessment Appendix, from the Made Ground, the following were noted above risk criteria considered protective of healthy plant growth zinc was recorded above criteria (300mg/kg) in three samples:
 - TP2 (0.10-0.20 m bgl) at 320mg/kg,
 - TP2 (0.30-0.40 m bgl) at 320mg/kg,
 - TP1 (0.20-0.30 m bgl) at 390mg/kg.
- 4.23 The presence of elevated phytotoxic metals in the Made Ground may therefore impact healthy plant growth.
- 4.24 For the natural soils, concentrations of phytotoxic metals were below the risk criteria.

Soil Aggressivity (Buried Concrete)

- 4.25 The analytical data for soil pH and water-soluble sulphate is summarised in the Environmental Assessment Appendix, along with the corresponding BRE classification⁷. The 'brownfield' scenario was applied to the results from the Made Ground and the 'natural' scenario to results from the natural ground. A static groundwater scenario was selected for the buried concrete assessment for both the Made Ground and natural soils based on groundwater conditions observed on site.
- 4.26 From the Made Ground, seven samples were tested along with five samples from the natural soils. The characteristic values for the Made Ground for pH and water-soluble sulphate were determined as 6.6 and 1.6g/l respectively, giving a Design Sulphate (DS) classification of DS1 and an associated Aggressive Chemical Environment for Concrete (ACEC) classification of AC-1s. The characteristic values for the natural soils for pH and water-soluble sulphate were determined as 4.9 and 0.4g/l respectively, giving a DS classification of DS1 and an associated ACEC classification of AC-1s.
- 4.27 The potential for oxidisable sulphide has not been considered in this assessment as either pyrite is unlikely to be present in significant amounts, or the concrete is unlikely to be exposed to disturbed ground which might be vulnerable to oxidation.

⁷BRE Guidance Special Digest 1. Concrete in Aggressive Ground. 3rd Edition, 2005.



Groundwater Quality Risk Assessment

- 4.28 Soil contamination has the potential to leach into underlying shallow groundwater. On-site groundwater quality can also be adversely impacted by off-site groundwater contamination migrating down hydraulic gradient onto site. Although groundwater was not encountered in the site investigation, the risk of contaminants in the soils must be considered due to the high sensitivity of the groundwater body within the Hythe Formation, which is classified as a Principal Aquifer and directly underlies the superficial Head deposits across the site.
- 4.29 In order to assess the risks to groundwater within the Hythe Formation, five samples from the Made Ground were submitted for leachate analysis for a range of general determinands, including inorganics and metals, PAHs and TPH CWG. The purpose of the leachate analysis was to determine if any of the contaminants within the Made Ground were readily leachable and could therefore be mobilised and enter either localised shallow groundwater within the Head deposits or the deeper groundwater body within the Hythe Formation. The results of the leachate analysis have been compared to the UK DWS and the WHO DWS based on the classification of the Hythe Formation as a Principal Aquifer.
- 4.30 All determinands were found to be either below the limit of detection or below their respective UK DWS and WHO DWS. Therefore, it is considered unlikely that the concentrations of contaminants within the Made Ground pose an unacceptable risk to groundwater quality within the Hythe Formation. Furthermore, the presence of low permeability Head Deposits directly underlying the Made Ground, will also act as barrier to the potential vertical migration of any mobilised contamination, which will further reduce the risk posed to groundwater within the Hythe Formation.

Table 5 Assessment Summary			
	Possible Issue Identified?		
Human Health Risk Assessment (soils) No			
Water Pipeline Suitability Test	No		
Phytotoxicity Assessment	Yes		
Soil Aggressivity (buried concrete)	No		

Summary of Quantitative Risk Assessments



Table 5 Assessment Summary		
Groundwater Quality Assessment	No	
Fire Suppression Chemicals (soils and groundwater) Yes		



5.0 Phase 2 Conceptual Model & Risk Assessment

Introduction

- 5.1 A preliminary conceptual site model was included within the previous Desk Study report¹, which identified potential sources of contamination attributable to the historical and current site uses. This Phase 2 Site Investigation was subsequently designed to further assess the identified potential sources of contamination whilst also gathering information on the environmental setting and receptors (e.g. ground conditions, groundwater etc).
- 5.2 This chapter considers the results from the quantitative risk assessments in the context of the wider conceptual site model, particularly the proposed development layout, field observations and ground conditions recorded during the investigation, and any other relevant information such as groundwater flow etc, anticipated enabling work etc. Considering the quantitative risk assessment results alongside these factors provides an updated qualitative risk rating and represents a secondary more site-specific tier of assessment.
- 5.3 Where potential issues have been identified following the quantitative risk assessment in Chapter 4, these have been considered in this next phase of assessment, supplemented with the field observations set out in Chapter 3. Quantitative assessments which did not identify any issues have not been considered further.

Acceptably Low Risks – Final Development Context

- 5.4 Considering the risk assessment results in the context of the proposed site use and configuration of specific areas of active exposure pathways (such as areas of soft landscaping) and the spatial distribution of contamination, or the wider context of controlled water sensitivity, the risk ratings may change.
- 5.5 <u>Water Pipeline Suitability Test:</u> Soil concentrations of Mineral Oils (C11 to C20) within the Made Ground failed tests for PE pipes, highlighting a risk to potable water pipes. However, considering the maximum depth of Made Ground was recorded as 0.6m bgl and potable water pipes are typically placed at a depth of 0.75m bgl as required by UK water authorities, potable water pipes will be lain in natural soils on site, within which Mineral Oils (C11 to



C20) were identified as not exceeding the limit of detection. Therefore, a low risk to potable water pipes has been determined.

5.6 <u>Phytotoxicity:</u> Soil concentrations for zinc within the Made Ground exceeded risk criteria considered protective of healthy plant growth in two locations (TP1 and TP2). However, it is noted that these elevated concentrations were located on the northern site of the site, whilst any proposed soft landscaping is adjacent to the southern boundary only. Furthermore, two exploratory hole locations adjacent to the proposed soft landscaping did not identify elevated concentrations of zinc. Therefore, a low risk to flora has been determined.

Identified Risks of Concern – Final Development Context

Any issue(s) identified following the second phase of assessment have been grouped into relevant Contamination Issues. A Contamination Issue can either have a common source, contaminant or receptor, and either one or more risk ratings as a result. The following table(s) summarise the identified contamination issues.



Area of Site

Area of the site impacted by the onsite fire, mainly the northern and central areas – TP2, TP4 and TP5

Contaminants of Concern			
Phosphate and Potassium			

USTRE

Receptor Category at Risk Human Health and Groundwater

Source Details (occurrence and distribution)

An elevated concentration of phosphate were recorded within the shallow Made Ground at TP2, which could be indicative of a localized impact on the shallow soils from the fire suppression chemicals given that TP2 was located adjacent to the footprint of the building which was damaged by fire and ashy material was also noted across this area. Similarly, potassium was also marginally elevated within the shallow soils in TP2, as well as TP4 and TP5, which were located within the footprint of the fire damaged building. However, given the former agricultural use of the site, the elevated concentrations could also be linked to this. In addition, the concentrations of PFOs, PFAs and PFOA (other fire suppression chemicals) were recorded below laboratory detection limits within TP2, TP4 and TP5.

Given the presence of low permeability Head Deposits beneath the site, the presence of any potential fire suppression chemicals within the shallow Made Ground are considered to pose a low risk to groundwater quality within the Hythe Formation, as the Head Deposits will limit the potential for the vertical migration of any mobilized contamination and therefore limit the potential for contaminants to entre the Hythe Formation.

Context of Proposed Development and Layout

Based on the proposed layout plans, TP2, TP4 and TP5 will be situated under hardstanding (either the proposed new building or external hardstanding) therefore the presence of hardstanding will break the pathway between future site users and the potentially fire suppression impacted Made Ground. In addition, the presence of hardstanding across these areas will also limit the potential for mobilization of contaminants by stopping infiltration, which further reduces risks to groundwater.

Risk Summary

Acknowledging the proposed building and hardstanding configuration, resultant risks to end users are only present in areas of proposed soft landscaping.

<i>, , , , , , , , , ,</i>	1 5	
Receptor	Risk Rating	Notes
Human Health	Low	Presence of hardstanding will break the pathway
Groundwater	Low	Presence of hardstanding will limit infiltration

Impact to Development

No unacceptable impacts to development have been identified. It is recommended that during the development works, the ashy soils / material at TP2 is removed.

6.0 Conclusions & Next Steps

- 6.1 A Phase 2 Site Investigation has been undertaken to support the proposed redevelopment of a site located off Gravelly Bottom Road in Kingswood, Kent, in order to comply with Condition 4 of the relevant Planning Decision Notice - Reference 22/505903/FULL. The objective of the works was to provide information on the contaminative status of the site whilst obtaining information on the shallow ground conditions.
- 6.2 It is understood that the development proposals for the site involve the full clearance of the fire damaged structure to create a new industrial/commercial scheme. The proposed site plan includes a replacement low rise industrial building, external hardstanding for parking spaces and an area of soft landscaping along the southern site boundary for tree screening. There are no basements, undercroft car parking or other underground structures anticipated with below ground features limited to foundations and buried services.

Ground Condition Summary

- 6.3 Made Ground was found in every exploratory hole from surface to a maximum depth of 0.6m bgl. The predominant material was found to be sand. The average thickness of the Made Ground was calculated to be 0.28m. All types of Made Ground contained anthropogenic materials such as clinker, tarmac, concrete, brick, plastic and metal. No visual or olfactory evidence of hydrocarbon contamination was identified.
- 3.12 Underlying the Made Ground was various types of Head material comprising sands, silts and gravels, that went on to become an orangish brown clay deeper down. The head materials had a minimum depth of 0.3m bgl and a maximum depth of 1m bgl (base of holes). The average thickness of the Head was calculated at 0.52m.

Contamination Risk

- 6.4 This investigation has shown that the contaminative status of the site should not be prohibitive to the proposed redevelopment of the site.
- 6.5 As illustrated in Chapter 4 all of the contamination risks attributable to viable pollutant linkages were considered to be low and very low and as such no remedial measures are



considered necessary in order to support the proposed redevelopment. However, it is recommended that following are implemented:

- At TP2 the first stratum was Made Ground which comprised black gravelly SAND containing tarmac, clinker, burnt wood and ash should be removed. This stratum was recorded between surface and 0.10m bgl.
- A layer of clean certified topsoil, 150mm in thickness, should be placed across the proposed area of soft landscaping on the southern boundary in order to provide a suitable growth medium of the tree screening.

Planning Considerations & Next Steps

6.6 This Phase 2 report should be submitted to the local planning authority to discharge planning condition 4.1 under application reference 22/505903/FULL. As noted above, no formal remedial works are considered necessary, however the Local Planning Authority may require the above recommendations to be formalised within a Remediation Strategy, which would be required to discharge condition 4.2.

Non-specialist Environmental Watching Brief

- 6.7 It is prudent to ensure a watching brief is carried out by a suitable person on-site throughout the works who is experienced and capable of identifying signs of potential contamination, including, but not limited to, staining, unfamiliar odours and visual evidence of potentially contaminated/ hazardous materials such as asbestos.
- 6.8 If any suspected ground contamination such as unusual odours, visually impacted soils/water, suspected asbestos or any potentially hazardous waste not recorded during this investigation is encountered during the works, further sampling and testing should be carried out under supervision by Lustre. This will allow the determination of the appropriate management and mitigation measures to address any potential risks as part of the development of the site.

Unforeseen Ground Contamination

6.9 A reasonable amount of skill and care, as expected, has been used to deliver this investigation in accordance with the agreed scope of work and meet the required objectives.



However, the potential for unforeseen contamination to be present, or encountered during future groundworks, maintenance works and/or site clearance/redevelopment works cannot be entirely eliminated. This will be particularly important when working within the vicinity of areas that were not investigated, or the method of investigation employed was limited due to safety (i.e. live underground services), access, financial, public relations, third party intervention and/or risk etc. which influenced the scope of the investigation. A site investigation can only provide a snapshot of the ground conditions encountered at the time covering a relatively small proportion of the site, with samples only representing discrete parcels of ground. Care and diligence are advised even if a site investigation records a low or very low risk of contamination. Lustre cannot be held responsible for unforeseen contamination that may be present or encountered in the future.

Statutory Designation

6.10 It is our opinion, based on the findings of this Phase 2 Site Investigation, that the site would not be designated as statutory contaminated land by the Local Authority in accordance with the published Statutory Guidance. It is advisable however that any recommendations to reduce the risk ratings noted in the previous chapter are implemented fully, to ensure the site becomes safe and compliant.



7.0 Construction Phase Advisory Matters

7.1 Aside from land contamination issues that require consideration under the planning regime, the findings of this investigation impact other aspects of the construction phase. These items often require action to ensure that you continue to have a safe and compliant site and include matters such as waste soil classification, managing contamination during construction, drainage conditions, impacts of piling etc.

Waste Classification of Soils

- 7.2 The development will require soils to be removed from site as part of the groundworks and construction process. Guidance set out in the Waste Framework Directive and the Environment Agency's Technical Guidance WM3 Hazardous Waste, provides information and controls on how sites should manage and dispose of waste soils. Waste producers have a duty of care under the waste regulations which initially requires them to classify the waste they produce before it is collected, disposed of or recovered, to identify any controls that apply to the waste movement, to complete relevant documents and records, to identify suitably authorised waste management options and to prevent harm to people and the environment.
- 7.3 This section provides information on the preliminary waste classification of soils, which may require removal from site. It is important to note that the regulations require waste producers to classify any waste soils; however, the soils assessed as part of this investigation may not be representative of the soils being removed from site during redevelopment and therefore consideration should be given by the waste producer if further testing of waste soils is needed prior to disposal, to ensure the actual waste soils leaving the site is classified appropriately.

USEFUL INFORMATION ON WASTE, CODES AND DISPOSAL			
When do Soils Become a Waste?	Any man-made soils (such as Made Ground) or contaminated soils become a waste when excavated from the ground and must be disposed of off-site, unless suitable permits are granted to allow re-use. Uncontaminated natural soils which are excavated and have a certainty for re-use on site as part of redevelopment works are not considered a waste.		
What are Mixed Soil Wastes?	Mixed wastes are soils which contain materials that could be classified differently. Mixed waste should be assessed separately and undergo a form of pre-treatment and/or segregation prior to disposal. Mixed wastes could		



USEFUL INFORM	IATION ON WASTE, CODES AND DISPOSAL		
	include soils contaminated with ACM – in this case both the ACM fragments and soils would require separate assessment and disposal. Mixing of hazardous wastes and soils with different hazardous substances (hydrocarbons, asbestos etc) is prohibited under the Waste Framework Directive.		
Measures should be implemented on site to segregate waste streedDo I Need tonatural material stockpiled separately from any Made GroundSegregate Myoversized and waste materials (such as construction waste, ACMsWastes?metals etc), will require segregation from the soil (where practica separate and appropriate disposal.			
What are the Available Waste Classifications?	Waste soils must fall into one of two categories: Hazardous or Non- Hazardous. Each classification results in the following European Waste Codes (EWC codes): Hazardous soils: 17-05-03 (soil and stones containing hazardous substances) Non-Hazardous soils: 17-05-04 (soil and stones) The term 'inert' is not strictly a classification of waste. These codes relate to Chapter 17 in the List of Waste, as construction and demolition wastes (including excavated soil from contaminated sites). The case for hazardous waste is unrelated to soils that may have been identified as "hazardous" from a human health risk assessment.		
What Makes a Waste Hazardous?	Concentrations of contaminants which exceed established hazardous properties (HP) and/or statements. This can include the presence of asbestos >0.1%, high concentrations of certain metals, significant hydrocarbon contamination etc. The Hazardous properties thresholds for waste classification are different to screening values for assessing risks to human health. A waste soil could be classified as hazardous based on the accumulative effect of contaminant concentrations, but not pose a risk to human health based individual contaminant concentrations.		
What are the Landfill Options?	Waste soils can be disposed of at hazardous landfills, non-hazardous landfills and inert landfills. Some sites, which are not landfills such as recovery and restoration sites, often have similar but more stringent criteria for receiving inert soils. It is the responsibility of the waste producer to ensure that the chosen waste recovery or disposal site is able to accept the waste soils and that the EWC codes for waste soils from construction and demolition are included on the receiving sites Environmental Permit.		
Soils Suitable for Disposal at an Inert Landfill	 'Inert' is not a waste classification, but a category of waste recipient which can only accept waste that acts in an inert way when deposited. Soils suitable for disposal at an inert landfill must not undergo any significant physical, chemical or biological transformations (dissolve, burn, physically or chemically react, biodegrade etc) in a way likely to cause environmental pollution or harm to human health. Practically it must be non-hazardous, not contain organic materials, plastics, metals, contamination etc, and meet the criteria for 'inert' disposal through Waste Acceptance Criteria (WAC) testing. Given the variability of Made Ground and potential for this soil type to contain a significant amount of non-inert materials which cannot be readily segregated, Made Ground won't often be considered suitable for disposal at an inert landfill. However, if the soils contain an incidental amount of non-inert materials (following segregation), are relatively homogenous, non- 		



USEFUL INFORMATION ON WASTE, CODES AND DISPOSAL			
	hazardous and meet the inert WAC criteria then this material can be disposed of at an inert landfill.		
	However, it is noted that certain wastes may be disposed of as inert without testing. Council Decision 20003/33/EC Annex, 2.1.1 lists those wastes that meet the definition of inert waste in Article 2(e) of the Landfill Directive. In the case of suspicion of contamination testing should be applied		
When do I Need a WAC Test?	WAC testing is only needed when soils are found to be hazardous or could be disposed of at an inert landfill. WAC testing is not required if the soils are non-hazardous and plan to be disposed of as a non-hazardous landfill. A WAC test does not classify the waste!		

Preliminary Waste Assessment of Soils

7.4 Detailed information on the process adopted in this preliminary waste assessment is set out in Appendix A. The table below summaries the findings of the preliminary waste assessment based on the results of the chemical testing discussed earlier in this report.

Table 6	Preliminary Waste Assessment of Soils				
Soil Type	Area / Type	Waste Classification	Waste Code	Disposal Route / WAC Result	Comments
Made Ground	Site Wide	Non-hazardous	17 05 04	Non-hazardous landfill	Presence of non-inert materials (organics)
Natural Soils	Site wide	Non-hazardous	17 05 04	Inert (TBC by WAC)	Homogenous natural soils

7.5 Copies of all HazWasteOnline results are provided in Appendix D.

Asbestos in Soils and Waste Classification

7.6 If asbestos contaminated soils are present on site, specific measures need to be put in place to safely manage these arisings. Any visible ACM fragments (>50mm) in soils will result in that material being classified as hazardous waste. If the visible fragments are removed and the free fibre content is below 0.1%, the soils would become non-hazardous waste (17-05-04, assuming no other hazardous properties have been identified in that material).

Waste Related Recommendations

- 7.7 As noted above, it is advisable that the waste producer considers the classification of soils above in the context of the exploratory locations advanced in this investigation and the actual locations and depths of soils requiring disposal (once this information is known).
- 7.8 If any tanks, drums, scrap metal or other wastes are present on site, these will require separate assessment and disposal to remove these materials. Records should be kept of the removal of these waste items.
- 7.9 In addition, the following site-specific recommendations are made regarding waste classification. It is noted that these recommendations only apply if soils in these locations require excavation and off-site disposal; if soils in these locations remain in-situ, these points do not require actioning):
 - Any oversized, non-inert and non-soil materials within the Made Ground (such as construction waste, metals, plastic and wood) should be segregated from the Made Ground for separate and appropriate disposal or recovery.
 - WAC testing may be required by the waste recipient if the disposal route is likely to be an inert landfill or a hazardous landfill.

General Responsibilities (Waste)

- 7.10 The Client and contractors involved in the excavation, segregation and off-site disposal are responsible for the correct management and pre-treatment of waste spoil generated by all earthworks. These parties have a duty of care which requires suitable management and disposal of wastes in accordance with the regulations. Given that Lustre does not have any significant involvement during the earthworks phase, full responsibility for waste management rests with the principal contractor/waste producer.
- 7.11 The waste producer must retain a copy of all waste consignment notes, waste hauler documentation and waste recipient documentation and licenses.

Preferential Pathways (Foundations)

7.12 Deep foundations could result in the creation of preferential pathways and movement of potentially contaminated soils to depth. Depending on the site circumstances, these

processes can result in a deterioration of groundwater quality. The use of deep foundations is considered unlikely to impact groundwater given that significant soil contamination has not been identified which could be potentially mobilised to impact groundwater through piling.

Asbestos in Soils

7.13 This report does not specifically consider the risk from asbestos in soils to construction workers. It is generally recommended that if asbestos has been recorded in soils on site, the groundworks contractor should prepare a detailed method statement for the excavation, handling and storage of asbestos contaminated soil (ACS), in addition to implementing an asbestos watching brief. As a minimum, the groundworks contractor should hold the appropriate level of asbestos awareness training and be competent in managing ACS. The risk from asbestos to groundworkers should be clearly understood and communicated to those working with soils on site.

Imported Soils and Recycled Crush

7.14 Any soils or crushed concrete imported to site during the development which will be retained on site should be checked to ensure they do not contain contaminants which may pose a risk to future site users. Evidence of due diligence in this regard is often requested by regulators to demonstrate that imported materials do not contain contaminants such as asbestos

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Drawings


APPENDIX A: Reference Information

PHASE 2 REFERENCE INFORMATION

APPROACH TO INVESTIGATIONS & CONTAMINATED LAND DEFINITIONS

Environmental site investigations are prepared in keeping with best practice and current planning guidance, where practicable and in accordance with the approved scope of work. The National Planning Policy Framework (NPPF)⁸ advises regulatory consultees to ensure that adequate site investigation information is provided at the initial planning stage, whilst the Land contamination risk management guidance (LCRM, October 2020) requires a phased, risk based approach when dealing with land affected by contamination in the UK.

References to the term "contaminated land" in our reports relate to the statutory definition of contaminated land under the recently published Contaminated Land Statutory Guidance unless otherwise stated (also known as Category 1 and 2 under Part 2A). That definition is: "any land which appears to the Local Authority in whose area it is situated to be in such a condition, by reason of substances on in or under the land that –

- a) Significant harm is being caused or there is a significant possibility of such harm being caused; or
- b) Significant pollution of water environment is being caused or there is significant possibility of such pollution being caused".

Other terms such as "land affected by contamination" or "land contamination" refer to the much broader categories of land where contaminants are present but usually not at a significant level of risk to be classified as contaminated land under the definition Part 2A (also known as Category 3 or Category 4 under Part 2A).

The National Planning Policy Framework (NPPF) states that "land should be suitable for its new use and as a minimum, after carrying out remediation (if required), the land should not be capable of being determined as contaminated land under Part 2A of the Environmental Protection Act 1990".

NOTES ON LOGGING & SAMPLING

For all exploratory holes excavated, soil arisings are recovered and logged to BS5930: 2015⁹. Where possible, observations on groundwater ingress and excavation stability are made. Soil arisings are then typically inspected for visual and olfactory evidence of contamination with samples recovered at varying depths for analysis depending on the scope of works. Disturbed and undisturbed samples (where applicable) are taken in accordance with guidance and deposited in suitable containers, prepared and dispatched to a UKAS (United Kingdom Accreditation Service) accredited laboratory.

If appropriate to the nature of the works, soil samples from the Made Ground or potentially contaminated soils are also deposited in sealable plastic bags to allow on-site headspace analysis. Samples are then left for at least 20 minutes before analysis and a photo-ionisation detector (PID) with 10.6eV lamp used to measure the concentration of volatile organic compounds (VOC) within the headspace. Soil samples are gently agitated during analysis to encourage the release of any volatiles.

QUANTITATIVE RISK ASSESSMENTS

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⁸ Department for Communities and Local Government, National Planning Policy Framework, 2019.

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⁹ British Standard – Code of Practice for Site Investigation. BS 5939: 2015.

Human Health GQRA

To determine whether contamination presents an unacceptable level of risk to human health, concentrations of potential contaminants are screened against risk threshold values. Historically, these values had been in the form of Generic Assessment Criteria (GAC) and Soil Guideline Values (SGVs), published by regulatory and advisory bodies. However, in response to revised Part 2A Statutory Guidance, Defra published Category 4 Screening Levels (C4SLs) for six determinands to provide a simple test for deciding when land is 'suitable for use' and demonstrably not 'contaminated land'. The supporting documentation from Defra¹⁰ acknowledges that where C4SLs exist, these values represent a greater risk threshold (i.e. low risk) rather than the previous SGVs/GACs (i.e. no risk). Acknowledging that the C4SLs were primarily intended for use under Part 2A Statutory Guidance, LQM in collaboration with the Chartered Institute of Environmental Health (CIEH), subsequently published a third set of generic assessment criteria known as LQM/CIEH Suitable 4 Use Levels (S4ULs)¹¹. The S4ULs are based on the 'minimal or tolerable level of risk' as defined in previous Environment Agency guidance (namely SR2¹²) which underpinned all previous SGVs/GACs. The National Planning Policy Framework (NPPF)¹³ requires that planning decisions undertaken by the Local Planning Authority should decide if a site is suitable for its new use and not just whether the site is determinable under Part 2A. Whilst Defra states that the C4SLs could be applied under the planning regime, it is acknowledged that these screening levels were primarily published to support the Part 2A Statutory Guidance. Taking this into account, the S4ULs are often used in the first instance. Where an exceedance above these levels is identified, comparison against C4SLs will generally be undertaken, with consideration given to the applicability of a less conservative threshold.

Water Pipeline Suitability Test

Often, at the time of site investigation, the route of any proposed potable water pipes are not known, or are largely inaccessible if an existing development is present. As such, potable water pipe assessments are based on the shallow soils across the site as a whole. In accordance with UKWIR guidance, we consider determinands for assessment based on the historical use of the site. Available analytical data is then compared against the UKWIR thresholds. The assessment of ethers, nitrobenzene, ketones, aldehydes and amines are often not considered applicable. The assessment of mineral oil is undertaken using the results from any speciated TPH test data, which provides a breakdown of the hydrocarbon fractions.

Groundwater GQRA

When assessing the risks to groundwater, the screening criteria adopted includes the UK Drinking Water Standards (DWS) as specified in Water Quality Regulations 2000¹⁴, Environmental Quality Standards (EQS) for freshwater¹⁵ and World Health Organisation (WHO) standards for drinking water quality^{16.} The hierarchy that these are adopted is based on the conceptual site model and the most sensitive receptors in the context of the site and the local use of any groundwater. In the absence of UK published guidance values for total petroleum hydrocarbons, the WHO guideline values (provided in Petroleum Products in Drinking Water guidance) are adopted^{17.} The use of the lowest screening criteria for an individual TPH fraction has been adopted as set out in the guidance, which provides a conservative assessment for TPH.

¹⁰ SP1010: Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination – Policy Companion Document, March 2014

¹¹ The LQM/CIEH S4ULs for Human Health Risk Assessment, 2015. Copyright Land Quality Management Limited reproduced with permission; Publication Number S4UL3455.

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¹² Environment Agency, Human Health Toxicological Assessment of Contaminants in Soil (SR2), January 2009

¹³ Department for Communities and Local Government, National Planning Policy Framework, 2019

¹⁴ The Water Supply (Water Quality) Regulations 2000

¹⁵ Environmental Quality Standards, The Water Supply (Water Quality) Regulations 2002

 $^{^{16}}$ World Health Organisation (WHO) Guidelines for Drinking Water Quality, 1984

¹⁷ Petroleum Products in Drinking-water, WHO (WHO/SDE/WSH/05.08/123)

Ground Gas Risk Assessments

Ground gases such as methane and carbon dioxide can be generated naturally from the ground, particularly where decaying organic matter is present. These gases can also be generated by buried degradable waste or other organic compounds in Made Ground / infilled ground. Carbon dioxide and methane can migrate through the soil over significant distances and enter buildings via the subfloor void or other entry points. The hazard associated with methane is explosion, whilst for carbon dioxide the hazard is asphyxiation, particularly in confined spaces. BS 8485:2015¹⁸ sets out a series of gas screening values to enable the assessment of risk, depending on the type and sensitivity of the proposed buildings on site.

CONCEPTUAL MODEL & QUALITATIVE RISK ASSESSMENTS

The objective of a conceptual model is to firstly identify potential contaminant sources, pathways and receptors relating to the site and surrounding area based on the findings of this investigation. This information is then collated, and a qualitative risk assessment carried out in line with good practice and current guidance^{19,20} to assess any viable source-pathway-receptor pollution linkages. The potential for a pollution event to occur is then evaluated using a risk classification tool^{21.} The level of risk is assigned by considering the likelihood that a pollution event might occur with the consequence its occurrence. The consequence is essentially a measurement of the severity of a hazard or source (e.g. contaminated soil) and sensitivity of the receptor (e.g. aquifer type or end user).

REMEDIATION AND VALIDATION

Following the identification of unacceptable risks to receptors in a site investigation, either more investigation is required to better understand the risk, or often remediation is required. Remediation aims to lower the risk to an acceptable level by either removing the source or breaking / reducing the pathway. The methodology for carrying out any remediation is documented in a Remediation Strategy, and typically forms the third stage in the iterative risk-based approach. The strategy requires regulatory approval before commencing the actual remedial work. Remediation requires careful management and planning, with inspections and testing by the consultant to verify that the remediation has been undertaken in accordance with Remediation Strategy. Information collected over the course of the remedial work is then compiled into a Verification Report in line with the Environment Agency's Evidence, Verification of Remediation of Land Contamination²².

NOTES ON WASTE CLASSIFICATION (SOILS)

Guidance set out in the Waste Framework Directive and the Environment Agency's Technical Guidance WM3 Hazardous Waste, provides information and controls on how sites should manage and control waste soils. The first stage of the waste assessment, as set out in Technical Guidance WM3 Hazardous Waste, requires the chemical composition of the soils to be determined by analytical testing, in order to determine if the soils should be classified as hazardous or not hazardous. The second stage requires a Waste Acceptance Criteria (WAC) test to determine the case of inert or non-hazardous waste disposal routes for the soil. Landfills have set criteria for wastes which they can legally accept, and the WAC test therefore provides information on which type of landfill can accept the waste.

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¹⁸ BS 8485:2015+A1:2019 Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings.

¹⁹ Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66, NHBC, 2008.

²⁰ Construction Industry Research and Information Association (CIRIA). Contaminated Land Risk Assessment. A Guide to Good Practice. CIRIA C552 2001.

²¹ Department of the Environment, Transport and the Regions, Environment Agency and Institute of Environmental Health. Guidelines for Environmental Risk Assessment and Management. HMSO July 2000.

²² Environment Agency, Evidence, Verification of Remediation of Land Contamination, SC030114/R1, 2010

Only contaminated soils which are excavated will require classification and assessment for waste disposal as under the Waste Framework Directive, as these soils cannot be re-used on site. In-situ, unexcavated contaminated soils do not require classification. Also uncontaminated soils and other naturally occurring material excavated in the course of construction activities, when it is certain that the material will be used for the purposes of construction in its natural state, on the site from which it was excavated, also do not require classification.

Waste Classification Methodology

The first stage of this assessment is to assign a waste code to the soils requiring classification. This is obtained from the 20 Chapters of The List of Waste (England) Regulations 2005 and includes the consideration of both mirror entries and absolute entries. For mirror entries the soils requiring disposal will be assessed within the HazWasteOnline tool to determine if hazardous properties are present and therefore if the mirror hazardous or mirror non-hazardous code is applicable to the waste classification.

The results of the laboratory analysis are screened in a propriety hazardous waste assessment tool (HazWasteOnline) to determine if the soils would be considered hazardous from a waste disposal perspective. Concentrations of each contaminant are screened to determine if they exceed any of the sixteen hazardous properties (HP) and/or statements as set out the Environment Agency's Technical Guidance WM3 (Guidance on the classification and assessment of waste, 1st edition 2015).

The initial waste assessment on HazWasteOnline identifies those contaminants which exceed any of the sixteen hazardous properties / statements. This is based on the presence of individual anions or cations identified during the chemical analysis of the soils. However, this analysis does not always identify which specific components are present. Where possible, further information has been obtained on which precise substances are likely to be present within the soils, based on the known historical and current site uses and operations. This information can be used to rule out the presence of 'worst case' substances within the HazWasteOnline tool. Further information on the specific assumptions made during the waste assessment are provided in the Assumptions Section below and in the HazWasteOnline output sheet included as an attachment to this letter report.

Following the application of project specific assumptions, a detailed waste assessment has been generated. As part of the detailed waste assessment, consideration has also been given to whether the soils should be considered as a single population or as sub populations based on field observations or the presence of specific contaminants.

Waste Assessment Assumptions

Based on our current understanding of historical and current site operations, the following assumptions have been applied within the HazWasteOnline tool, unless explicitly stated in Chapter 7:

- HP3 Flammable has been discounted as a viable Hazardous Property as the soils considered within this assessment are a solid waste without a free draining liquid phase. This is likely due to advice from the laboratory indicates that testing for flammability was not appropriate due to the low level of TPH. The waste does not display this hazardous property.
- Metallic compounds are not considered to be present in their chromate form as the laboratory analysis has demonstrated that insufficient concentrations of hexavalent chromium are present to enable the formation of chromates within the soils.
- Based on the data available it is considered likely that any metallic compounds present within the soils underlying the site are most likely present in their oxide form, rather than as chlorides, sulphates, sulphides, carbonates or phosphates.

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APPENDIX B: Exploratory Hole Logs

USTRE Trial Pit Log TP Project Gravely Bottom Road Project No. 4728 Coords: - Level: Data Location: Kingswood Dimensions 2 Scale Client: Rob Schroeder Doph Coords: - 0.80 Doph Coords: - 0.80 Scale Sea Samples and In Situ Testing Doph Concrete. (CONCRETE) Monvenne Sea Samples and In Situ Testing Doph Concrete. (CONCRETE) Soft to fim dark brown slightly samely slightly gravely concrete. (CONCRETE) 0.20 - 0.30 ES PID=0 0.60 Soft to fim orangish brown motiled red CLAY. 0.20 - 0.30 ES PID=0 0.80 External Concrete and the consection of the con	No
Project Name: Gravelly Bottom Road Project No. 4728 Co-ords: - Level: Data 1207/2 Location: Kingswood Dimensions 2 (m): Samples Client: Rob Schroeder 0.80 Stratum Description 3: 3: 5: 3: 5: 5: 5: 7: 0: 0: 0: 0: 0: 0: 0: 0: 0: 0: 0: 0: 0:	1
Project Ro. 100 -	of 1
Location: Kingswood Dimensions 2 Sail Client: Rob Schroeder Depth 0.80 0.80 0.80 Samples and in Situ Testing Depth Level Concrete. (CANCRETE) Depth Type Results 0.08 0.20 - 0.30 ES PID=0 0.80 0.20 - 0.30 ES PID=0 0.80 0.70 - 0.80 ES PID=0 0.80 0.70 - 0.80 ES PID=0 0.80	, 023
Client: Rob Schroeder Image: Control of the second	<u>е е е е е е е е е е е е е е е е е е е </u>
Client: Rob Schroeder Depth Output Depth Client Level (m) Level (m) Level (m) Level (m) Level (m) Level (m) Movemu <u>8</u> 8 <u>8</u> 8 <u>7</u> 0-0.30 ES PID=0 0.80 0.80 Concrete. (CONCRETE) Soft to firm dark forwn slightly gravely CLAY. Sand is fine to carse. Gravel is fine to carse angular to subangular to subangular to concrete, brick, tile, film and clinker. Occasional rootels. (MADE GROUND) 0.70 - 0.80 ES PID=0 0.80 Soft to firm orangish brown motiled red CLAY. Occasional rootels. (MADE GROUND) <u>0.70 - 0.80</u> ES PID=0 0.80 Soft to firm orangish brown motiled red CLAY. Occasional rootels. (MADE GROUND)	;
Barbes and In Situ Testing Depth Type Results Level (m) Legend Stratum Description 0.20 - 0.30 ES PID=0 0.08 0.08 Soft to firm dark brown sight gravely. Soft to firm dark brown sight gravely. Soft to firm dark brown sight gravely. Soft to firm dark brown motified red CLAY. Occasional rooties. (MADE GROUND) 0.70 - 0.80 ES PID=0 0.80 Soft to firm dark brown motified red CLAY. Occasional rooties. (HEAD) 0.70 - 0.80 ES PID=0 0.80 Soft to firm orangish brown motified red CLAY. Occasional rooties. (HEAD)	ed Corry
B E Depth Type Results (m) (m) Legend Stratum Description 0.20 - 0.30 ES PID=0 0.08 Soft 0 fm data brown slightly sandy slightly gavelly CLAV. Sand is fine to coarse angular to subangular of concrete. (CONCRETE) Soft 0 fm data brown slightly gavelly CLAV. Sand is fine to coarse angular to subangular of concrete. (MADE GROUND) 0.20 - 0.30 ES PID=0 0.80 Soft 0 fm data brown motiled tred CLAV. Occasional roots and nootels. (MADE GROUND) 0.70 - 0.80 ES PID=0 0.80 Soft 0 fm data brown motiled tred CLAV. Occasional roots and nootels. (MEAD)	
0.20 - 0.30 ES PID=0 0.00 0.20 - 0.30 ES PID=0 0.60 PID=0 0.60 PID=0 0.60 PID=0 0.60 PID=0 0.60 PID=0 0.80 0.80 PID=0 PID=	
	4 -
	-
	5 -
Remarks: Plant reference:	
Stability:	GS

								Trialpit N	٩٥
LI	USTRE					Tri	al Pit Log	TP2	
				Broico	t No		Co. ordo:	Sheet 1 c	of 1
Projec Name	Gravelly	Bottom R	Road	4728	LINU.		l evel:	12/07/20	23
Locati	on: Kingswo	od					Dimensions 2	Scale	
LUCali	on. Kingswo	ou					(m): œ.	1:25	
Client:	Rob Sch	roeder					0.80	Morwenna	י Corry
er (e	Sample	es and In	Situ Testing	Depth	Level	Logong	Stratum Description	•	
Wat Stril	Depth	Туре	Results	(m)	(m)	Legend			
	0.10 - 0.20	ES	PID=0	0.10			Black gravelly fine to coarse SAND predominar ash. Gravel is fine to coarse angular to subang tarmac, clinker and burnt wood. Frequent roots rootlets (MADE GROUND)	ntly of ular of and	-
	0.30 - 0.40	ES	PID=0	0.30			Grey silty gravelly fine to coarse SAND. Gravel coarse subangular to subrounded of concrete, clinker, tile, plastic, wood and metal. Rare medi	is fine to flint, brick, ium gravel	- - -
				0.60		<u> </u>	sized fragments of glass. Frequent roots and ro (MADE GROUND)	ootlets.	-
				0.80			Light yellowish brown slightly sandy slightly gra	ivelly	-
				0.00			subangular to subrounded of flint and ironstone	e. (HEAD)	-
							CLAY. Fissures are very closely spaced, sub-ho	orizontal	1 -
							End of pit at 0.80 m	لا ــــــــــــــــــــــــــــــــــــ	-
									2
									-
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									-
									5 —
Rema	rks: Plant	reference	e:						 7
									0
Stabili	ty:							AU	D

	\swarrow					Tri	al Dit Log	Trialpit No
L	USTRE						al Fil Log	
Projec				Proiec	t No		Co-ords: -	Sheet 1 of 1 Date
Name	Gravelly	Bottom	Road	4728			Level:	12/07/2023
Locati	on: Kingswo	od		·			Dimensions 2	Scale
Client	· Roh Sch	roeder					Depth O	Logged
Chern	Sample		- Situ Taating				0.90	Morwenna Corry
Vater trike	Denth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	
> 0)	- op	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		0.10			Concrete. (CONCRETE)	
				0.10		• × • • • × 0 • × •	Greyish brown silty slightly sandy fine to coarse to subrounded GRAVEL of flint, concrete, brick	e angular and
	0 30 - 0 40	FS	PID=0	0.30		× × × ×	clinker with a medium cobble content. Sand is coarse. Cobbles are subangular of concrete. (fine to
	0.00 0.10	20	PID=0				GROUND)	
	0.50 - 0.60	ES				$(\times \times \times)$ $\times \times \times \times$	SILT. Sand is fine to coarse. Gravel is fine to co	parse
				0.70			Soft to firm orangish brown mottled red CLAY.	(HEAD)
				0.90			End of pit at 0.90 m	
								-
								-
								-
								-
								3 -
								-
								-
								4 -
								5 -
Rema	rks: Plant	referen	ce:					
								AGS
Stabili	ity:							

	\measuredangle					Tri	al Dit Log	Trialpit M	No L
	J S T R E						arritug		•
Projec	+			Projec	t No.		Co-ords: -	Date	ot 1
Name	Gravelly	Bottom F	Road	4728			Level:	12/07/20)23
Locati	on: Kingswo	od		•			Dimensions 2	Scale	•
							(m): Depth	1:25	d
Client:	Rob Sch	roeder			1		0.90	Morwenna	Corry
ater ike	Sample	es and In	n Situ Testing	Depth	Level	Legend	Stratum Description		
Str Str	Depth	Туре	Results	(m)	(m)		Concrete. (CONCRETE)		-
	0.45 0.05	50	PID=0	0.15		× ×	Grey silty gravelly fine to coarse SAND. Gravel	is fine to	
	0.15 - 0.25	ES				$\begin{pmatrix} \times & \times \\ \times & \times & \times \end{pmatrix}$	coarse subangular to subrounded of concrete, f	lint, brick, oots and	
				0.40		<u></u>	rootlets. (MADE GROUND)		=
						E	(HEAD)	¬ 1.	-
	0.70 0.00		PID=0			<u> </u>	-		
	0.70 - 0.80	ES		0.00		 			=
				0.90			End of pit at 0.90 m		1 -
									=
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	_								5 —
Rema	rks: Plant	referenc	ce:						
1								AC	S
Stabili	ty:								<u> </u>

								Trialpit No		
L	USTRE DISULTING				Trial Pit Log					
Droiog	.+			Projec	nt No		Co-ords: -	Sheet 1 of 1		
Name	Gravelly	Bottom F	₹oad	4728			Level:	12/07/2023		
Locati	on: Kingswo	od					Dimensions 2	Scale		
	<u> </u>						(m): Depth	1:25		
Client	Rob Sch	roeder					1.00	Morwenna Corr		
Water Strike	Sample Depth	∍s and In Type	Situ Testing Results	Depth (m)	Level (m)	Legend	Stratum Description			
	0.30 - 0.40 0.90 - 1.00	ES	PID=0 PID=0	0.30			SILT. Sand is fine to coarse. Gravel is fine to co angular to subrounded of brick, flint, clinker and concrete. Rare medium gravel sized fragments Frequent roots and rootlets. (MADE GROUND) Soft to firm orangish brown mottled red slightly CLAY. Sand is fine to coarse. (HEAD) End of pit at 1.00 m	iarse i of metal. sandy 1		
Rema	rks: Plani	t referenc	Æ:					2 - 3 - 4 - 5 -		
Rema	rks: Plant	referenc	e:							
Stabili	ty:							AGS		

								Trialpit I	No	
L	USTRE ONSULTING				Trial Pit Log					
<u> </u>				Draiaa	t No			Sheet 1	of 1	
Projec Name	: Gravelly	Bottom	Road	4728	LINO.		Level	12/07/20)23	
Lest				1120			Dimensions 2	Scale		
Locati	on: Kingswo	00					(m): ∞	1:25		
Client	Rob Sch	roeder					0.90	Logge Morwenna	d Corry	
ike r	Sample	es and l	n Situ Testing	Depth	Level	Legend	Stratum Description			
Wa Stri	Depth	Туре	Results	(m)	(m)				1	
	0.20 - 0.30 0.60 - 0.70	ES	PID=0 PID=0	0.10 0.30			Grey silty slightly gravelly fine to coarse SAND. fine to coarse subangular to subrounded of con flint, brick, clinker, tile, plastic, wood and metal. roots and rootlets. (MADE GROUND) Soft to firm orangish brown mottled red CLAY.	Gravel is crete, Frequent (HEAD)		
				0.90			End of nit at 0.00 m			
Rema	rks: Plant	referen	ce:						_ ⁵ _	
Stabili	ty:							AC	10	

APPENDIX C: Laboratory Test Certificates

RETURN





Maddie Edwards Lustre Consulting Ltd Suite 1 Second Floor North The Fitted Rigging House The Historic Dockyard Chatham, Kent ME4 4TZ

t: 01634 757 705

e: info@lustreconsulting.com

i2 Analytical Ltd. 7 Woodshots Meadow, Croxley Green Business Park, Watford, Herts, WD18 8YS

t: 01923 225404 **f:** 01923 237404

e: reception@i2analytical.com

Analytical Report Number : 23-44839-2

Replaces Analytical Report Number: 23-44839, issue no. 1 Additional analysis undertaken. PFAS Analysis undertaken for all leachate samples .

Project / Site name:	Gravely Bottom Road - Kingswood	Samples received on:	13/07/2023
Your job number:	4728	Samples instructed on/ Analysis started on:	13/07/2023
Your order number:	4728	Analysis completed by:	27/07/2023
Report Issue Number:	2	Report issued on:	04/08/2023
Samples Analysed:	3 leachate samples - 12 soil samples		

Tswagnak Signed:

Joanna Szwagrzak Junior Reporting Specialist **For & on behalf of i2 Analytical Ltd.**

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement uncertainty can be provided on request.





Project / Site name: Gravely Bottom Road - Kingswood

Your Order No: 4728

				07/7005	27/7226	07/7007	07/7000	27 (7222
Lab Sample Number				2/4/335	2/4/336	2/4/33/	2/4/338	2/4/339
Sample Reference				TP2	TP2	TP1	TP1	TP6
Sample Number				D1	D1	D1	D2	D1
Depth (m)				0.10-0.20	0.30-0.40	0.20-0.30	0.70-0.80	0.20-0.30
Date Sampled				12/07/2023	12/07/2023	12/07/2023	12/07/2023	12/07/2023
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	6.6	8.4	13	18	9.6
Total mass of sample received	kg	0.001	NONE	1	1	1	1	1
Asbestos in Soil	Туре	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SFS	SFS	SFS	SFS	SFS
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	7.9	8.4	8.1	7.6	8.5
Total Cvanide	ma/ka	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble Subbate as $SO4.16br outraction (21)$	5, 5	25	MCEDTS	170	73	290	690	160
Water Soluble Sulphate as SO4 1011 extraction (2:1) Water Soluble SO4 16hr extraction (2:1 Leachate	ilig/kg	2.5	MCEDTO	0.084	0.036	0.15	0.35	0.08
Equivalent) Water Soluble SO4 16hr extraction (2:1 Leachate	g/i	0.00125	MCERTS	0.001	0.050	0.125	0.00	0100
Equivalent)	mg/l	1.25	MCERTS	84	36.4	147	346	80
Water Soluble Phosphate as PO4 (2:1)	mg/kg	0.3	NONE	3.6	-	-	-	-
Water Soluble Phosphate as P (2:1)	mg/kg	0.1	NONE	3.3	-	-	-	-
Ammoniacal Nitrogen as N	mg/kg	0.5	MCERTS	< 0.5	-	-	-	-
Ammoniacal Nitrogen as NH4	mg/kg	0.5	MCERTS	< 0.5	-	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	5.4	3.8	1.9	0.8	1.4
Carbonate as CaCO3	%	0.1	NONE	9.4	-	-	-	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	ma/ka	0.05	MCERTS	0.64	0.26	< 0.05	< 0.05	< 0.05
Acenaphthylene	ma/ka	0.05	MCERTS	1.3	0.62	< 0.05	< 0.05	< 0.05
	ma/ka	0.05	MCERTS	2.9	0.86	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	2.8	0.87	< 0.05	< 0.05	< 0.05
Phenanthrene	ma/ka	0.05	MCERTS	30	8.2	0.15	0.06	0.18
Anthracene	mg/kg	0.05	MCERTS	9.9	2.9	< 0.05	< 0.05	< 0.05
Fluoranthene	ma/ka	0.05	MCERTS	45	14	0.31	0.08	0.37
Pyrene	ma/ka	0.05	MCERTS	38	12	0.3	0.12	0.36
Benzo(a)anthracene	mg/kg	0.05	MCERTS	19	6.3	0.16	< 0.05	0.18
Chrysene	ma/ka	0.05	MCERTS	18	5.9	0.29	0.07	0.21
Benzo(b)fluoranthene	ma/ka	0.05	ISO 17025	21	7.7	0.38	< 0.05	0.28
Benzo(k)fluoranthene	ma/ka	0.05	ISO 17025	8.2	3.2	0.12	< 0.05	0.12
Benzo(a)nvrene	ma/ka	0.05	MCERTS	19	7.2	0.23	< 0.05	0.16
Indeno(1,2,3-cd)pyrene	ma/ka	0.05	MCERTS	10	4	0.15	< 0.05	0.13
Dibenz(a h)anthracene	ma/ko	0,05	MCERTS	23	0.97	< 0.05	< 0.05	< 0.05
Benzo(ghi)pervlene	mg/kg	0.05	MCERTS	10	4.4	0.18	< 0.05	0.2
				10		0.10		0.2
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	239	80.1	2.27	< 0.80	2.19





Project / Site name: Gravely Bottom Road - Kingswood

Your Order No: 4728

Lab Sample Number		2747335	2747336	2747337	2747338	2747339		
Sample Reference				TP2	TP2	TP1	TP1	TP6
Sample Number				D1	D1	D1	D2	D1
Denth (m)				0.10-0.20	0.30-0.40	0.20-0.30	0.70-0.80	0.20-0.30
Date Sampled				12/07/2023	12/07/2023	12/07/2023	12/07/2023	12/07/2023
Time Taken		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
	1	_		Hone Supplied				
Analytical Parameter (Soil Analysis)	Units	imit of detection	Accreditation Status					
Heavy Metals / Metalloids			-					
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11	16	15	25	14
Boron (water soluble)	mg/kg	0.2	MCERTS	0.5	1.9	2.1	1.4	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	1	1	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	30	33	22	53	32
Copper (aqua regia extractable)	mg/kg	1	MCERTS	26	24	24	18	37
Lead (aqua regia extractable)	mg/kg	1	MCERTS	76	61	49	24	39
Mercury (agua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15	15	13	27	15
Selenium (agua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (agua regia extractable)	mg/kg	1	MCERTS	320	320	390	170	140
Potassium (agua regia extractable)	mg/kg	20	ISO 17025	1700	-	-	-	-
Monoaromatics & Oxygenates ~								
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_ID_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	7.2	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_ID_AL}	mg/kg	8	MCERTS	13	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 EH_CU_ID_AL	mg/kg	8	MCERTS	110	52	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	130	52	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	15	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	34	5.1	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	130	40	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	480	230	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) ru cuure to an	mg/kg	10	NONE	660	280	< 10	< 10	< 10

 $\label{eq:US} U/S = Unsuitable \ Sample \quad I/S = \ Insufficient \ Sample \quad ND = Not \ detected$





Project / Site name: Gravely Bottom Road - Kingswood

Your Order No: 4728

Lab Camala Number				2747240	2747241	2747242	2747242	2747244
				2/4/340	2/4/341	2/4/342	2/4/343	2/4/344
Sample Reference				1P6	1P3	1P3	IP4	1P4
Sample Number				D2	D1	D2	D1	D2
Depth (m)				0.60-0.70	0.30-0.40	0.50-0.60	0.15-0.25	0.70-0.80
Date Sampled				12/0//2023	12/0//2023	12/07/2023	12/07/2023	12/0//2023
Time Taken			-	None Supplied				
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	34	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	19	5.1	11	6	18
Total mass of sample received	kg	0.001	NONE	1	1	1	1	1
Asbestos in Soil	Туре	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SFS	SFS	SFS	SFS	SFS
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	7.4	8.8	7.9	6.8	4.9
Total Cvanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble Sulphate as 504 16hr outraction (3:1)	ma/ka	25	MCEDTC	75	130	15	240	94
Water Soluble Suphate as SO4 Tolli extraction (2:1) Water Soluble SO4 16hr extraction (2:1 Leachate	nig/kg	0.00125	MCERTS	0.037	0.065	0.0075	0.12	0.047
Water Soluble SO4 16hr extraction (2:1 Leachate	9/.	0100125		37.4	64 7	7.5	122	46.9
Equivalent)	mg/l	1.25	MCERTS	57.4	04.7	7.5	122	40.5
Water Soluble Phosphate as PO4 (2:1)	mg/kg	0.3	NONE	-	-	-	< 0.30	-
Water Soluble Phosphate as P (2:1)	mg/kg	0.1	NONE	-	-	-	< 0.10	-
Ammoniacal Nitrogen as N	mg/kg	0.5	MCERTS	-	-	-	< 0.5	-
Ammoniacal Nitrogen as NH4	mg/kg	0.5	MCERTS	-	-	-	< 0.5	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.4	1.1	0.5	0.6	0.5
Carbonate as CaCO3	%	0.1	NONE	-	-	-	4.2	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Nanhthalono	ma/ka	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	ma/ka	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	ma/ka	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	ma/ka	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	ma/ka	0.05	MCERTS	< 0.05	0.17	< 0.05	< 0.05	< 0.05
Anthracene	ma/ka	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	ma/ka	0.05	MCERTS	< 0.05	0.44	< 0.05	0.06	< 0.05
Purene	ma/ka	0.05	MCERTS	< 0.05	0.45	< 0.05	0.00	< 0.05
Benzo(a)anthracene	ma/ka	0.05	MCERTS	< 0.05	0.45	< 0.05	< 0.07	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.28	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	ma/ka	0.05	ISO 17025	< 0.05	0.29	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/ka	0.05	ISO 17025	< 0.05	0.09	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/ka	0.05	MCERTS	< 0.05	0.18	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/ka	0.05	MCERTS	< 0.05	0.12	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/ka	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.14	< 0.05	< 0.05	< 0.05
Total PAH			100					
Speciated Total EPA-16 PAHs	mg/kg	0.8	150 17025	< 0.80	2.44	< 0.80	< 0.80	< 0.80





Project / Site name: Gravely Bottom Road - Kingswood

Your Order No: 4728

Lab Sample Number				2747340	2747341	2747342	2747343	2747344
Sample Reference				TP6	TP3	TP3	TP4	TP4
Sample Number				D2	D1	D2	D1	D2
Depth (m)				0.60-0.70	0.30-0.40	0.50-0.60	0.15-0.25	0.70-0.80
Date Sampled				12/07/2023	12/07/2023	12/07/2023	12/07/2023	12/07/2023
Time Taken		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	26	20	16	17	25
Boron (water soluble)	mg/kg	0.2	MCERTS	0.4	0.5	1.3	0.2	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	61	28	42	37	65
Copper (aqua regia extractable)	mg/kg	1	MCERTS	16	8.9	7.8	26	17
Lead (aqua regia extractable)	mg/kg	1	MCERTS	11	32	11	17	15
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	38	12	23	20	30
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	70	86	41	130	65
Potassium (aqua regia extractable)	mg/kg	20	ISO 17025	-	-	-	3300	
Monoaromatics & Oxygenates ~								

Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35) EH_CU+HS_1D_AL	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected





Project / Site name: Gravely Bottom Road - Kingswood Your Order No: 4728

Tour Order No: 4728

Lab Sample Number				2747345	2747346
Sample Reference				TP5	TP5
Sample Number				D1	D2
Depth (m)				0.30-0.40	0.90-1.00
Date Sampled				12/07/2023	12/07/2023
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	7.4	18
Total mass of sample received	kg	0.001	NONE	1	1
Asbestos in Soil	Туре	N/A	ISO 17025	Not-detected	Not-detected
Ashestos Analyst ID	N/A	N/A	N/A	SES	SES

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	6.6	5.9
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	3200	790
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	1.6	0.4
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	1580	396
Water Soluble Phosphate as PO4 (2:1)	mg/kg	0.3	NONE	< 0.30	-
Water Soluble Phosphate as P (2:1)	mg/kg	0.1	NONE	< 0.10	-
Ammoniacal Nitrogen as N	mg/kg	0.5	MCERTS	< 0.5	-
Ammoniacal Nitrogen as NH4	mg/kg	0.5	MCERTS	0.5	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.9	0.4
Carbonate as CaCO3	%	0.1	NONE	3.8	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.1	0.09
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.11	0.08
Pyrene	mg/kg	0.05	MCERTS	0.11	0.07
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Dibenz(a,h)anthracene Benzo(ghi)perylene	mg/kg mg/kg	0.05 0.05	MCERTS MCERTS	< 0.0 < 0.0	15 15

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80





Project / Site name: Gravely Bottom Road - Kingswood Your Order No: 4728

Tour Order No: 472

Lab Sample Number				2747345	2747346
Sample Reference				TP5	TP5
Sample Number				D1	D2
Depth (m)				0.30-0.40	0.90-1.00
Date Sampled				12/07/2023	12/07/2023
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Heavy Metals / Metalloids					-
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	14	24
Boron (water soluble)	mg/kg	0.2	MCERTS	0.8	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	30	61
Copper (aqua regia extractable)	mg/kg	1	MCERTS	19	16
Lead (aqua regia extractable)	mg/kg	1	MCERTS	24	16
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	14	36
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	190	150
Potassium (agua regia extractable)	mg/kg	20	ISO 17025	1900	-

Monoaromatics & Oxygenates ~

Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.1	NONE	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.1	NONE	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.1	NONE	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	< 1.0	4.2
TPH-CWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	< 2.0	6.4
TPH-CWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35) EH_CU+HS_1D_AL	mg/kg	10	NONE	< 10	12

TPH-CWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.1	NONE	< 0.10	< 0.10
TPH-CWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.1	NONE	< 0.10	< 0.10
TPH-CWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.1	NONE	< 0.10	< 0.10
TPH-CWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) EH CLIEHS 1D AR	mg/kg	10	NONE	< 10	< 10

 $\label{eq:US} U/S = Unsuitable \ Sample \quad I/S = \ Insufficient \ Sample \quad ND = Not \ detected$





Project / Site name: Gravely Bottom Road - Kingswood

Lab Sample Number				2747347	2747348	2747349
Sample Reference				TP2	TP4	TP5
Sample Number				D1	D1 0.15-0.25	D1
Depth (m)				0.10-0.20		0.30-0.40
Date Sampled				12/07/2023	12/07/2023	12/07/2023
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Leachate Analysis)	Units	Limit of detection	Accreditation Status			
General Inorganics						
Phosphate as P	µg/l	20	NONE	900	33	43
PFOA C8 Carboxylic acid PFOS C8 Sulphonate	µg/I µg/I	0.05	NONE	< 0.05 < 0.05	< 0.05 < 0.05	< 0.05 < 0.05
PFAS						
Perfluorobutane sulphonate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Perfluoropentane sulphonate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Perfluorohexane sulphonate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Perfluoroheptane sulphonate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Perfluorooctane sulphonate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Perfluorononane sulphonate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Perfluorodecane sulphonate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Perfluoroundecane sulphonate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Perfluorododecane sulphonate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Perfluorobutanoic acid	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Perfluoropentanoic acid	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Perfluorohexanoic acid	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Perfluoroheptanoic acid	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Perfluorooctanoic acid	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Perfluorononanoic acid	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Perfluorodecanoic acid	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Perfluoroundecanoic acid	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05

 $\label{eq:US} U/S = Unsuitable \ Sample \quad I/S = \ Insufficient \ Sample \quad ND = Not \ detected$





Analytical Report Number : 23-44839 Project / Site name: Gravely Bottom Road - Kingswood

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
2747335	TP2	D1	0.10-0.20	Brown loam and sand with gravel and vegetation.
2747336	TP2	D1	0.30-0.40	Brown loam and sand with gravel and vegetation.
2747337	TP1	D1	0.20-0.30	Brown loam and clay with gravel and vegetation.
2747338	TP1	D2	0.70-0.80	Brown clay and sand with gravel and rubble.
2747339	TP6	D1	0.20-0.30	Brown loam and sand with gravel and vegetation.
2747340	TP6	D2	0.60-0.70	Brown clay and sand with gravel.
2747341	TP3	D1	0.30-0.40	Brown loam with gravel and stones.
2747342	TP3	D2	0.50-0.60	Brown loam and clay with gravel and vegetation.
2747343	TP4	D1	0.15-0.25	Brown loam and clay with gravel.
2747344	TP4	D2	0.70-0.80	Brown clay and loam with gravel.
2747345	TP5	D1	0.30-0.40	Brown clay and sand with gravel and rubble.
2747346	TP5	D2	0.90-1.00	Brown loam and clay with gravel and vegetation.





Project / Site name: Gravely Bottom Road - Kingswood

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status	
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. In house method. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).		L038-PL	D	MCERTS	
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS	
NRA Leachate Prep	10:1 extract with de-ionised water shaken for 24 hours then filtered.	In-house method based on National Rivers Authority	L020-PL	w	NONE	
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025	
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS	
Carbonate in soil	Determination of Carbonate by extraction with 1M HCI followed by titration with 1M NaOH.	In house method.	L034-PL	D	NONE	
Cations in soil by ICP-OES	Determination of cations in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	ISO 17025	
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	w	NONE	
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	w	MCERTS	
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS	
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS	
Phosphate in soil	Determination of ortho phosphate in soil by extraction with water then by addition of ammonium molybdate, potassium antimonyl tartrate and ascorbic acid followed by discrete analyser (colorimetry).	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	D	NONE	
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE	
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	w	MCERTS	
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS	
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS. Individual components MCERTS accredited	In-house method based on USEPA8260	L073B-PL	w	MCERTS	





Project / Site name: Gravely Bottom Road - Kingswood

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Ammoniacal Nitrogen as N in soil	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the discrete analyser (colorimetric) salicylate/nitroprusside method,10:1 water extraction.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	MCERTS
Ammonium as NH4 in soil	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method, 10:1 water extraction.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	MCERTS
Water Soluble Phosphate as P in soil	Determination of ortho phosphate in soil by extraction with water then by addition of ammonium molybdate, potassium antimonyl tartrate and ascorbic acid followed by discrete analyser (colorimetry).	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	D	NONE
Phosphate as P in leachate	Determination of ortho phosphate in leachate by addition of ammonium molybdate, potassium antimonyl tartrate and ascorbic acid followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	NONE
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS





Project / Site name: Gravely Bottom Road - Kingswood

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
EF - PFAS suite 2 in leachates by LC-MS/MS	PFAS suite 2 in leachates by LC-MS/MS	In-house method PFAS suite 2 in leachates by LC- MS/MS	UK	W	NONE
Sulphate, water soluble, in soil	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD). For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride). For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC. Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

~ - Quality control surrogate recovery outside of limits, other checks applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised.



4041

Maddie Edwards Lustre Consulting Ltd

Suite 1 Second Floor North The Fitted Rigging House The Historic Dockyard Chatham, Kent ME4 4TZ

t: 01634 757 705

e: info@lustreconsulting.com



i2 Analytical Ltd. 7 Woodshots Meadow, Croxley Green Business Park, Watford, Herts, WD18 8YS

t: 01923 225404 f: 01923 237404 e: reception@i2analytical.com

Analytical Report Number : 23-49206

Project / Site name:	Gravelly Bottom Road - Kingswood	Samples received on:	13/07/2023
Your job number:	4728	Samples instructed on/ Analysis started on:	01/08/2023
Your order number:		Analysis completed by:	10/08/2023
Report Issue Number:	1	Report issued on:	11/08/2023
Samples Analysed:	5 leachate samples		

Nonja Signed:

Dominika Warjan Reporting Specialist **For & on behalf of i2 Analytical Ltd.**

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement uncertainty can be provided on request.





Project / Site name: Gravelly Bottom Road - Kingswood

Lab Sample Number				2771693	2771694	2771695	2771696	2771697
Sample Reference				TP2	TP1	TP3	TP4	TP5
Sample Number				None Supplied				
Depth (m)				0.30-0.40	0.20-0.30	0.30-0.40	0.15-0.25	0.30-0.40
Date Sampled				12/07/2023	12/07/2023	12/07/2023	12/07/2023	12/07/2023
Time Taken				None Supplied				
	1	E						
Analytical Parameter (Leachate Analysis)	Units	imit of detection	Accreditation Status					
General Inorganics								
pH (automated)	pH Units	N/A	ISO 17025	7.7	7.3	7.4	8	7.6
Total Cyanide	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	< 10
Sulphate as SO ₄	mg/l	0.1	ISO 17025	3.6	6.6	2	13.2	255
Total Organic Carbon (TOC)	mg/l	0.1	NONE	10.6	8.38	6.21	9.92	12.4
Hardness - Total	3/I	1	NONE	18.8	29.2	13.5	87.2	321
Total Phonoic	-	-	-		-	-	-	
Total Phenols (monohydric)	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	< 10
Creation DAMa								
Speciated PARS	ug/l	0.01	ISO 17025	- 0.01	- 0.01	- 0.01	- 0.01	- 0.01
Naphthalene	µg/1	0.01	150 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/i	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphtnene	µg/1	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/1	0.01	150 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/1	0.01	150 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/i	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/1	0.01	150 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/1	0.01	150 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/1	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/1	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)huoranthere	µg/1	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)huoranthene	µg/1	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/1	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	µg/1	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(abi)nervlene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
benzo(gin)peryiene	10.			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Total PAH Total EPA-16 PAHs	µg/l	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Heavy Metals / Metalloids			100 17025					
Arsenic (dissolved)	µg/I	1	150 1/025	5.2	1.6	< 1.0	< 1.0	< 1.0
Boron (dissolved)	µg/1	0.00	150 17025	35	86	11	< 10	25
Cadmium (dissolved)	µg/1	0.08	150 17025	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Chromium (hexavalent)	µg/1	5	150 17025	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (dissolved)	µg/1	0.4	150 17025	2.3	< 0.4	< 0.4	< 0.4	0.5
Copper (dissolved)	µg/1	0.7	150 17025	20	21	11	13	18
Leau (uissoived)	µg/1	1	ISO 17025	< 1.0	< 1.0	1	1.2	< 1.0
Mercury (dissolved)	µg/1	0.5	150 17025	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Nickel (dissolved)	µg/1	0.3	150 17025	1	1.3	0.6	0.3	0.8
Selenium (dissolved)	µg/I	4	ISO 17025	< 4.0	4.6	< 4.0	< 4.0	< 4.0
Zinc (dissolved)	µ9/1	0.4	130 17023	17	32	6.9	16	26
Calcium (dissolved)	mg/l	0.012	ISO 17025	6.1	9.2	4.5	33	130
Magnesium (dissolved)	mg/l	0.005	ISO 17025	0.9	1.5	0.58	1	1.9





Project / Site name: Gravelly Bottom Road - Kingswood

Lab Sample Number				2771693	2771694	2771695	2771696	2771697
Sample Reference				TP2	TP1	TP3	TP4	TP5
Sample Number				None Supplied				
Depth (m)				0.30-0.40	0.20-0.30	0.30-0.40	0.15-0.25	0.30-0.40
Date Sampled				12/07/2023	12/07/2023	12/07/2023	12/07/2023	12/07/2023
Time Taken				None Supplied				
Analytical Parameter (Leachate Analysis)	Units	Limit of detection	Accreditation Status					
Monoaromatics & Oxygenates								
Benzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Toluene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Ethylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
p & m-xylene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
o-xylene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >C5 - C6## HS_1D_AL	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8## HS_1D_AL	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10## HS_1D_AL	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12 _{EH_1D_AL_MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16 EH_1D_AL_MS	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21 _{EH_1D_AL_MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35 EH_1D_AL_MS	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)## HS+EH_1D_AL_MS	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C5 - C7 HS_1D_AR	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8 HS_1D_AR	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10 HS_1D_AR	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12 EH_1D_AR_MS	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16 EH_1D_AR_MS	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21 EH_1D_AR_MS	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35 EH_1D_AR_MS	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35) HS+EH_1D_AR_MS	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10

 ${\sf U}/{\sf S} = {\sf Unsuitable \ Sample} \quad {\sf I}/{\sf S} = \ {\sf Insufficient \ Sample} \quad {\sf ND} = {\sf Not \ detected}$





Project / Site name: Gravelly Bottom Road - Kingswood

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
NRA Leachate Prep	10:1 extract with de-ionised water shaken for 24 hours then filtered.	In-house method based on National Rivers Authority	L020-PL	w	NONE
Metals by ICP-OES in leachate	Determination of metals in leachate by acidification followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	w	ISO 17025
Boron in leachate	Determination of boron in leachate. Sample acidified and followed by ICP-OES.	In-house method based on MEWAM	L039-PL	w	ISO 17025
Hexavalent chromium in leachate	Determination of hexavalent chromium in leachate by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	w	ISO 17025
Total Hardness of leachates	Determination of hardness in leachates by calculation from calcium and magnesium.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L045-PL	w	NONE
Monohydric phenols in leachate	Determination of phenols in leachate by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	w	ISO 17025
Speciated EPA-16 PAHs in leachate	Determination of PAH compounds in leachate by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L102B-PL	W	ISO 17025
pH at 20oC in leachate (automated)	Determination of pH in leachate by electrometric measurement.	In house method.	L099B	w	ISO 17025
TPHCWG (Leachates)	Determination of dichloromethane extractable hydrocarbons in leachate by GC-MS.	In-house method	L070-PL	w	ISO 17025
Total cyanide in leachate	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
Total organic carbon in leachate	Determination of dissolved organic carbon in leachate by TOC/DOC NDIR analyser.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037-PL	w	NONE
BTEX and MTBE in leachates (Monoaromatics)	Determination of BTEX and MTBE in leachates by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	ISO 17025





Project / Site name: Gravelly Bottom Road - Kingswood

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate in leachates	Determination of sulphate in leachate by acidification followed by ICP-OES.	In-house method based on MEWAM 1986 Methods for the Determination of Metals in Soil""	L039-PL	W	ISO 17025

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride). For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland. Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by

the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS Total or EH CU+HS Total

- Quality control parameter has a high recovery (outside of limit); however the associated result is below the reporting limit, other checks applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised.

RETURN RETURN

APPENDIX D: Assessment Tables

HUMAN HEALTH QUANTITATIVE RISK ASSESSMENT - SOILS MADE GROUND 4728

Gravelly Bottom Road - Kingswood



Assessment Scenario: Assessment Criteria Source: Soil Organic Matter (%): Commercial SGVs, GACs and S4ULs SOM = 1%

						Sample Ref		2/4/335	2/4/336	2/4/33/	2/4/339	2/4/341	2747343	2/4/345
DETERMINAND	UNITS	MINIMUM	AVERAGE	MAXIMUM	No. of		No. >	TP2	TP2	TP1	TP6	TP3	TP4	TP5
Ashestos in Soil	NI/A	NI/A	N/A	NI/A	7	Detected	0	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
nH - Automated	no units	6.60	7.87	8.80	7	No Criteria	0	7.9	8.4	8 1	8.5	8.8	6.8	6.6
Total Cyanida	ma/ka				7	53.00	0							
Arsenic	mg/kg	11.00	15 20	20.00	7	640.00	0	11	16	15	14	20	17	14
Cadmium	mg/kg		0.46	1.00	7	190.00	0	1	1					
Chromium	mg/kg	22.00	30.20	37.00	7	8600.00	0	30	33	22	32	28	37	30
Coppor	mg/kg	8 90	23.56	37.00	7	68000.00	0	26	24	24	37	8.0	26	10
Load	mg/kg	17.00	42.57	76.00	7	2220.00	0	76	61	40	30	22	17	24
Morcupy	mg/kg		42.57		7	2550.00	0			49	-L OD			
Nickel	mg/kg	12.00	1/ 86	20.00	7	980.00	0	15	15	13	15	12	20	14
Solonium	mg/kg				7	12000.00	0							
Zinc	mg/kg	86.00	225.14	390.00	7	730000.00	0	320	320	390	140	86	130	190
Naphthalono	mg/kg		0.16	0.64	7	100.00	0	0.64	0.26					
Accomplete	mg/kg		0.10	1.20	7	92000.00	0	1.2	0.20					
Acenaphthana	mg/kg		0.51	2.00	7	84000.00	0	1.3	0.02					
	mg/kg		0.57	2.90	7	62000.00	0	2.9	0.00					
Fluorene	mg/kg	<lod< td=""><td>0.00</td><td>2.80</td><td>7</td><td>03000.00</td><td>0</td><td>2.8</td><td>0.87</td><td><lud< td=""><td><lud< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lud<></td></lud<></td></lod<>	0.00	2.80	7	03000.00	0	2.8	0.87	<lud< td=""><td><lud< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lud<></td></lud<>	<lud< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lud<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Phenanthrene	mg/kg	<lod< td=""><td>0.00</td><td>30.00</td><td>7</td><td>22000.00</td><td>0</td><td>30</td><td>0.2</td><td>0.15</td><td>0.18</td><td>0.17</td><td><lod< td=""><td>0.1</td></lod<></td></lod<>	0.00	30.00	7	22000.00	0	30	0.2	0.15	0.18	0.17	<lod< td=""><td>0.1</td></lod<>	0.1
Anthracene	mg/kg	<lod< td=""><td>1.80</td><td>9.90</td><td>7</td><td>520000.00</td><td>0</td><td>9.9</td><td>2.9</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	1.80	9.90	7	520000.00	0	9.9	2.9	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Fluoranthene	mg/kg	0.06	8.61	45.00	7	23000.00	0	45	14	0.31	0.37	0.44	0.06	0.11
Pyrene	mg/kg	0.07	7.33	38.00	7	54000.00	0	38	12	0.3	0.36	0.45	0.07	0.11
Benzo(a)anthracene	mg/kg	<lod< td=""><td>3.72</td><td>19.00</td><td>7</td><td>170.00</td><td>0</td><td>19</td><td>6.3</td><td>0.16</td><td>0.18</td><td>0.28</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	3.72	19.00	7	170.00	0	19	6.3	0.16	0.18	0.28	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Chrysene	mg/kg	<lod< td=""><td>3.54</td><td>18.00</td><td>7</td><td>350.00</td><td>0</td><td>18</td><td>5.9</td><td>0.29</td><td>0.21</td><td>0.28</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	3.54	18.00	7	350.00	0	18	5.9	0.29	0.21	0.28	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Benzo(b)fluoranthene	mg/kg	<lod< td=""><td>4.25</td><td>21.00</td><td>7</td><td>44.00</td><td>0</td><td>21</td><td>1.1</td><td>0.38</td><td>0.28</td><td>0.29</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	4.25	21.00	7	44.00	0	21	1.1	0.38	0.28	0.29	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Benzo(k)fluoranthene	mg/kg	<lod< td=""><td>1.69</td><td>8.20</td><td>7</td><td>1200.00</td><td>0</td><td>8.2</td><td>3.2</td><td>0.12</td><td>0.12</td><td>0.09</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	1.69	8.20	7	1200.00	0	8.2	3.2	0.12	0.12	0.09	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Benzo(a)pyrene	mg/kg	<lod< td=""><td>3.84</td><td>19.00</td><td>/</td><td>35.00</td><td>0</td><td>19</td><td>7.2</td><td>0.23</td><td>0.16</td><td>0.18</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	3.84	19.00	/	35.00	0	19	7.2	0.23	0.16	0.18	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Indeno(1,2,3-cd)pyrene	mg/kg	<lod< td=""><td>2.07</td><td>10.00</td><td>(</td><td>500.00</td><td>0</td><td>10</td><td>4</td><td>0.15</td><td>0.13</td><td>0.12</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	2.07	10.00	(500.00	0	10	4	0.15	0.13	0.12	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Dibenz(a,h)anthracene	mg/kg	<lod< td=""><td>0.50</td><td>2.30</td><td>(</td><td>3.50</td><td>0</td><td>2.3</td><td>0.97</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	0.50	2.30	(3.50	0	2.3	0.97	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Benzo(ghi)perylene	mg/kg	<lod< td=""><td>2.15</td><td>10.00</td><td>/</td><td>3900.00</td><td>0</td><td>10</td><td>4.4</td><td>0.18</td><td>0.2</td><td>0.14</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	2.15	10.00	/	3900.00	0	10	4.4	0.18	0.2	0.14	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
IPH-CWG - Aliphatic >EC5 - EC6	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>/</td><td>3200.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>/</td><td>3200.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>/</td><td>3200.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	/	3200.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>/</td><td>7800.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>/</td><td>7800.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>/</td><td>7800.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	/	7800.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>7</td><td>2000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>7</td><td>2000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>7</td><td>2000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	7	2000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>7</td><td>9700.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>7</td><td>9700.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>7</td><td>9700.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	7	9700.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	<lod< td=""><td>1.46</td><td>7.20</td><td>7</td><td>59000.00</td><td>0</td><td>7.2</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	1.46	7.20	7	59000.00	0	7.2	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	<lod< td=""><td>2.29</td><td>13.00</td><td>7</td><td>800000.00</td><td>0</td><td>13</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	2.29	13.00	7	800000.00	0	13	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	<lod< td=""><td>25.29</td><td>110.00</td><td>7</td><td>800000.00</td><td>0</td><td>110</td><td>52</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	25.29	110.00	7	800000.00	0	110	52	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>7</td><td>26000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>7</td><td>26000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>7</td><td>26000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	7	26000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>7</td><td>56000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>7</td><td>56000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>7</td><td>56000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	7	56000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>7</td><td>3500.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>7</td><td>3500.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>7</td><td>3500.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	7	3500.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	<lod< td=""><td>2.57</td><td>15.00</td><td>7</td><td>16000.00</td><td>0</td><td>15</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	2.57	15.00	7	16000.00	0	15	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	<lod< td=""><td>5.94</td><td>34.00</td><td>7</td><td>36000.00</td><td>0</td><td>34</td><td>5.1</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5.94	34.00	7	36000.00	0	34	5.1	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	<lod< td=""><td>24.64</td><td>130.00</td><td>7</td><td>14000.00</td><td>0</td><td>130</td><td>40</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	24.64	130.00	7	14000.00	0	130	40	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	<lod< td=""><td>103.57</td><td>480.00</td><td>7</td><td>14000.00</td><td>0</td><td>480</td><td>230</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	103.57	480.00	7	14000.00	0	480	230	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Benzene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>7</td><td>27.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>7</td><td>27.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>7</td><td>27.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	7	27.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Toluene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>7</td><td>56000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>7</td><td>56000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>7</td><td>56000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	7	56000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Ethylbenzene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>7</td><td>5700.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>7</td><td>5700.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>7</td><td>5700.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	7	5700.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
p & m-xylene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>7</td><td>5900.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>7</td><td>5900.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>7</td><td>5900.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	7	5900.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
o-Xylene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>7</td><td>6600.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>7</td><td>6600.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>7</td><td>6600.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	7	6600.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Total Phenols (monohydric)	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>7</td><td>440.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>7</td><td>440.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>7</td><td>440.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	7	440.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>7</td><td>7900.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>7</td><td>7900.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>7</td><td>7900.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	7	7900.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.04	0.31	1.60	7	No Criteria	0	0.084	0.036	0.15	0.08	0.065	0.12	1.6

HUMAN HEALTH QUANTITATIVE RISK ASSESSMENT - SOILS NATURAL GROUND 4728

Gravelly Bottom Road - Kingswood



Assessment Scenario: Assessment Criteria Source: Soil Organic Matter (%): Commercial SGVs, GACs and S4ULs SOM = 1%

	•					Sample Ref		2747338	2747340	2747342	2747344	2747346	
DETERMINAND	UNITS	MINIMUM	AVERAGE	махімим	No. of	ASSESSMENT	No. >	TP1	TP6	TP3	TP4	TP5	
					TESTS	CRITERIA	AC	0.70-0.80	0.60-0.70	0.50-0.60	0.70-0.80	0.90-1.00	
Asbestos in Soil	N/A	N/A	N/A	N/A	5	Detected	0	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	
pH - Automated	no units	4.90	6.74	7.90	5	No Criteria	0	7.6	7.4	7.9	4.9	5.9	
Total Cyanide	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>53.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>53.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>53.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	53.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Arsenic	mg/kg	16.00	23.20	26.00	5	640.00	0	25	26	16	25	24	
Cadmium	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>190.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>190.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>190.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	190.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Chromium	mg/kg	42.00	56.40	65.00	5	8600.00	0	53	61	42	65	61	
Copper	mg/kg	7.80	14.96	18.00	5	68000.00	0	18	16	7.8	17	16	
Lead	mg/kg	11.00	15.40	24.00	5	2330.00	0	24	11	11	15	16	
Mercury	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>3600.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>3600.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>3600.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	3600.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Nickel	mg/kg	23.00	30.80	38.00	5	980.00	0	27	38	23	30	36	
Selenium	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>12000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>12000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>12000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	12000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Zinc	mg/kg	41.00	99.20	170.00	5	730000.00	0	170	70	41	65	150	
Naphthalene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>190.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>190.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>190.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	190.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Acenaphthylene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>83000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>83000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>83000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	83000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Acenaphthene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>84000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>84000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>84000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	84000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Fluorene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>63000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>63000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>63000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	63000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Phenanthrene	mg/kg	<lod< td=""><td>0.06</td><td>0.09</td><td>5</td><td>22000.00</td><td>0</td><td>0.06</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>0.09</td><td></td></lod<></td></lod<></td></lod<></td></lod<>	0.06	0.09	5	22000.00	0	0.06	<lod< td=""><td><lod< td=""><td><lod< td=""><td>0.09</td><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>0.09</td><td></td></lod<></td></lod<>	<lod< td=""><td>0.09</td><td></td></lod<>	0.09	
Anthracene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>520000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>520000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>520000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	520000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Fluoranthene	mg/kg	<lod< td=""><td>0.06</td><td>0.08</td><td>5</td><td>23000.00</td><td>0</td><td>0.08</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>0.08</td><td></td></lod<></td></lod<></td></lod<></td></lod<>	0.06	0.08	5	23000.00	0	0.08	<lod< td=""><td><lod< td=""><td><lod< td=""><td>0.08</td><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>0.08</td><td></td></lod<></td></lod<>	<lod< td=""><td>0.08</td><td></td></lod<>	0.08	
Pyrene	mg/kg	<lod< td=""><td>0.07</td><td>0.12</td><td>5</td><td>54000.00</td><td>0</td><td>0.12</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>0.07</td><td></td></lod<></td></lod<></td></lod<></td></lod<>	0.07	0.12	5	54000.00	0	0.12	<lod< td=""><td><lod< td=""><td><lod< td=""><td>0.07</td><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>0.07</td><td></td></lod<></td></lod<>	<lod< td=""><td>0.07</td><td></td></lod<>	0.07	
Benzo(a)anthracene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>170.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>170.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>170.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	170.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Chrysene	mg/kg	<lod< td=""><td>0.05</td><td>0.07</td><td>5</td><td>350.00</td><td>0</td><td>0.07</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	0.05	0.07	5	350.00	0	0.07	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Benzo(b)fluoranthene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>44.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>44.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>44.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	44.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Benzo(k)fluoranthene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>1200.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>1200.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>1200.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	1200.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Benzo(a)pyrene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>35.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>35.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>35.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	35.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Indeno(1,2,3-cd)pyrene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>500.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>500.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>500.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	500.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Dibenz(a,h)anthracene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>3.50</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>3.50</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>3.50</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	3.50	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Benzo(ghi)perylene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>3900.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>3900.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>3900.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	3900.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>3200.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>3200.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>3200.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	3200.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>7800.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>7800.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>7800.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	7800.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>2000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>2000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>2000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	2000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	<lod< td=""><td>1.24</td><td>4.20</td><td>5</td><td>9700.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>4.2</td><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	1.24	4.20	5	9700.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>4.2</td><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4.2</td><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>4.2</td><td></td></lod<></td></lod<>	<lod< td=""><td>4.2</td><td></td></lod<>	4.2	
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	<lod< td=""><td>1.68</td><td>6.40</td><td>5</td><td>59000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>6.4</td><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	1.68	6.40	5	59000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>6.4</td><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td>6.4</td><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>6.4</td><td></td></lod<></td></lod<>	<lod< td=""><td>6.4</td><td></td></lod<>	6.4	
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>800000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>800000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>800000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	800000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>800000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>800000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>800000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	800000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>26000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>26000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>26000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	26000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>56000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>56000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>56000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	56000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>3500.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>3500.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>3500.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	3500.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>16000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>16000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>16000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	16000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
IPH-CWG - Aromatic >EC12 - EC16	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>36000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>36000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>36000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	36000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>14000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>14000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>14000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	14000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
IPH-CWG - Aromatic >EC21 - EC35	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>14000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>14000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>14000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	14000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Benzene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>27.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>27.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>27.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	27.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
I oluene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>56000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>56000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>56000.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	56000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Etnyibenzene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>5700.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>5700.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>5700.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	5700.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
p & m-xylene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>5900.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>5900.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>5900.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	5900.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
o-xylene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>6600.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>6600.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>6600.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	6600.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
I Otal Phenois (Mononydric)	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>440.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>440.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>440.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	440.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>7900.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>7900.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>7900.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	7900.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
MIBE (Methyl Tertiary Butyl Ether)	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>7900.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>7900.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>7900.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	7900.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Benzene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>27.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>27.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>27.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	27.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
I oluene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>00.000</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>00.000</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>00.000</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	00.000	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
o-xylene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>00.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>00.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>00.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	00.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td></td></lod<></td></lod<>	<lod< td=""><td></td></lod<>	
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.01	0.17	0.40	5	No Criteria	0	0.35	0.037	0.0075	0.047	0.4	

CONTROLLED WATERS RISK ASSESSMENT

4728



Level 1

Level 2

Water Quality Standard (WQS) Selection Hierarchy: UK DWS EQS FW WHO DWS

Average CaCO₃:

93940 µg/l

Data Source: Environment Agency H1 Environmental Risk Assessment – Annex J, v2.0, April 2010 & Petroleum Products in Drinking-Water, WHO (WHO/SDE/WSH/05.08/123)

Gravelly Bottom Road - Kingswood				Level 3 WHO DWS																	
									-	Sample Ref		2747347	2747348	2747349	2771693	2771694	2771695	2771696	2771697		
	LINITS	MINIMUM		MAYIMI IM	No. of		No. >	EOS EW		WHO	No. >	TP2	TP4	TP5	TP2	TP1	TP3	TP4	TP5		
DETERMINAND	UNITS		AVERAGE		TESTS	OK DWS	AC	EQSEW	NU. > AC	WHO	AC	07/12/2023	07/12/2023	07/12/2023	07/12/2023	07/12/2023	07/12/2023	07/12/2023	07/12/2023		
Total Cyanide	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	No criteria	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
Sulphate as SO ₄	µg/l	2	56	255	5	250000	0	400000	0	250000	0				3.6	6.6	2	13.2	255		
Hardness - Total	mg/l	13.50	93.94	321.00	5	No criteria	0	No criteria	0	No criteria	0				18.8	29.2	13.5	87.2	321		
Total Organic Carbon (TOC)	µg/l	6.21	9.50	12.40	5	No criteria	0	No criteria	0	No criteria	0				10.6	8.38	6.21	9.92	12.4		
Arsenic (dissolved)	µg/l	1.60	3.40	5.20	5	10.00	0	50.00	0	10.00	0				5.2	1.6	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
Copper (dissolved)	µg/l	11.00	16.60	21.00	5	2000.00	0	200.00	0	2000.00	0				20	21	11	13	18		
Lead (dissolved)	µg/l	1.00	1.10	1.20	5	10.00	0	250.00	0	10.00	0				<lod< td=""><td><lod< td=""><td>1</td><td>1.2</td><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td>1</td><td>1.2</td><td><lod< td=""></lod<></td></lod<>	1	1.2	<lod< td=""></lod<>		
Mercury (dissolved)	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>1.00</td><td>0</td><td>1.00</td><td>0</td><td>1.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>1.00</td><td>0</td><td>1.00</td><td>0</td><td>1.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>1.00</td><td>0</td><td>1.00</td><td>0</td><td>1.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	1.00	0	1.00	0	1.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
Nickel (dissolved)	µg/l	0.30	0.80	1.30	5	20.00	0	28.00	0	20.00	0				1	1.3	0.6	0.3	0.8		
Selenium (dissolved)	µg/l	4.60	4.60	4.60	5	10.00	0	No criteria	0	10.00	0				<lod< td=""><td>4.6</td><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	4.6	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
Zinc (dissolved)	µg/l	6.90	19.58	32.00	5	5000.00	0	500.00	0	3000.00	0				17	32	6.9	16	26		
Total Phenols (monohydric)	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>0.50</td><td>0</td><td>30.00</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>0.50</td><td>0</td><td>30.00</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>0.50</td><td>0</td><td>30.00</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	0.50	0	30.00	0	No criteria	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
TPH C10 - C40	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	300.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
TPH-CWG - Aliphatic >C10 - C12	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	300.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
TPH-CWG - Aliphatic >C12 - C16	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	300.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
TPH-CWG - Aliphatic >C16 - C21	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	300.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
TPH-CWG - Aliphatic >C21 - C35	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	300.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
TPH-CWG - Aliphatic >C5 - C6	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>15000.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>15000.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>15000.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	15000.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
TPH-CWG - Aliphatic >C6 - C8	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>15000.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>15000.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>15000.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	15000.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
TPH-CWG - Aliphatic >C8 - C10	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	300.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
TPH-CWG - Aromatic >C10 - C12	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>100.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>100.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>100.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	100.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
TPH-CWG - Aromatic >C12 - C16	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>100.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>100.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>100.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	100.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
TPH-CWG - Aromatic >C16 - C21	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>90.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>90.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>90.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	90.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
TPH-CWG - Aromatic >C21 - C35	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>90.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>90.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>90.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	90.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
TPH-CWG - Aromatic >C5 - C7	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>10.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>10.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>10.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	10.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
TPH-CWG - Aromatic >C7 - C8	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>50.00</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>50.00</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>50.00</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	50.00	0	300.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
TPH-CWG - Aromatic >C8 - C10	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>20.00</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>20.00</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>20.00</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	20.00	0	300.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
Anthracene	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>0.02</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>0.02</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>0.02</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	0.02	0	No criteria	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
Fluoranthene	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>0.02</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>0.02</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>0.02</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	0.02	0	No criteria	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
Naphthalene	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>10.00</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>10.00</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>10.00</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	10.00	0	No criteria	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
Benzo(a)pyrene	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>0.01</td><td>0</td><td>0.03</td><td>0</td><td>0.70</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>0.01</td><td>0</td><td>0.03</td><td>0</td><td>0.70</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>0.01</td><td>0</td><td>0.03</td><td>0</td><td>0.70</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	0.01	0	0.03	0	0.70	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
Benzo(b)fluoranthene	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	No criteria	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
Benzo(ghi)perylene	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	No criteria	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
Benzo(k)fluoranthene	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	No criteria	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
Indeno(1,2,3-cd)pyrene	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	No criteria	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
MTBE (Methyl Tertiary Butyl Ether)	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	No criteria	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
Benzene	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>1.00</td><td>0</td><td>30.00</td><td>0</td><td>10.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>1.00</td><td>0</td><td>30.00</td><td>0</td><td>10.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>1.00</td><td>0</td><td>30.00</td><td>0</td><td>10.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	1.00	0	30.00	0	10.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
Ethylbenzene	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>300.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	300.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
Toluene	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>50.00</td><td>0</td><td>700.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>50.00</td><td>0</td><td>700.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>50.00</td><td>0</td><td>700.00</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	50.00	0	700.00	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
p & m-xylene	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	No criteria	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		
o-xylene	µg/l	<lod< td=""><td><lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>5</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td>No criteria</td><td>0</td><td></td><td></td><td></td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5	No criteria	0	No criteria	0	No criteria	0				<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>		

PHYTOTOXICITY RISK ASSESSMENT

4728

Gravelly Bottom Road - Kingswood <u>TABLE SHOWING PHYTOTOXICITY ASSESSMENT FOR MADE GROUND</u>

Risk Criteria: British Standard BS 3882:2007 (Specification for topsoil and requirements for use)



DETERMINAND	UNITS	MINIMUM	AVERAGE	MAXIMUM	No. of TESTS	ASSESSMENT CRITERIA	No. > AC	DETAILS
Copper	mg/kg	8.90	-	37.00	7	200.00	0	
Nickel	mg/kg	12.00	-	20.00	7	110.00	0	
Zinc	mg/kg	86.00	225.14	390.00	7	300.00	3	TP2 (0.10-0.20 m bgl) at 320mg/kg, TP2 (0.30-0.40 m bgl) at 320mg/kg, TP1 (0.20-0.30 m bgl) at 390mg/kg

TABLE SHOWING PHYTOTOXICITY ASSESSMENT FOR NATURAL GROUND

DETERMINAND	UNITS	MINIMUM	AVERAGE	MAXIMUM	No. of TESTS	ASSESSMENT CRITERIA	No. > AC	DETAILS
Copper	mg/kg	7.80	-	18.00	5	200.00	0	-
Nickel	mg/kg	23.00	-	38.00	5	110.00	0	
Zinc	mg/kg	41.00	-	170.00	5	300.00	0	-
POTABLE WATER PIPELINE RISK ASSESSMENT

4728



Gravelly Bottom Road - Kingswood TABLE SHOWING WATER PIPELINE ASSESSMENT

		THRES	HOLD	THRES	HOLD	MAXIMUM	
DETERMINAND	UNITS	PE	EXCEEDED	PVC	EXCEEDED	CONCENTRATION	
GROUP 1							
Total VOC (with TICs)*	µg/kg	500.00	NO	125.00	NO	<lod< td=""></lod<>	
BTEX & MTBE	µg/kg	100.00	NO	30.00	NO	<lod< td=""></lod<>	
GROUP 2							
**Total SVOC Suite (with TIC)	mg/kg	2.00	NO	1.40	NO		
Phenols	mg/kg	2.00	NO	0.40	NO		
Cresols & Chlorinated Phenols	mg/kg	2.00	NO	0.04	NO		
†Ethers	mg/kg	0.50	-	1.00	-		
†Nitrobenzene	mg/kg	0.50	-	0.40	-		
†Ketones	mg/kg	0.50	-	0.02	-		
†Aldehydes	mg/kg	0.50	-	0.02	-		
GROUP 3							
Mineral Oils (C11 to C20)	mg/kg	10.00	YES	No effect	NO	130.00	
GROUP 4							
Mineral Oils (C21 to C40)	mg/kg	500.00	NO	No effect	NO	480.00	
GROUP 5^							
Conductivity	µ2/cm	-	-	-	-	-	
Redox Potential	mV	-	-	-	-	-	
рН	-	-		-		-	
GROUP 6							
†Amines	ug/kg	N/A	-	No effect	-	-	

NOTES:

*Minus total concentration of BTEX + MTBE.

**Minus total concentration of phenols, cresols and chlorinated phenols.

†Only required if current or historical site use indicates they may be present.

^Only applicable when selecting suitable barrier pipe (see UKWIR Guidance document)

RISK CRITERIA:

UK Water Industry Research (UKWIR). Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites. Ref. 10/WM/03/21. 2010

BURIED CONCRETE ASSESSMENT

4728

Gravelly Bottom Road - Kingswood



TABLE SHOWING BURIED CONCRETE ASSESSMENT

SOIL GROUP	DETERMINAND	UNITS	NO. OF TESTS	MIN	МАХ	CHARACTERISTIC VALUE	BRE CLASSIFICATION
	Total Potential Sulfate	%	-	-	-	-	D91
MADE GROUND	Water Soluble Sulphate as SO4	g/l	7	0.04	1.60	1.600	551
	рН	-	7	6.6	8.8	6.6	AC-1s
	Total Potential Sulfate	%	-	-	-	-	D91
NATURAL GROUND	Water Soluble Sulphate as SO4	g/l	5	0.01	0.40	0.400	551
	pН	-	5	4.9	7.9	4.9	AC-1s
GROUNDWATER	Sulphate as SO4	g/l	5	0.00	0.26	0.26	DS1
GROONDWATER	pH	-	0				AC-1d

OTHER FACTORS CONSIDERED:

Pyritic soils (Made Ground) have not been encountered or considered in this assessment.

Pyritic soils (Natural Ground) have not been encountered in this assessment.

GENERAL NOTES:

The Characteristic Value is based on lowest pH value / highest SO4.

Where the DS Class if different for soluble sulphates and total potential sulphates, the highest DS Class is adopted in accordance with BRE Special Digest 1:2005, 3rd Edition, 'Concrete in Aggressive Ground.' However, if the assessment of TPS is not appropriate (owing to low oxidisable sulphates) only the soluble sulphates have been considered.



HazWasteOnline[™] classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to: a) understand the origin of the waste

 a) understand the correct List of b) select the correct List of de d) select and justify the che e) correctly apply moisture f) add the meta data for the g) check that the classifica 	f Waste code(s) f Waste code(s) eterminands, results and sampling plan are fit for osen metal species (Appendix B) e correction and other available corrections eir user-defined substances (Appendix A) tion engine is suitable with respect to the national	purpose	DBOUY-4TK88-EORP4
To aid the reviewer, the laborat	tory results, assumptions and justifications manage	ed by the classifier are highlighted in pale yellow	<mark>N</mark> .
Job name			
23-44839_HWOL_Results			
Description/Comment	S		
Project		Site	
4728		Gravelly Bottom Road	
Classified by			
Name: Gemma Heyworth	Company: Lustre Consulting	HazWasteOnline ^{Tu} provides a two day, hazardous waste use of the software and both basic and advanced waste has to be renewed every 3 years.	e classification course that covers the classification techniques. Certification
Date: 15 Aug 2023 10:29 GMT		HazWasteOnline™ Certification:	CERTIFIED
Telephone:		Course	Date
01634 757 705		Hazardous Waste Classification	06 Oct 2022
		Next 3 year Refresher due	e by Oct 2025
Purpose of classificat	ion		
2 - Material Characterisation	on		
Address of the waste			
Gravelly Bottom Road, Kin	gswood, Kent	P	ost Code ME17 3NU
SIC for the process gr	ving rise to the waste		
43110 Demolition			
Description of industr	y/producer giving rise to the waste		
Redevelopment of derelict	industrial site		
Description of the spe	ecific process, sub-process and/or a	ctivity that created the waste	
Waste created by foundation	on excavations		

Made Ground

LUSTRE CONSULTING



Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP2-D1-12072023-0.10		Non Hazardous		3
2	TP2-D1-12072023-0.30		Non Hazardous		6
3	TP1-D1-12072023-0.20		Non Hazardous		9
4	TP1-D2-12072023-0.70		Non Hazardous		11
5	TP6-D1-12072023-0.20		Non Hazardous		13
6	TP6-D2-12072023-0.60		Non Hazardous		15
7	TP3-D1-12072023-0.30		Non Hazardous		17
8	TP3-D2-12072023-0.50		Non Hazardous		19
9	TP4-D1-12072023-0.15		Non Hazardous		21
10	TP4-D2-12072023-0.70		Non Hazardous		23
11	TP5-D1-12072023-0.30		Non Hazardous		25
12	TP5-D2-12072023-0.90		Non Hazardous		27

Related documents

#	Name	Description
1	23-44839_HWOL_Results.hwol	i2 Analytical .hwol file used to populate the Job
2	Contaminated Soils including Acid / Alkali Reserve	waste stream template used to create this Job

Report

Created by: Gemma Heyworth

Created date: 15 Aug 2023 10:29 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	30
Appendix B: Rationale for selection of metal species	31
Appendix C: Version	32



Classification of sample: TP2-D1-12072023-0.10



Sample details

Sample name: TP2-D1-12072023-0.10 Moisture content: 6.6%	LoW Code: Chapter: Entry:	 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) 17 05 04 (Soil and stones other than those mentioned in 17 05
(wet weight correction)		03)

Hazard properties

None identified

Determinands

Moisture content: 6.6% Wet Weight Moisture Correction applied (MC)

#		EU CLP index number	Determinand EC Number	CAS Number	CLP Note	User entere	d data	Conv. Factor	Compound (conc.	Classification value	MC Applied	Conc. Not Used
1	4	arsenic { arsenic tri 033-003-00-0	<mark>oxide</mark>	1327-53-3	-	11	mg/kg	1.32	13.565	mg/kg	0.00136 %	\checkmark	
2	4	boron { diboron trio 005-008-00-8	<mark>xide; boric oxide</mark> } 215-125-8	1303-86-2	_	0.5	mg/kg	3.22	1.504	mg/kg	0.00015 %	\checkmark	
3	4	cadmium { cadmiur 048-002-00-0	<mark>n oxide</mark> } 215-146-2	1306-19-0		1	mg/kg	1.142	1.067	mg/kg	0.000107 %	\checkmark	
4	4	chromium in chrom chromium(III) oxide	ium(III) compound • (worst case) 215-160-9	s {		30	mg/kg	1.462	40.953	mg/kg	0.0041 %	~	
5	4	chromium in chrom compounds, with th of compounds spec 024-017-00-8	ium(VI) compound the exception of bar cified elsewhere in	ls { <mark>chromium (VI)</mark> ium chromate and this Annex }	_	<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<lod< th=""></lod<>
6	4	copper { dicopper o 029-002-00-X	<mark>xide; copper (I) ox</mark> 215-270-7	<mark>ide</mark> } 1317-39-1		26	mg/kg	1.126	27.341	mg/kg	0.00273 %	\checkmark	
7	4	lead { lead comp specified elsewhere	oounds with the exe e in this Annex (wo	ception of those orst case) }	1	76	mg/kg		70.984	mg/kg	0.0071 %	~	
8	4	mercury { mercury	<mark>dichloride</mark> } 231-299-8	7487-94-7	-	<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<lod< th=""></lod<>
9	4	nickel { nickel(IV) o 028-004-00-8	<mark>xide (nickel dioxide</mark> 234-823-3	<mark>)</mark> } 12035-36-8		15	mg/kg	1.545	21.648	mg/kg	0.00216 %	\checkmark	
10	4	selenium { nickel se 028-031-00-5	<mark>elenate</mark> } 239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<lod< td=""></lod<>
11	4	zinc { <mark>zinc oxide</mark> } 030-013-00-7	215-222-5	1314-13-2	_	320	mg/kg	1.245	372.02	mg/kg	0.0372 %	\checkmark	
12	۵	TPH (C6 to C40) pe	etroleum group	TPH		790	mg/kg		737.86	mg/kg	0.0738 %	\checkmark	
13		tert-butyl methyl eth 2-methoxy-2-methy 603-181-00-X	ner; MTBE; /lpropane 216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< th=""></lod<>
14		benzene 601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.000005 %		<lod< th=""></lod<>
15		toluene 601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.000005 %		<lod< th=""></lod<>



$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$		-										~		
Image: bit of the properties of the properitis of the properties of the properties of the properi	#		Determinand		Note	User entered data		Conv. Factor	Compound	conc.	Classification value	Applied	Conc. Not Used	
10 e ethylbenzene co.005 mgkq co.005 mgkq co.00005 % e.LOD 17 Profession 2000 P P02-440 100-414 0 P04-43 121 00-423 120 00001 141 00 0000000 141 00 0000000000			EU CLP index number	EC Number	CAS Number	CLP							0000	
No. 000000000000000000000000000000000000	16	Θ	ethylbenzene				<0.005	ma/ka		<0.005	ma/ka	<0.0000005 %		<1 OD
Instruction Note Sector Sect			601-023-00-4	202-849-4	100-41-4		<0.000	iiig/kg		<0.000	ing/kg	<0.0000000 /0		LOD
11 D01-022-00-9 202-422-2[1] 96-47-6 [1] -0.01 mgkq -0.01 mgkg -0.00001% -1.00 12 203-576-3 [3] 106-38-3 [2] 106-38-3 [2] 106-38-3 [2] 106-38-3 [2] 106-38-3 [2] 106-38-3 [2] 106-38-3 [2] 106-38-3 [2] 106-38-3 [2] 108-38-3 [2] 100-38-38-3 [2] 100-38-38-3 [2] 100-38			xylene											
18 sciencies (* galate of hydrogen cynnides such as force) specification acomplex galates at the structure on cynnides. specification acomplex galates at the structure on cynnides and those specification acomplex galates at the structure on cynnides. Specification acomplex galates at the structure on cynnice structure on cynnice structure on cynnides. Spec	17		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<lod< td=""></lod<>
Derot/ 2005 Derot/ 2005 <thderot 2005<="" th=""> <thderot 2005<="" th=""></thderot></thderot>	18	4	cyanides { salts exception of compl ferricyanides and n specified elsewher	of hydrogen cyani lex cyanides such nercuric oxycyanid e in this Annex }	de with the as ferrocyanides, le and those		<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<lod< td=""></lod<>
19 PH 7.3 PH 7.9 PH 7.9 <th< td=""><td></td><td></td><td>006-007-00-5</td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td></th<>			006-007-00-5			_							-	
Image: constraint of the second sec	19	Θ	рН				7.9	pН		7.9	pН	7.9 pH		
20 Impathalene maphhalene mapha 0.64 mg/kg 0.598 mg/kg 0.0000598 % ✓ 21 acenaphthylene 205-917-1 208-96-8 1.3 mg/kg 2.709 mg/kg 0.000121 % ✓ 23 acenaphthylene 201-469-6 83-32-9 2.9 mg/kg 2.709 mg/kg 0.000227 % ✓ 24 acenaphthylene 201-695-5 86-73-7 2.8 mg/kg 2.615 mg/kg 0.0028 % ✓ 24 aphnathrene 201-581-5 85-01-8 30 mg/kg 2.802 mg/kg 0.0028 % ✓ 26 antracene 201-581-5 85-01-8 30 mg/kg 9.247 mg/kg 0.0028 % ✓ 27 antracene 201-371-1 120-12-7 9.9 mg/kg 28.02 mg/kg 0.00177 % ✓ 28 benzo(ajantracene 206-927.3 129-00-0 38 mg/kg 18.812 mg/kg 0.00168 %					PH								_	
BOI 052-00-2 P02-048-5 P1-20-3	20		naphthalene				0.64	mg/kg		0.598	mg/kg	0.0000598 %	\checkmark	
21 accomphithylene 205-917.1 206-96-86 1.3 mg/kg 1.214 mg/kg 0.000121 % ✓ 22 accomphithylene 201-469-6 B3-32-9 2.9 mg/kg 2.709 mg/kg 0.000271 % ✓ 23 accomphithylene 201-685-5 B6-73-7 2.8 mg/kg 2.615 mg/kg 0.000262 % ✓ 24 aphenathrene 201-581-5 B5-01-8 30 mg/kg 28.02 mg/kg 0.000262 % ✓ 25 anthracene 204-371-1 120-12-7 9.9 mg/kg 9.247 mg/kg 0.00025 % ✓ 26 anthracene 204-937.3 129-00-0 38 mg/kg 35.492 mg/kg 0.00177 % ✓ 27 pyrene 204-927.3 129-00-0 38 mg/kg 11.8 mg/kg 0.00177 % ✓ 28 benzo[a]anthracene 204-927.3 129-00-0 18 mg/kg 16.812 mg/kg 0.00177 % ✓ 30 benzo[a]fluoranthene 50-05-92-3 190-mg/kg 1			601-052-00-2	202-049-5	91-20-3									
Image: pos-917-1 pos-96-8 Image: pos-917-1 pos-96-8 Image: pos-917-1 pos-96-8 Pos-91-7 <	21	۲	acenaphthylene				1.3	mg/kg		1.214	mg/kg	0.000121 %	\checkmark	
22 accamphthene 2.9 mg/kg 2.709 mg/kg 0.000271 % ✓ 23 i fluorene 201-695-5 j83-32-9 2.80 mg/kg 0.000262 % ✓ 24 i phenanthrene 201-581-5 j85-01-8 30 mg/kg 28.02 mg/kg 0.000262 % ✓ 25 i anthracene 201-581-5 j85-01-8 30 mg/kg 9.247 mg/kg 0.00025 % ✓ 26 i flooranthene 204-371-1 j120-12-7 45 mg/kg 42.03 mg/kg 0.0042 % ✓ 27 i pyrene 204-327-3 j129-00-0 38 mg/kg 35.492 mg/kg 0.00177 % ✓ 28 benzo[alphthracene j01-033-00-9 200-280-6 j66-55-3 19 mg/kg 16.812 mg/kg 0.00168 % ✓ 29 chrysene chrysene j01-034-00-4 205-913-4 j81-01-9 38 mg/kg 19.614 mg/kg 0.00196 % ✓ 31 benzo[bi[luoranthene				205-917-1	208-96-8									
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Image: constraint of the second sec	24	۲	pnenanthrene	004 504 5	05.04.0		30	mg/kg		28.02	mg/kg	0.0028 %	\checkmark	
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Image: construction Image: construction <thimage: construction<="" th=""> Image: construction</thimage:>	25	8	anunacene	204-371-1	120-12-7	_	9.9	mg/kg		9.247	mg/kg	0.000925 %	\checkmark	
26 Notice 205-912-4 206-44-0 45 mg/kg 42.03 mg/kg 0.0042 % ✓ 27 <u>204-927-3</u> <u>129-00-0</u> <u>38</u> <u>benzo[a]anthracene</u> <u>200-280-6</u> <u>56-55-3</u> <u>19</u> mg/kg <u>17.746</u> mg/kg 0.00177 % <u>chrysene</u> <u>chrysene</u> <u>18</u> mg/kg 16.812 mg/kg 0.00168 % <u>benzo[b]fluoranthene</u> <u>21</u> mg/kg 19.614 mg/kg 0.00166 % <u>benzo[k]fluoranthene</u> <u>8.2</u> mg/kg 17.746 mg/kg 0.00176 % <u>benzo[k]fluoranthene</u> 190 mg/kg 17.746 mg/kg 0.00176 % <u>205-91-6</u> p07-028-5 50-32-8 19 mg/kg 17.746 mg/kg 0.00177 % indeno[123-cod]pyrene; benzo[de][chrysene <u>205-893-2</u> 193-39-5 10 mg/kg 9.34 mg/kg 0.000934 % <u>205-893-2</u> 193-39-5 10 mg/kg			fluoranthene	204-371-1	120-12-1	+								
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28 benzo[a]anthracene 601-033-00-9 200-280-6 56-55-3 19 mg/kg 17.746 mg/kg 0.00177 % ✓ 29 chrysene 601-048-00-0 205-923-4 218-01-9 18 mg/kg 16.812 mg/kg 0.00168 % ✓ 30 benzo[b]fluoranthene 601-034-00-4 205-91-9 205-99-2 21 mg/kg 19.614 mg/kg 0.00176 % ✓ 31 benzo[k]fluoranthene 601-036-00-5 205-916-6 207-08-9 8.2 mg/kg 7.659 mg/kg 0.000766 % ✓ 32 benzo[a]aptrene; benzo[def]chrysene 601-032-00-3 200-028-5 50-32-8 19 mg/kg 17.746 mg/kg 0.00177 % ✓ 33 indeno[123-cc]pyrene 19 mg/kg 17.746 mg/kg 0.00177 % ✓ 34 dibenz[a,h]anthracene 601-021 2 200-181-8 53-70-3 2.3 mg/kg 2.148 mg/kg 0.000215 % ✓ 35 benzo[gh]iperylene 10 mg/kg 9.34 mg/kg 0.000934 % ✓ 36 monohydric phenols 191-24-2 <	27			204-927-3	129-00-0	-	38	mg/kg		35.492	mg/kg	0.00355 %	\checkmark	
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29 chrysene 601-048-00-0 205-923-4 218-01-9 18 mg/kg 16.812 mg/kg 0.00168 % ✓ 30 benzo[b]fluoranthene 601-034-00-4 205-91-9 205-99-2 21 mg/kg 19.614 mg/kg 0.00168 % ✓ 31 benzo[k]fluoranthene 601-036-00-5 205-916-6 207-08-9 8.2 mg/kg 7.659 mg/kg 0.000766 % ✓ 32 benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 200-028-5 50-32-8 19 mg/kg 17.746 mg/kg 0.000766 % ✓ 33 indeno[123-cd]pyrene 601-032-00-3 200-028-5 50-32-8 10 mg/kg 9.34 mg/kg 0.000934 % ✓ 34 dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3 2.3 mg/kg 9.34 mg/kg 0.000934 % ✓ 35 benzo[ghi]perylene 10 mg/kg 9.34 mg/kg 0.000934 % ✓ 36 monohydric phenols 11 mg/kg 2.148 mg/kg 0.0001 % <lod< td=""> 37 potassium { potassium cyanate } 615-016-00-9</lod<>	28		601-033-00-9	200-280-6	56-55-3	-	19	mg/kg		17.746	mg/kg	0.00177%	\checkmark	
29 601-048-00-0 205-923-4 218-01-9 18 mg/kg 10.812 mg/kg 0.00168 % ✓ 30 benzo[b]fluoranthene 21 mg/kg 19.614 mg/kg 0.00196 % ✓ 31 benzo[k]fluoranthene 205-911-9 205-99-2 8.2 mg/kg 7.659 mg/kg 0.00196 % ✓ 32 benzo[a]pyrene; benzo[def]chrysene 205-916-6 207-08-9 8.2 mg/kg 17.746 mg/kg 0.00177 % ✓ 33 indeno[123-cd]pyrene; benzo[def]chrysene 193-39-5 10 mg/kg 9.34 mg/kg 0.000934 % ✓ 34 dibenz[a,h]anthracene 205-883-2 193-39-5 10 mg/kg 2.148 mg/kg 0.000215 % ✓ 35 benzo[ghi]perylene 10 mg/kg 9.34 mg/kg 0.000215 % ✓ 36 monohydric phenols <1			chrysene				10			40.040		0.00100.0/		
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col δ01-034-00-4 205-911-9 205-99-2 2.1 Hig/kg 15.014 Hig/kg 0.00198 % V 31 benzo[k]fluoranthene 601-036-00-5 205-916-6 207-08-9 8.2 mg/kg 7.659 mg/kg 0.000766 % ✓ 32 benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 200-028-5 50-32-8 19 mg/kg 17.746 mg/kg 0.00177 % ✓ 33 indeno[123-cd]pyrene 205-893-2 193-39-5 10 mg/kg 9.34 mg/kg 0.000934 % ✓ 34 dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3 2.3 mg/kg 2.148 mg/kg 0.000934 % ✓ 35 benzo[ghi]perylene 10 mg/kg 9.34 mg/kg 0.000934 % ✓ 36 monohydric phenols 11 mg/kg 9.34 mg/kg 0.000934 % ✓ 37 potassium { potassium cyanate } 615-016-00-9 209-676-3 590-28-3 1700 mg/kg 2.075 3294.122 mg/kg 0.329 % ✓	30		benzo[b]fluoranthe	ne			21	ma/ka		10 61/	ma/ka	0.00196.%		
31 benzo[k]fluoranthene 8.2 mg/kg 7.659 mg/kg 0.000766 % ✓ 32 benzo[a]pyrene; benzo[def]chrysene 19 mg/kg 17.746 mg/kg 0.00177 % ✓ 33 indeno[123-cd]pyrene; 205-893-2 193-39-5 10 mg/kg 9.34 mg/kg 0.000766 % ✓ 34 dibenz[a,h]anthracene 205-893-2 193-39-5 2.3 mg/kg 2.148 mg/kg 0.000215 % ✓ 35 benzo[ghi]perylene 10 mg/kg 9.34 mg/kg 0.000934 % ✓ 36 monohydric phenols 10 mg/kg 2.148 mg/kg 0.000934 % ✓ 37 potassium { potassium cyanate } { 0.00-25 - 853-8 191-24-2 10 mg/kg 9.34 mg/kg 0.0001 % < <lod< td=""> 37 potassium { potassium cyanate } { 0.9-676-3 590-28-3 1700 mg/kg 2.075 3294.122 mg/kg 0.329 % ✓</lod<>			601-034-00-4	205-911-9	205-99-2		21 1	iiig/kg		13.014	iiig/itg	0.00100 /0	ľ	
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33 • indeno[123-cd]pyrene 10 mg/kg 9.34 mg/kg 0.000934 % ✓ 34 205-893-2 193-39-5 10 mg/kg 9.34 mg/kg 0.000934 % ✓ 34 dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3 2.3 mg/kg 2.148 mg/kg 0.000934 % ✓ 35 • benzo[ghi]perylene 10 mg/kg 9.34 mg/kg 0.000934 % ✓ 36 • monohydric phenols 10 mg/kg 9.34 mg/kg 0.000934 % ✓ 37 • potassium { potassium cyanate } 615-016-00-9 209-676-3 590-28-3 1700 mg/kg 2.075 3294.122 mg/kg 0.329 % ✓			601-032-00-3	200-028-5	50-32-8								-	
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34 dibenz[a,h]anthracene 2.3 mg/kg 2.148 mg/kg 0.000215 % √ 35				205-893-2	193-39-5	_								
36 •	34		dibenz[a,h]anthrac	ene			2.3	mg/kg		2.148	mg/kg	0.000215 %	\checkmark	
35 benzolghilperylene 10 mg/kg 9.34 mg/kg 0.000934 % ✓ 36 205-883-8 191-24-2			601-041-00-2	200-181-8	53-70-3								_	
Image: Non-Order to the control of	35	۲	penzolghijperylene		404.04.0		10	mg/kg		9.34	mg/kg	0.000934 %	\checkmark	
36 Informyonic prienols <1	-	-		205-883-8	191-24-2	_							\vdash	
37 ^{p+1100} 1700 mg/kg 2.075 3294.122 mg/kg 0.329 % √ Total: 0.481 %	36	۲	mononydric pneno		D1106	_	<1	mg/kg		<1	mg/kg	<0.0001 %		<lod< td=""></lod<>
37 ✓ 1700 mg/kg 2.075 3294.122 mg/kg 0.329 % ✓ 615-016-00-9 209-676-3 590-28-3 Total: 0.481 %	-	0	potossium (potos	ium ovanata 1	F 1100	_							-	
Total: 0.481 %	37	4	615-016-00-9	209-676-3	590-28-3	-	1700	mg/kg	2.075	3294.122	mg/kg	0.329 %	\checkmark	
	-	L	6-00 010 00-3	200 010:0	500 20 0						Total:	0.481 %	\vdash	L

Key

Rey	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
4	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<lod< th=""><th>Below limit of detection</th></lod<>	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification



Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because HP3 Flammable has been discounted as a viable Hazardous Property as the soils considered within this assessment are a solid waste without a free draining liquid phase. Advice from the laboratory indicates that testing for flammability was not appropriate due to the low level of TPH. The waste does not display this hazardous property.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0738%)



Classification of sample: TP2-D1-12072023-0.30

Non Hazardous Waste Classified as 17 05 04 in the List of Waste

Sample details

Sample name:	LoW Code:	
TP2-D1-12072023-0.30	Chapter:	17: Construction and Demolition Wastes (including excavated soil
Moisture content:		from contaminated sites)
8.4%	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05
(wet weight correction)		03)

Hazard properties

None identified

Determinands

Moisture content: 8.4% Wet Weight Moisture Correction applied (MC)

#		Determinand EU CLP index EC Number CAS Number	CLP Note	User entere	ed data	Conv. Factor	Compound	conc.	Classification value	MC Applied	Conc. Not Used
1	4	arsenic { arsenic trioxide }		16	mg/kg	1.32	19.351	mg/kg	0.00194 %	\checkmark	
		033-003-00-0 215-481-4 1327-53-3									
2	4	boron { diboron trioxide; boric oxide }		1.9	mg/kg	3.22	5.604	mg/kg	0.00056 %	\checkmark	
	_	005-008-00-8 215-125-8 1303-86-2									
3	44	cadmium { cadmium oxide }	_	1	mg/kg	1.142	1.046	mg/kg	0.000105 %	\checkmark	
		048-002-00-0 215-146-2 1306-19-0								-	
4	~	chromium in chromium(III) compounds { <pre> chromium(III) oxide (worst case) } </pre>		33	mg/kg	1.462	44.18	mg/kg	0.00442 %	\checkmark	
		215-160-9 1308-38-9									
5	4	chromium in chromium(VI) compounds { chromium (compounds, with the exception of barium chromate a of compounds specified elsewhere in this Annex }	l) nd	<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<lod< td=""></lod<>
_	æ	copper { dicopper oxide; copper (I) oxide }		0.1		4 4 9 9	04 750		0.00040.0/	<u> </u>	
6	~	029-002-00-X 215-270-7 1317-39-1		24	mg/kg	1.126	24.752	mg/kg	0.00248 %	\checkmark	
7	4	lead { • lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	1	61	mg/kg		55.876	mg/kg	0.00559 %	\checkmark	
		082-001-00-6									
8	44	mercury { mercury dichloride }		<0.3	mg/kg	1.353	< 0.406	mg/kg	<0.0000406 %		<lod< td=""></lod<>
	_	080-010-00-X 231-299-8 7487-94-7								-	
9	44			15	mg/kg	1.545	21.231	mg/kg	0.00212 %	\checkmark	
		selenium { nickel selenate }									
10		028-031-00-5 239-125-2 15060-62-5	_	<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<lod< td=""></lod<>
	æ	zinc { zinc oxide }		000		4.045	004.054		0.0005.0/		
11	~	030-013-00-7 215-222-5 1314-13-2		320	mg/kg	1.245	364.851	mg/kg	0.0365 %	\checkmark	
12		TPH (C6 to C40) petroleum group		222	ma/ka		204 112	ma/ka	0.0204.94	,	
12		TPH		332	iiig/kg		304.112	mg/kg	0.0304 /8	~	
13		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane		< 0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
		603-181-00-X 216-653-1 1634-04-4	_					00			
14		benzene		<0.005	ma/ka		<0.005	ma/ka	<0.000005.9/	Ì	
14		601-020-00-8 200-753-7 71-43-2		<0.005	mg/kg		<0.005	s mg/kg	<0.0000003 %		
15		toluene		< 0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
		601-021-00-3 203-625-9 108-88-3									



_	÷.	ANAARIINA			1	-							
#			Determinand	1	Note	User entere	d data	Conv. Factor	Compound	conc.	Classification value	Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number	CLF							MC	
16	۰	ethylbenzene				<0.005	ma/ka		<0.005	ma/ka	~0.000005 %		
		601-023-00-4	202-849-4	100-41-4						iiig/itg			.205
		xylene											
17		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<lod< td=""></lod<>
18	4	cyanides { salts exception of compl ferricyanides and n specified elsewher	of hydrogen cyanic lex cyanides such a nercuric oxycyanide e in this Annex }	de with the as ferrocyanides, e and those		<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<lod< td=""></lod<>
		006-007-00-5			1								
10	۲	pН				8.4	nН		8 /	nH	8 4 nH		
19				PH	_	0.4	рп		0.4	рп	0.4 pm		
20		naphthalene				0.26	ma/ka		0 238	ma/ka	0 0000238 %		
20		601-052-00-2	202-049-5	91-20-3	1	0.20	iiig/kg		0.230	iiig/kg	0.0000230 /8	~	
21	۵	acenaphthylene	205-917-1	208-96-8		0.62	mg/kg		0.568	mg/kg	0.0000568 %	\checkmark	
		acenaphthene	200 011 1	200 00 0									
22			201-469-6	83-32-9		0.86	mg/kg		0.788	mg/kg	0.0000788 %	\checkmark	
		fluorene	201 100 0	00 02 0									
23			201-695-5	86-73-7	-	0.87	mg/kg		0.797	mg/kg	0.0000797 %	\checkmark	
		phenanthrene	201.000.0	00101									
24			201-581-5	85-01-8		8.2	mg/kg		7.511	mg/kg	0.000751 %	\checkmark	
		anthracene											
25			204-371-1	120-12-7	-	2.9	mg/kg		2.656	mg/kg	0.000266 %	\checkmark	
		fluoranthene											
26			205-912-4	206-44-0		14	mg/kg		12.824	mg/kg	0.00128 %	\checkmark	
		pyrene			\vdash								
27		17	204-927-3	129-00-0		12	mg/kg		10.992	mg/kg	0.0011 %	\checkmark	
		benzo[a]anthracen	e						/				
28		601-033-00-9	200-280-6	56-55-3	1	6.3	mg/kg		5.771	mg/kg	0.000577%	\checkmark	
		chrysene	1	1	\square	F 0			E 107		0.00054.00		
29		601-048-00-0	205-923-4	218-01-9	1	5.9	mg/kg		5.404	mg/kg	0.00054 %	\checkmark	
		benzo[b]fluoranthe	ne						7.050		0.000705.0/	,	
30		601-034-00-4	205-911-9	205-99-2		7.7	тд/кд		7.053	mg/kg	0.000705 %	\checkmark	
24		benzo[k]fluoranthe	ne	1		2.2			2 021		0.000202.0/	,	
51		601-036-00-5	205-916-6	207-08-9	1	3.2	шу/ку		2.931	шу/ку	0.000293 %	\checkmark	
22		benzo[a]pyrene; be	enzo[def]chrysene			7.2	malka		6 505	malka	0,00066,9/	,	
32		601-032-00-3	200-028-5	50-32-8	1	1.2	шу/ку		0.595	шу/ку	0.00000 %	\checkmark	
22		indeno[123-cd]pyre	ene			4	ma/ka		3 664	ma/ka	0.000366.%		
			205-893-2	193-39-5		4	ing/kg		0.004	iiig/kg	0.000000 /0	~	
34		dibenz[a,h]anthrac	ene			0 07	ma/ka		0 880	ma/ka	0 0000880 %	/	
		601-041-00-2	200-181-8	53-70-3		0.91	mg/kg		0.009	iiig/kg	0.0000000 //	V	
35	۲	benzo[ghi]perylene)			1.1	ma/ka		1 03	ma/ka	0 000403 %	/	
			205-883-8	191-24-2		4.4	mg/kg		4.00	iiig/kg	(g 0.000403 %)	×	
36		monohydric pheno	ls			<1	ma/ka		<1	ma/ka	<0.0001 %		<lod< td=""></lod<>
Ľ				P1186									
										Total	0 0924 %	1	

Key

ĸey	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
0	Determinand defined or amended by HazWasteOnline (see Appendix A)
44	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<lod< th=""><th>Below limit of detection</th></lod<>	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification



Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because HP3 Flammable has been discounted as a viable Hazardous Property as the soils considered within this assessment are a solid waste without a free draining liquid phase. Advice from the laboratory indicates that testing for flammability was not appropriate due to the low level of TPH. The waste does not display this hazardous property.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0304%)



Classification of sample: TP1-D1-12072023-0.20



Sample details

Sample name:	LoW Code:	
TP1-D1-12072023-0.20	Chapter:	17: Construction and Demolition Wastes (including excavated soil
Moisture content:		from contaminated sites)
13%	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05
(wet weight correction)		03)

Hazard properties

None identified

Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#		EU CLP index number	Determinand EC Number	CAS Number	CLP Note	User entere	d data	Conv. Factor	Compound	conc.	Classification value	MC Applied	Conc. Not Used
1	*	arsenic { arsenic tr 033-003-00-0	r <mark>ioxide</mark> } 215-481-4	1327-53-3	-	15	mg/kg	1.32	17.23	mg/kg	0.00172 %	\checkmark	
2	*	boron { diboron tric 005-008-00-8	<pre>pxide; boric oxide } 215-125-8</pre>	1303-86-2	-	2.1	mg/kg	3.22	5.883	mg/kg	0.000588 %	\checkmark	
3	*	cadmium { <mark>cadmiu</mark> 048-002-00-0	m oxide } 215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<lod< td=""></lod<>
4	*	chromium in chron chromium(III) oxide	nium(III) compound <mark>e (worst case)</mark> } 215-160-9	s {		22	mg/kg	1.462	27.974	mg/kg	0.0028 %	~	
5	*	chromium in chron compounds, with the of compounds spent 024-017-00-8	nium(VI) compound he exception of bar cified elsewhere in	ls { chromium (VI) ium chromate and this Annex }		<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<lod< td=""></lod<>
6	*	copper { dicopper {	oxide; copper (I) ox 215-270-7	<mark>ide</mark> } 1317-39-1		24	mg/kg	1.126	23.509	mg/kg	0.00235 %	~	
7	\$	lead { lead com specified elsewher	pounds with the exp re in this Annex (wo	ception of those orst case) }	1	49	mg/kg		42.63	mg/kg	0.00426 %	~	
8	4	mercury { mercury 080-010-00-X	v <mark>dichloride</mark> } 231-299-8	7487-94-7	-	<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<lod< td=""></lod<>
9	4	nickel {	b <mark>xide (nickel dioxide</mark> 234-823-3	<mark>)</mark> } 12035-36-8		13	mg/kg	1.545	17.476	mg/kg	0.00175 %	\checkmark	
10	*	selenium { nickel s 028-031-00-5	elenate } 239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<lod< td=""></lod<>
11	*	zinc { zinc oxide } 030-013-00-7	215-222-5	1314-13-2	-	390	mg/kg	1.245	422.331	mg/kg	0.0422 %	\checkmark	
12	8	TPH (C6 to C40) p	petroleum group	ТРН		<20	mg/kg		<20	mg/kg	<0.002 %		<lod< td=""></lod<>
13		tert-butyl methyl et 2-methoxy-2-methy 603-181-00-X	ther; MTBE; ylpropane 216-653-1	1634-04-4	_	<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
14		benzene 601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
15		toluene 601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.000005 %		<lod< td=""></lod<>



	~	9 H G G B I H H G											
#			Determinand		Note	User entered	data	Conv. Factor	Compound	conc.	Classification value	Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number	CLF							MC	
16		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
		601-023-00-4	202-849-4	100-41-4									
		xylene											
17		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<lod< td=""></lod<>
18	~	cyanides { [•] salts exception of compl ferricyanides and n specified elsewhere	of hydrogen cyani lex cyanides such nercuric oxycyanid e in this Annex }	de with the as ferrocyanides, le and those		<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<lod< td=""></lod<>
		006-007-00-5											
19		рН				81	рH		8 1	рН	81 pH		
				PH		0	P···			p			
20		naphthalene				<0.05	mg/kg		<0.05	ma/ka	<0.000005 %		<lod< td=""></lod<>
		601-052-00-2	202-049-5	91-20-3									_
21	۲	acenaphthylene	1			<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
			205-917-1	208-96-8	_								
22	۲	acenaphthene	001 100 0	60.00.0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
			201-469-6	83-32-9	_								
23	۲	fluorene	001 005 5	00.70.7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
			201-695-5	86-73-7	-							H	
24	۲	pnenanthrene	201 591 5	05.04.0		0.15	mg/kg		0.13	mg/kg	0.000013 %	\checkmark	
-		anthronona	201-381-3	65-01-6	-							\square	
25	۲	anthracene	204 271 1	120 12 7	-	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
	_	fluoranthene	204-371-1	120-12-1	-							H	
26			205-912-4	206-44-0	-	0.31	mg/kg		0.27	mg/kg	0.000027 %	\checkmark	
		pyrene	200 0.2 .	200 0									
27			204-927-3	129-00-0		0.3	mg/kg		0.261	mg/kg	0.0000261 %	\checkmark	
00		benzo[a]anthracen	e	1		0.40			0.400		0.0000400.0/		
28		601-033-00-9	200-280-6	56-55-3		0.16	mg/kg		0.139	mg/ĸg	0.0000139 %		
20		chrysene		·		0.20	malka		0.050	malka	0.0000252.9/	,	
29		601-048-00-0	205-923-4	218-01-9		0.29	mg/kg		0.202	mg/kg	0.0000232 %	V	
30		benzo[b]fluoranthe	ne			0.38	ma/ka		0.331	ma/ka	0.0000331 %	1	
		601-034-00-4	205-911-9	205-99-2		0.00						ľ	
31		benzo[k]fluoranthe	ne			0.12	mg/ka		0.104	ma/ka	0.0000104 %		
		601-036-00-5	205-916-6	207-08-9	1							ľ	
32		benzo[a]pyrene; be	enzo[def]chrysene			0.23	mg/kg		0.2	ma/ka	0.00002 %		
		601-032-00-3	200-028-5	50-32-8								Ľ	
33	Θ	indeno[123-cd]pyre	ene			0.15	mg/kg		0.13	mg/kg	0.000013 %	\checkmark	
	_		205-893-2	193-39-5	_							Ц	
34		dibenz[a,h]anthrac	ene			<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
\vdash	-	601-041-00-2	200-181-8	53-70-3	-							\square	
35	۲	penzo[ghi]perylene		404.04.0	4	0.18	mg/kg		0.157	mg/kg	0.0000157 %	\checkmark	
\vdash	-	monohydria shas-	200-883-8	191-24-2	+							\vdash	
36	۲	mononydric pneno		D1196	4	<1	mg/kg		<1	mg/kg	<0.0001 %		<lod< td=""></lod<>
-				F 1100						Total	0.0589 %	\vdash	

Key

User supplied data

Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

< ≺LOD Below limit of detection

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration



Classification of sample: TP1-D2-12072023-0.70



Sample details

Sample name:	LoW Code:	
FP1-D2-12072023-0.70	Chapter:	17: Construction and Demolition Wastes (including excavated soil
Moisture content:		from contaminated sites)
18%	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05
wet weight correction)		03)

Hazard properties

None identified

Determinands

Moisture content: 18% Wet Weight Moisture Correction applied (MC)

#		EU CLP index number	Determinand EC Number	CAS Number	CLP Note	User entere	d data	Conv. Factor	Compound	conc.	Classification value	MC Applied	Conc. Not Used
1	\$	arsenic { arsenic tr	rioxide }	4207 52 2		25	mg/kg	1.32	27.067	mg/kg	0.00271 %	~	
2	*	boron { diboron tric	pxide; boric oxide }	1327-53-3		1.4	mg/kg	3.22	3.696	mg/kg	0.00037 %	√	
3	\$	005-008-00-8 cadmium { <mark>cadmiu</mark>	215-125-8 im oxide }	1303-86-2		<0.2	ma/ka	1.142	<0.228	ma/ka	<0.0000228 %		<lod< td=""></lod<>
	æ	048-002-00-0	215-146-2	1306-19-0									
4	•	chromium in chron chromium(III) oxide	e (worst case) }	s { -	_	53	mg/kg	1.462	63.519	mg/kg	0.00635 %	\checkmark	
5	4	chromium in chron compounds, with the of compounds spe 024-017-00-8	nium(VI) compound he exception of bar cified elsewhere in	Is { chromium (VI) ium chromate and this Annex }		<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<lod< td=""></lod<>
6	\$	copper { dicopper {	oxide; copper (I) ox	<mark>ide</mark> } 1317-39-1		18	mg/kg	1.126	16.618	mg/kg	0.00166 %	~	
7	*	lead { • lead com specified elsewher	pounds with the ex- re in this Annex (wo	ception of those orst case) }	1	24	mg/kg		19.68	mg/kg	0.00197 %	\checkmark	
8	\$	082-001-00-6 mercury { mercury 080-010-00-X	dichloride }	7487-94-7	-	<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<lod< td=""></lod<>
9	\$	nickel { nickel(IV) c	pxide (nickel dioxide) }		27	mg/kg	1.545	34.21	mg/kg	0.00342 %	~	
10	4	selenium { nickel s	elenate }	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<lod< td=""></lod<>
11	\$	zinc { zinc oxide }	015 000 5	1214 12 2		170	mg/kg	1.245	173.513	mg/kg	0.0174 %	~	
12	8	TPH (C6 to C40) p	petroleum group	ТОЦ		<20	mg/kg		<20	mg/kg	<0.002 %		<lod< td=""></lod<>
13		tert-butyl methyl et 2-methoxy-2-methy	ther; MTBE; ylpropane			<0.005	mg/kg		<0.005	mg/kg	<0.000005 %		<lod< td=""></lod<>
14		603-181-00-X benzene	216-653-1	1634-04-4	-	<0.005	ma/ka		<0.005	ma/ka	<0.000005.9/		
14		601-020-00-8	200-753-7	71-43-2	-	<0.005	туку		<0.005	iiig/kg	<0.0000003 %		
15		601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>



	÷.	8 11 2 8 E 1 1 11 4											
#			Determinand		Note	User entered	d data	Conv. Factor	Compound	conc.	Classification value	Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number	CLF							MC	
16		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
		601-023-00-4	202-849-4	100-41-4									
		xylene											
17		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<lod< td=""></lod<>
18	4	cyanides { salts exception of compl ferricyanides and r specified elsewher	of hydrogen cyanio lex cyanides such a nercuric oxycyanid e in this Annex }	de with the as ferrocyanides, e and those		<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<lod< td=""></lod<>
		006-007-00-5											
19		pН				7.6	nН		7.6	nН	7.6 pH		
				PH		7.0	рп		7.0	pri	7.0 pm		
20		naphthalene				<0.05	ma/ka		<0.05	ma/ka	<0.000005 %		
20		601-052-00-2	202-049-5	91-20-3		<0.05	iiig/kg		<0.00	iiig/kg	<0.000003 /8		LOD
21	۲	acenaphthylene				<0.05	ma/ka		<0.05	ma/ka	<0 000005 %		<lod< td=""></lod<>
			205-917-1	208-96-8		10.00							
22	۲	acenaphthene				<0.05	ma/ka		<0.05	ma/ka	<0.000005 %		<lod< td=""></lod<>
			201-469-6	83-32-9									
23	۲	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
			201-695-5	86-73-7						00			
24	۲	phenanthrene				0.06	mg/kg		0.0492	mg/kg	0.00000492 %	\checkmark	
			201-581-5	85-01-8									
25	۲	anthracene	204 271 1	120 12 7	_	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
-	-	fluoranthene	204-371-1	120-12-7	+								
26	۲	lidorantilerie	205-012-4	206-44-0	_	0.08	mg/kg		0.0656	mg/kg	0.00000656 %	\checkmark	
-		pyrepe	200-912-4	200-44-0									
27	۲	pyrene	204-927-3	129-00-0	_	0.12	mg/kg		0.0984	mg/kg	0.00000984 %	\checkmark	
		benzolalanthracen	P	120 00 0									
28		601-033-00-9	200-280-6	56-55-3	-	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
		chrvsene											
29		601-048-00-0	205-923-4	218-01-9	-	0.07	mg/kg		0.0574	mg/kg	0.00000574 %	\checkmark	
20		benzo[b]fluoranthe	ne	ų – –	+	-0.0F	maller		40 OF	maller	-0.000005.0/		
30		601-034-00-4	205-911-9	205-99-2	-	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
21		benzo[k]fluoranthe	ne	*		<0.05	malka		<0.0E	malka			<1.0D
		601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	ing/kg	<0.000005 %		<lod< td=""></lod<>
22		benzo[a]pyrene; be	enzo[def]chrysene			-0.05	malka		-0.05	ma/ka	-0.00005.9/		
32		601-032-00-3	200-028-5	50-32-8		<0.05	шу/ку		<0.05	mg/kg	<0.000003 /8		LOD
33	8	indeno[123-cd]pyre	ene			<0.05	ma/ka		<0.05	ma/ka	<0.000005 %		<lod< td=""></lod<>
			205-893-2	193-39-5									
34		dibenz[a,h]anthrac	ene			< 0.05	mg/ka		<0.05	mg/ka	<0.000005 %		<lod< td=""></lod<>
		601-041-00-2	200-181-8	53-70-3									
35	۲	benzo[ghi]perylene	9	1		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
			205-883-8	191-24-2									
36	۲	monohydric pheno	ls	D4400	_	<1	mg/kg		<1	mg/kg	<0.0001 %		<lod< td=""></lod<>
<u> </u>				P1186						T-4-1	0.0200.0%		
1										intal.			

Key

User supplied data

Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

< ≺LOD Below limit of detection



Classification of sample: TP6-D1-12072023-0.20



Sample details

Sample name:	LoW Code:	
TP6-D1-12072023-0.20	Chapter:	17: Construction and Demolition Wastes (including excavated soil
Moisture content:		from contaminated sites)
9.6%	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05
(wet weight correction)		03)

Hazard properties

None identified

Determinands

Moisture content: 9.6% Wet Weight Moisture Correction applied (MC)

#		EU CLP index number	Determinand EC Number	CAS Number	CLP Note	User entere	d data	Conv. Factor	Compound	conc.	Classification value	MC Applied	Conc. Not Used
1	4	arsenic { arsenic tr	r <mark>ioxide</mark> }	1327-53-3		14	mg/kg	1.32	16.71	mg/kg	0.00167 %	\checkmark	
2	~	boron { diboron trie	pxide; boric oxide }	1303-86-2		0.5	mg/kg	3.22	1.455	mg/kg	0.000146 %	~	
3	4	cadmium { cadmiu	m oxide }	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<lod< td=""></lod<>
4	4	chromium in chron chromium(III) oxide	nium(III) compound e (worst case) }	ISOU-13-0	_	32	mg/kg	1.462	42.28	mg/kg	0.00423 %	~	
5	4	chromium in chron compounds, with t of compounds spe 024-017-00-8	nium(VI) compound he exception of bar cified elsewhere in	Is { chromium (VI) ium chromate and this Annex }	_	<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<lod< td=""></lod<>
6	4	copper { dicopper 029-002-00-X	oxide; copper (I) ox 215-270-7	<mark>ide</mark> } 1317-39-1		37	mg/kg	1.126	37.659	mg/kg	0.00377 %	\checkmark	
7	4	lead { lead com specified elsewher	pounds with the ex re in this Annex (wo	ception of those orst case) }	1	39	mg/kg		35.256	mg/kg	0.00353 %	~	
8	~	mercury { mercury 080-010-00-X	v dichloride }	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<lod< td=""></lod<>
9	4	nickel { nickel(IV) c	bxide (nickel dioxide	<mark>)</mark> } 12035-36-8		15	mg/kg	1.545	20.953	mg/kg	0.0021 %	\checkmark	
10	4	selenium {	elenate } 239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<lod< td=""></lod<>
11	4	zinc { zinc oxide } 030-013-00-7	215-222-5	1314-13-2		140	mg/kg	1.245	157.531	mg/kg	0.0158 %	\checkmark	
12	٥	TPH (C6 to C40) p	petroleum group	ТРН		<20	mg/kg		<20	mg/kg	<0.002 %		<lod< td=""></lod<>
13		tert-butyl methyl et 2-methoxy-2-meth 603-181-00-X	ther; MTBE; ylpropane 216-653-1	1634-04-4	_	<0.005	mg/kg		<0.005	mg/kg	<0.000005 %		<lod< td=""></lod<>
14		benzene 601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
15		toluene 601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.000005 %		<lod< td=""></lod<>



#		Determinand EU CLP index EC Number CAS Number	LP Note	User entered data	Conv. Factor	Compound conc.	Classification value	1C Applied	Conc. Not Used
		number						2	
16	۲	ethylbenzene	_	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<lod< td=""></lod<>
		001-023-00-4 202-849-4 100-41-4	+						
17		601-022-00-9 202-422-2 [1] 95-47-6 [1] 203-396-5 [2] 106-42-3 [2] 203-576-3 [3] 108-38-3 [3] 215-535-7 [4] 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<lod< td=""></lod<>
18	4	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }		<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<lod< td=""></lod<>
		006-007-00-5	+-						
19	۲	РН	_	8.5 pH		8.5 pH	8.5 pH		
20		naphthalene	1	-0.05 ma/ka		-0.05 mg/kg	-0.00000E %		
20		601-052-00-2 202-049-5 91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.00005 %		<lod< td=""></lod<>
21	۲	acenaphthylene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
<u> </u>		205-917-1 208-96-8	+-						
22	8	201-469-6 83-32-9	-	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
		fluorene	+	0.05 //		0.05 //	0.00005.0/		
23		201-695-5 86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
24	0	phenanthrene		0.18 mg/kg		0.163 mg/kg	0.0000163 %	1	
		201-581-5 85-01-8	1					Ľ	
25	8	anthracene	_	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
-		fluoranthene	+						
26	-	205-912-4 206-44-0	-	0.37 mg/kg		0.334 mg/kg	0.0000334 %	\checkmark	
27		pyrene		0.36 ma/ka		0.325 mg/kg	0.0000325 %	./	
		204-927-3 129-00-0	1_	0.00 mg/ng			0.000020 //	Ň	
28		benzo[a]anthracene		0.18 mg/kg		0.163 mg/kg	0.0000163 %	\checkmark	
		601-033-00-9 200-280-6 56-55-3	_						
29		601-048-00-0 205-923-4 218-01-9	-	0.21 mg/kg		0.19 mg/kg	0.000019 %	\checkmark	
30		benzo[b]fluoranthene		0.28 ma/ka		0.253 ma/ka	0.0000253.%		
50		601-034-00-4 205-911-9 205-99-2		0.20 119/89		0.233 119/kg	0.0000233 /8	~	
31		benzo[k]fluoranthene		0.12 mg/kg		0.108 mg/kg	0.0000108 %	\checkmark	
		601-036-00-5 205-916-6 207-08-9	+-						
32		601-032-00-3 200-028-5 50-32-8	_	0.16 mg/kg		0.145 mg/kg	0.0000145 %	\checkmark	
		indeno[123-cd]pyrene	+	0.40		0.110	0.0000140.0/		
33		205-893-2 193-39-5		0.13 mg/kg		0.118 mg/kg	0.0000118 %	\checkmark	
34		dibenz[a,h]anthracene		<0.05 ma/ka		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
Ľ		601-041-00-2 200-181-8 53-70-3	1						
35	۲	benzo[ghi]perylene		0.2 mg/kg		0.181 mg/kg	0.0000181 %	\checkmark	
	6	monohydric phenols							
36		P1186	-	<1 mg/kg		<1 mg/kg	<0.0001 %		<lod< td=""></lod<>
						Total	0.0344 %	1	

Key

User supplied data

Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

- Speciated Determinand Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- < ≺LOD Below limit of detection



Classification of sample: TP6-D2-12072023-0.60



Sample details

ample name:	LoW Code:	
P6-D2-12072023-0.60	Chapter:	17: Construction and Demolition Wastes (including excavated soil
loisture content:		from contaminated sites)
9%	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05
wet weight correction)		03)

Hazard properties

None identified

Determinands

Moisture content: 19% Wet Weight Moisture Correction applied (MC)

#		EU CLP index number	Determinand EC Number	CAS Number	CLP Note	User entere	d data	Conv. Factor	Compound	conc.	Classification value	MC Applied	Conc. Not Used
1	4	arsenic { arsenic tr	ioxide }			26	mg/kg	1.32	27.806	mg/kg	0.00278 %	~	
		033-003-00-0	215-481-4	1327-53-3								_	
2	4	boron { diboron tric	<pre>pxide; boric oxide }</pre>			0.4	mg/kg	3.22	1.043	mg/kg	0.000104 %	\checkmark	
		005-008-00-8	215-125-8	1303-86-2									
3	4	cadmium { cadmiu	m oxide }	1000 10 0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<lod< td=""></lod<>
	_	048-002-00-0	215-146-2	1306-19-0	-							_	
4	4	chromium in chron <mark>chromium(III) oxide</mark>	nium(III) compound <mark>e (worst case)</mark> }	s {		61	mg/kg	1.462	72.215	mg/kg	0.00722 %	\checkmark	
			215-160-9	1308-38-9									
5	4	chromium in chron compounds, with the of compounds spe	nium(VI) compound he exception of bar cified elsewhere in	Is { chromium (VI) ium chromate and this Annex }	-	<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<lod< td=""></lod<>
		copper { dicopper	ovide: copper (I) ov	ide }								h	
6			215-270-7	1317-30-1		16	mg/kg	1.126	14.592	mg/kg	0.00146 %	\checkmark	
7	4	lead { [●] lead com specified elsewher	pounds with the exp e in this Annex (wo	ception of those rst case) }	1	11	mg/kg		8.91	mg/kg	0.000891 %	~	
		082-001-00-6											
8	4	mercury { mercury	dichloride }			<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<lod< td=""></lod<>
		080-010-00-X	231-299-8	7487-94-7								_	
9	4	nickel { nickel(IV) c	oxide (nickel dioxide	<mark>;)</mark>		38	mg/kg	1.545	47.561	mg/kg	0.00476 %	\checkmark	
		028-004-00-8	234-823-3	12035-36-8									
10	4	selenium { nickel s	elenate }	45000 00 5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<lod< td=""></lod<>
		028-031-00-5	239-125-2	15060-62-5								-	
11	44	2inc { <mark>zinc oxide</mark> } 030-013-00-7	215-222-5	1314-13-2		70	mg/kg	1.245	70.575	mg/kg	0.00706 %	\checkmark	
12	۰	TPH (C6 to C40) p	etroleum group			<20	ma/ka		<20	ma/ka	<0.002 %		<1 OD
				TPH		~20							
13		tert-butyl methyl et 2-methoxy-2-methy	her; MTBE; ylpropane			<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
		603-181-00-X	216-653-1	1634-04-4									
14		benzene				<0.005	mg/ka		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
		601-020-00-8	200-753-7	71-43-2								_	ļ
15		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.000005 %		<lod< td=""></lod<>
		601-021-00-3	203-625-9	108-88-3									



	~		_		. <u> </u>		· · · · · · · · · · · · · · · · · · ·	_	
#		Determinand	Note	User entered data	Conv. Factor	Compound conc.	Classification value	Applied	Conc. Not Used
		EU CLP index EC Number CAS Number	CLF					MC	
16		ethylbenzene		<0.005 mg/kg		<0.005 mg/kg	<0.000005.94		
10		601-023-00-4 202-849-4 100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<lod< td=""></lod<>
		xylene							
17		601-022-00-9 202-422-2 [1] 95-47-6 [1] 203-396-5 [2] 106-42-3 [2] 203-576-3 [3] 108-38-3 [3] 215-535-7 [4] 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<lod< td=""></lod<>
18	~	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }		<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<lod< td=""></lod<>
		006-007-00-5							
19		pН		74 pH		74 pH	74 pH		
		PH		pri					
20		naphthalene		<0.05 ma/ka		<0.05 ma/ka	<0.000005 %		<lod< td=""></lod<>
		601-052-00-2 202-049-5 91-20-3							
21	۲	acenaphthylene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
_		205-917-1 208-96-8							
22	۲	acenaphthene	4	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
	_	201-409-0 p3-52-9	-						
23	۲	201-695-5 86-73-7	-	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
-		phenanthrene	-						
24		201-581-5 85-01-8	-	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
05		anthracene	1	0.05 //		0.05 //	0.000005.0/		1.00
25		204-371-1 120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
26		fluoranthene		<0.05 mg/kg		<0.05 mg/kg	<0.00005.9/		
20		205-912-4 206-44-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 78		
27	۰	pyrene		<0.05 ma/ka		<0.05 ma/ka	<0.000005 %		<lod< td=""></lod<>
		204-927-3 129-00-0							
28		benzo[a]anthracene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
		601-033-00-9 200-280-6 56-55-3							
29		chrysene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
<u> </u>		601-048-00-0 205-923-4 218-01-9	-						
30		penzolojiluorantnene	-	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
-		bonzolk/fluoronthono							
31		601-036-00-5 205-916-6 207-08-0	-	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
-		henzolalpyrene: henzoldefichrysene	+						
32		601-032-00-3 200-028-5 50-32-8	-	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
		indeno[123-cd]pvrene	1						
33	-	205-893-2 193-39-5	-	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
24		dibenz[a,h]anthracene		<0.05 mg/kg		<0.05 ma///m			
		601-041-00-2 200-181-8 53-70-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		
35		benzo[ghi]perylene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
		205-883-8 191-24-2	1	119/Kg		119/Kg			.200
36	۲	monohydric phenols		<1 mg/ka		<1 ma/ka	<0.0001 %		<lod< td=""></lod<>
L		P1186		0,		5			-
1						Total	1 0 0274 %		

Key



Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

< ≺LOD Below limit of detection



Classification of sample: TP3-D1-12072023-0.30



Sample details

Sample name:	LoW Code:	
TP3-D1-12072023-0.30	Chapter:	17: Construction and Demolition Wastes (including excavated soil
Moisture content:		from contaminated sites)
5.1%	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05
(wet weight correction)		03)

Hazard properties

None identified

Determinands

Moisture content: 5.1% Wet Weight Moisture Correction applied (MC)

#		EU CLP index number	Determinand EC Number	CAS Number	CLP Note	User entere	d data	Conv. Factor	Compound	conc.	Classification value	MC Applied	Conc. Not Used
1	4	arsenic { arsenic tr 033-003-00-0	r <mark>ioxide</mark> } 215-481-4	1327-53-3	-	20	mg/kg	1.32	25.06	mg/kg	0.00251 %	\checkmark	
2		boron { diboron tric 005-008-00-8	<pre>pxide; boric oxide } 215-125-8</pre>	1303-86-2	-	0.5	mg/kg	3.22	1.528	mg/kg	0.000153 %	\checkmark	
3	4	cadmium { <mark>cadmiu</mark> 048-002-00-0	m oxide } 215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<lod< td=""></lod<>
4	4	chromium in chron chromium(III) oxide	nium(III) compound <mark>e (worst case)</mark> } 215-160-9	s {	_	28	mg/kg	1.462	38.836	mg/kg	0.00388 %	\checkmark	
5	4	chromium in chron compounds, with the of compounds spent 024-017-00-8	nium(VI) compound he exception of bar cified elsewhere in	ls { chromium (VI) ium chromate and this Annex }		<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<lod< td=""></lod<>
6	4	copper { dicopper {	oxide; copper (I) ox 215-270-7	<mark>ide</mark> } 1317-39-1		8.9	mg/kg	1.126	9.509	mg/kg	0.000951 %	~	
7	4	lead { lead com specified elsewher	pounds with the ext re in this Annex (wo	ception of those orst case) }	1	32	mg/kg		30.368	mg/kg	0.00304 %	\checkmark	
8	4	mercury { mercury 080-010-00-X	v <mark>dichloride</mark> } 231-299-8	7487-94-7	-	<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<lod< td=""></lod<>
9	4	nickel {	b <mark>xide (nickel dioxide</mark> 234-823-3	<mark>)</mark> } 12035-36-8		12	mg/kg	1.545	17.597	mg/kg	0.00176 %	\checkmark	
10	4	selenium {	elenate } 239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<lod< td=""></lod<>
11	4	zinc { zinc oxide } 030-013-00-7	215-222-5	1314-13-2		86	mg/kg	1.245	101.586	mg/kg	0.0102 %	~	
12	8	TPH (C6 to C40) p	betroleum group	ТРН		<20	mg/kg		<20	mg/kg	<0.002 %		<lod< td=""></lod<>
13		tert-butyl methyl et 2-methoxy-2-methy 603-181-00-X	ther; MTBE; ylpropane 216-653-1	1634-04-4	_	<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
14		benzene 601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.000005 %		<lod< td=""></lod<>
15		toluene 601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.000005 %		<lod< td=""></lod<>



	÷	8 H 8 8 F 1 1 H 8											
#		Determinand EU CLP index EC Number CAS Number	o Note	User entere	d data	Conv. Factor	Compound	conc.	Classification value	Applied	Conc. Not Used		
		EU CLP index number	EC Number	CAS Number	CLF							MC	
16	0	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
		601-023-00-4	202-849-4	100-41-4									
		xylene											
17		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<lod< td=""></lod<>
18	~	cyanides { salts exception of compl ferricyanides and r specified elsewher	of hydrogen cyanio lex cyanides such a nercuric oxycyanid e in this Annex }	de with the as ferrocyanides, e and those		<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<lod< td=""></lod<>
		006-007-00-5											
19		pН				8.8	nН		8.8	nН	88 nH		
1.2				PH		0.0	рп		0.0	pri	0.0 pm		
20		naphthalene				<0.05	ma/ka		<0.05	ma/ka	<0.000005 %		
20		601-052-00-2	202-049-5	91-20-3		<0.05	iiig/kg		<0.00	iiig/kg	<0.000000 /0		LOD
21	۰	acenaphthylene				<0.05	ma/ka		<0.05	ma/ka	<0.000005 %		
			205-917-1	208-96-8		40.00	ing/kg						
22	۰	acenaphthene				<0.05	ma/ka		<0.05	ma/ka	<0.000005 %		
			201-469-6	83-32-9		10100							
23	۰	fluorene				<0.05	ma/ka		<0.05	ma/ka	<0.000005 %		
			201-695-5	86-73-7		10100							
24		phenanthrene				0.17	ma/ka		0 161	ma/ka	0 0000161 %	./	
			201-581-5	85-01-8		0.17	ing/kg					Ň	
25	8	anthracene	204-371-1	120-12-7	_	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
		fluoranthene			+								
26	-		205-912-4	206-44-0	-	0.44	mg/kg		0.418	mg/kg	0.0000418 %	\checkmark	
		pyrene											
27			204-927-3	129-00-0	-	0.45	mg/kg		0.427	mg/kg	0.0000427 %	\checkmark	
		benzolalanthracen	e										
28		601-033-00-9	200-280-6	56-55-3	-	0.28	mg/kg		0.266	mg/kg	0.0000266 %	\checkmark	
		chrysene		1	+				c		0.0000000.01		
29		601-048-00-0	205-923-4	218-01-9	-	0.28	mg/kg		0.266	mg/kg	0.0000266 %	\checkmark	
		benzo[b]fluoranthe	ne	ı		0.00			0.075		0.0000275.0/	,	
30		601-034-00-4	205-911-9	205-99-2	-	0.29	тд/кд		0.275	mg/kg	0.0000275 %	\checkmark	
		benzo[k]fluoranthe	ne			0.00			0.0054		0.00000054.0/		
31		601-036-00-5	205-916-6	207-08-9	-	0.09	тід/кд		0.0854	тід/кд	0.00000854 %	\checkmark	
20		benzo[a]pyrene; be	enzo[def]chrysene			0.10			0 171	~~~//~~	0.0000171.0/		
32		601-032-00-3	200-028-5	50-32-8	-	0.18	тд/кд		0.171	mg/kg	0.0000171 %	\checkmark	
33	8	indeno[123-cd]pyre	ene	1		0.12	mg/kg		0.114	mg/kg	0.0000114 %	\checkmark	
<u> </u>			205-893-2	193-39-5									
34		dibenz[a,h]anthrac	ene	Lo 70 0		< 0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
<u> </u>		601-041-00-2	200-181-8	53-70-3	_								
35	۲	benzo[ghi]perylene	e	101015	_	0.14	mg/kg		0.133	mg/kg	0.0000133 %	\checkmark	
<u> </u>			205-883-8	191-24-2	_								
36	۲	monohydric pheno	IS	D1100	_	<1	mg/kg		<1	mg/kg	<0.0001 %		<lod< td=""></lod<>
-				P1186						T-+-'	0.0257.0/		
1										intal.		1	

Key

User supplied data

Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

< ≺LOD Below limit of detection



Classification of sample: TP3-D2-12072023-0.50



Sample details

Sample name: L	LoW Code:	
[P3-D2-12072023-0.50 (Chapter:	17: Construction and Demolition Wastes (including excavated soil
Moisture content:		from contaminated sites)
E E	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05
wet weight correction)		03)

Hazard properties

None identified

Determinands

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#		EU CLP index number	Determinand EC Number	CAS Number	CLP Note	User entere	d data	Conv. Factor	Compound	conc.	Classification value	MC Applied	Conc. Not Used
1	4	arsenic { arsenic tr	<mark>'ioxide</mark> }	1327-53-3		16	mg/kg	1.32	18.801	mg/kg	0.00188 %	~	
2	6	boron { diboron tric	<pre>pxide; boric oxide } p15-125-8</pre>	1303-86-2		1.3	mg/kg	3.22	3.725	mg/kg	0.000373 %	~	
3	*	cadmium {	m oxide }	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<lod< td=""></lod<>
4	*	chromium in chron chromium(III) oxide	nium(III) compound e (worst case) } 215-160-9	s { •	-	42	mg/kg	1.462	54.633	mg/kg	0.00546 %	~	
5	*	chromium in chron compounds, with the of compounds spe 024-017-00-8	nium(VI) compound he exception of bar cified elsewhere in	ls { chromium (VI) ium chromate and this Annex }		<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<lod< td=""></lod<>
6	\$	copper { dicopper 029-002-00-X	oxide; copper (I) ox 215-270-7	<mark>ide</mark> } 1317-39-1		7.8	mg/kg	1.126	7.816	mg/kg	0.000782 %	~	
7	\$	lead { <pre>lead com specified elsewher 082-001-00-6</pre>	pounds with the exe e in this Annex (wo	ception of those orst case) }	1	11	mg/kg		9.79	mg/kg	0.000979 %	~	
8	4	mercury { mercury 080-010-00-X	dichloride } 231-299-8	7487-94-7	-	<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<lod< td=""></lod<>
9	*	nickel {	vide (nickel dioxide 234-823-3	<mark>)</mark> } 12035-36-8		23	mg/kg	1.545	31.63	mg/kg	0.00316 %	~	
10	6	selenium { nickel s 028-031-00-5	elenate } 239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<lod< td=""></lod<>
11	*	zinc { <mark>zinc oxide</mark> } 030-013-00-7	215-222-5	1314-13-2		41	mg/kg	1.245	45.42	mg/kg	0.00454 %	\checkmark	
12	0	TPH (C6 to C40) p	etroleum group	ТРН	_	<20	mg/kg		<20	mg/kg	<0.002 %		<lod< td=""></lod<>
13		tert-butyl methyl et 2-methoxy-2-methy 603-181-00-X	her; MTBE; ylpropane 216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
14		benzene 601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.000005 %		<lod< td=""></lod<>
15		toluene 601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.000005 %		<lod< td=""></lod<>



	÷	e 10 e e e i 11 e e											
#	Determinand EU CLP index EC Number CAS Number	Note	User entere	d data	Conv.	Compound	conc.	Classification	Applied	Conc. Not			
		EU CLP index number	EC Number	CAS Number	CLP			1 40101			Value	MC	USCU
16		ethylbenzene				< 0.005	ma/ka		< 0.005	ma/ka	<0.000005 %		<lod< td=""></lod<>
		601-023-00-4	202-849-4	100-41-4									
17		xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<lod< td=""></lod<>
18	4	cyanides { salts of exception of complete ferricyanides and magnetized elsewhere	of hydrogen cyanic ex cyanides such a hercuric oxycyanid a in this Annex }	de with the as ferrocyanides, e and those		<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<lod< td=""></lod<>
		006-007-00-5			_							_	
19	۲	pH		DU		7.9	pН		7.9	рН	7.9 pH		
		nonhthalana		PH									
20		601-052-00-2	202-049-5	91-20-3	_	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
		acenaphthylene	202 043 0	51200									
21			205-917-1	208-96-8	-	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
22		acenaphthene				<0.05	ma/ka		<0.05	ma/ka	<0.00005 %		
22			201-469-6	83-32-9		<0.05	iiig/kg		<0.05	iiig/kg	<0.000003 78		LOD
23		fluorene				<0.05	ma/ka		<0.05	ma/ka	<0.000005 %		<lod< td=""></lod<>
			201-695-5	86-73-7									
24	۲	phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
			201-581-5	85-01-8	_								
25	۲	anthracene	004.074.4	400.40.7	_	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
		fluoronthono	204-371-1	120-12-7	_							-	
26	۲		205-912-4	206-44-0	_	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
	_	pyrene	200 012 4	200 44 0	-								
27			204-927-3	129-00-0	-	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
20		benzo[a]anthracene	9	,		-0.05			-0.05		10 00000E %		
20		601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
29		chrysene				<0.05	ma/ka		<0.05	ma/ka	<0.00005 %		<lod< td=""></lod<>
		601-048-00-0	205-923-4	218-01-9		.0.00							
30		benzo[b]fluoranther				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
		601-034-00-4	205-911-9	205-99-2	_							-	
31		benzo[k]iluoranther	205-916-6	207-08-9	_	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
-		benzo[a]pyrene: be	nzoldeflchrysene	207-08-3									
32		601-032-00-3	200-028-5	50-32-8	_	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
		indeno[123-cd]pyre	ne			0.05			0.05		0.000005.0/		1.00
33			205-893-2	193-39-5	-	<0.05	mg/kg		<0.05	mg/ĸg	<0.000005 %		<lod< td=""></lod<>
34		dibenz[a,h]anthrace	ene			<0.05	ma/ka		<0.05	ma/ka	<0.000005 %		
<u> </u>		601-041-00-2	200-181-8	53-70-3		NO.00	ing/kg		<0.05	ing/kg	CO.000000 //		
35	۲	benzo[ghi]perylene				<0.05	mg/ka		<0.05	mg/ka	<0.000005 %		<lod< td=""></lod<>
			205-883-8	191-24-2									-
36	۲	monohydric phenol	S	D4400		<1	mg/kg		<1	mg/kg	<0.0001 %		<lod< td=""></lod<>
-				1100						Total	0.0203.%	-	

Key

User supplied data

Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

< ≺LOD Below limit of detection

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration



Classification of sample: TP4-D1-12072023-0.15



Sample details

Sample name:	LoW Code:	
TP4-D1-12072023-0.15	Chapter:	17: Construction and Demolition Wastes (including excavated soil
Moisture content:		from contaminated sites)
6%	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05
(wet weight correction)		03)
(

Hazard properties

None identified

Determinands

Moisture content: 6% Wet Weight Moisture Correction applied (MC)

#		EU CLP index	Determinand EC Number	CAS Number	CLP Note	User entere	d data	Conv. Factor	Compound	conc.	Classification value	MC Applied	Conc. Not Used
		number	riovido l		Ĕ							-	
1	~	033-003-00-0	215-481-4	1327-53-3		17	mg/kg	1.32	21.099	mg/kg	0.00211 %	\checkmark	
2	4	boron { diboron tri	oxide; boric oxide }			0.2	ma/ka	3 22	0.605	ma/ka	0 0000605 %		
		005-008-00-8	215-125-8	1303-86-2		0.2	mg/ng	0.22	0.000	iiig/kg		~	
3	4	cadmium {	<mark>ım oxide</mark> }			<0.2	ma/ka	1.142	<0.228	ma/ka	<0.0000228 %		<lod< td=""></lod<>
_		048-002-00-0	215-146-2	1306-19-0								L	
4	4	chromium in chron chromium(III) oxid	nium(III) compound <mark>e (worst case)</mark> }	ls { ●		37	mg/kg	1.462	50.833	mg/kg	0.00508 %	\checkmark	
			215-160-9	1308-38-9									
5	4	chromium in chron compounds, with t of compounds spe	nium(VI) compound the exception of bail actified elsewhere in	ds { chromium (VI) rium chromate and this Annex }		<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<lod< td=""></lod<>
		024-017-00-8										⊢	
6	44	copper { dicopper	bis 270 7	1217 20 1	-	26	mg/kg	1.126	27.517	mg/kg	0.00275 %	\checkmark	
7	4	lead { [•] lead com specified elsewher	pounds with the ex re in this Annex (wo	ception of those prst case) }	1	17	mg/kg		15.98	mg/kg	0.0016 %	~	
		082-001-00-6											
8	4	mercury { mercury	/ dichloride }	7407.04.7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<lod< td=""></lod<>
		080-010-00-X	231-299-8	7487-94-7								-	
9	44) }		20	mg/kg	1.545	29.049	mg/kg	0.0029 %	\checkmark	
		selenium { nickel s	selenate }	12033-30-0									
10	~	028-031-00-5	239-125-2	15060-62-5	-	<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<lod< td=""></lod<>
44	æ	zinc { zinc oxide }	1	1		120	mallea	1 0 4 5	150 104	malle	0.0152.0/	,	
11		030-013-00-7	215-222-5	1314-13-2		130	тід/кд	1.245	152.104	тід/кд	0.0152 %	V	
12	۲	TPH (C6 to C40) p	petroleum group			<20	ma/ka		<20	ma/ka	<0.002 %		<lod< td=""></lod<>
				ТРН		~20	ing/itg		~20	iiig/itg			.200
13		tert-butyl methyl e 2-methoxy-2-meth	ther; MTBE; hylpropane			<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
L		603-181-00-X	216-653-1	1634-04-4	<u> </u>							-	
14		benzene	600 750 7	74 40 0		<0.005	mg/kg		<0.005	mg/kg	<0.000005 %		<lod< td=""></lod<>
	-	001-020-00-8	200-753-7	/1-43-2	-							-	
15		601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.000005 %		<lod< td=""></lod<>
		001 021-00-0	200-020-3	100-00-0									



_	÷	8 16 8 8 H 1 1 10 8											
#			Determinand		Note	User entere	d data	Conv.	Compound	conc.	Classification	Applied	Conc. Not
		EU CLP index number	EC Number	CAS Number	CLP			T actor			value	MC /	Useu
16	•	ethylbenzene				<0.005	ma/ka		<0.005	ma/ka	<0.0000005 %		
		601-023-00-4 20)2-849-4	100-41-4		<0.000	iiig/itg		<0.000	ing/kg	<0.0000000 /0		
		xylene											
17		601-022-00-9 20 20 20 21 21	02-422-2 [1] 03-396-5 [2] 03-576-3 [3] 15-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<lod< td=""></lod<>
18	~	cyanides { alts of exception of complex ferricyanides and mer specified elsewhere in	hydrogen cyanic cyanides such a rcuric oxycyanide n this Annex }	le with the as ferrocyanides, e and those		<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<lod< td=""></lod<>
		006-007-00-5			-								
<u> </u>		pH		l									
19	-			PH	-	6.8	рН		6.8	рН	6.8 pH		
		naphthalene											
20		601-052-00-2 20)2-049-5	91-20-3	-	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
		acenaphthylene				0.05			0.05	0	0.000005.0/		
21		20	05-917-1	208-96-8	-	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
22		acenaphthene		·		<0.05	ma/ka		<0.05	ma/ka	<0.00005 %		
22		20	01-469-6	83-32-9		<0.05	iiig/kg		<0.00	iiig/kg	<0.000000 /8		
23		fluorene				<0.05	ma/ka		<0.05	ma/ka	<0.000005 %		<lod< td=""></lod<>
		20	01-695-5	86-73-7									
24	0	phenanthrene				<0.05	ma/ka		<0.05	ma/ka	<0.000005 %		<lod< td=""></lod<>
		20	01-581-5	85-01-8									
25	8	anthracene	1 271 1	120 12 7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
		fluoranthene	J4-37 I-1	120-12-7	-							H	
26		20	05-912-4	206-44-0	-	0.06	mg/kg		0.0564	mg/kg	0.00000564 %	\checkmark	
07		pyrene				0.07			0.0050		0.0000050.0/		
21		20	04-927-3	129-00-0	-	0.07	mg/kg		0.0658	mg/kg	0.00000658 %		
20		benzo[a]anthracene				-0.0E	malka		-0 0E	ma/ka	-0.000005.9/		
20		601-033-00-9 20	00-280-6	56-55-3		<0.05	iiig/kg		<0.05	mg/kg	<0.000003 /8		LOD
29		chrysene				<0.05	ma/ka		<0.05	ma/ka	<0.000005 %		
		601-048-00-0 20)5-923-4	218-01-9			iiig/itg						200
30		benzo[b]fluoranthene)			<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
		601-034-00-4 20	05-911-9	205-99-2	_							Ц	
31		benzo[k]fluoranthene	25.040.0	007.00.0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
-	-	001-036-00-5 20	JD-916-6	207-08-9	+							\vdash	
32		601-032-00 3 bo	20[uei]chi ysene	50-32-8	-	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
		indono[122.cd]pyrono	0-020-0	50-32-6	-							Н	
33	8		5-803-2	103-30-5	-	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
	-	dibenz[a b]anthracen	00000	190-09-0	-							H	
34		601-041-00-2 20	00-181-8	53-70-3	-	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
25		benzo[ghi]perylene				-0.05	malka		-0.05	ma/ka	-0.000005 %		
		20	05-883-8	191-24-2		<0.05	mg/kg		<0.05	ing/kg	<0.000005 %		
36	۲	monohydric phenols				<1	ma/ka		<1	ma/ka	<0.0001 %		<lod< td=""></lod<>
Ľ				P1186									
37	4	potassium { potassiur	m cyanate }	500.00.0		3300	mg/kg	2.075	6435.549	mg/kg	0.644 %	\checkmark	
-		615-016-00-9 20	09-676-3	590-28-3						T-4-1	0.676.04	\square	
1										iotal:	0.0/0 %	1	

Key

Rey	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
0	Determinand defined or amended by HazWasteOnline (see Appendix A)
4	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<lod< td=""><td>Below limit of detection</td></lod<>	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification



Classification of sample: TP4-D2-12072023-0.70



Sample details

ample name:	LoW Code:	
P4-D2-12072023-0.70	Chapter:	17: Construction and Demolition Wastes (including excavated soil
loisture content:		from contaminated sites)
8%	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05
wet weight correction)		03)

Hazard properties

None identified

Determinands

Moisture content: 18% Wet Weight Moisture Correction applied (MC)

#		EU CLP index EC	erminand	CAS Number	CLP Note	User entere	d data	Conv. Factor	onv. Ictor Compound conc.		Classification value	MC Applied	Conc. Not Used
1	4	arsenic { arsenic trioxide }	} 31-4	1327-53-3		25	mg/kg	1.32	27.067	mg/kg	0.00271 %	\checkmark	
2	4	boron { diboron trioxide; b	oric oxide }	1303-86-2		0.5	mg/kg	3.22	1.32	mg/kg	0.000132 %	~	
3	4	cadmium { cadmium oxide	e }	4200 40 0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<lod< td=""></lod<>
4	<pre>chromium (III) oxide (worst case) } </pre>			_	65	mg/kg	1.462	77.901	mg/kg	0.00779 %	~		
5	4	chromium in chromium(V compounds, with the exce of compounds specified e 024-017-00-8	I) compound eption of bar Isewhere in	Is { chromium (VI) ium chromate and this Annex }	_	<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<lod< td=""></lod<>
6	4	copper { dicopper oxide; c 029-002-00-X 215-27	<mark>copper (I) ox</mark> 70-7	i <mark>de</mark> } 1317-39-1	_	17	mg/kg	1.126	15.695	mg/kg	0.00157 %	~	
7	4	lead { lead compounds specified elsewhere in this	with the ex s Annex (wo	ception of those rst case) }	1	15	mg/kg		12.3	mg/kg	0.00123 %	~	
8	4	mercury { mercury dichlor 080-010-00-X 231-29	r <mark>ide</mark> } 99-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<lod< td=""></lod<>
9	4	nickel { nickel(IV) oxide (n 028-004-00-8 234-82	iickel dioxide))) 12035-36-8		30	mg/kg	1.545	38.012	mg/kg	0.0038 %	~	
10	4	selenium { nickel selenate 028-031-00-5 239-12	2 5-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<lod< td=""></lod<>
11	4	zinc { zinc oxide }	22-5	1314-13-2		65	mg/kg	1.245	66.343	mg/kg	0.00663 %	~	
12	0	TPH (C6 to C40) petroleu	im group	ТРН		<20	mg/kg		<20	mg/kg	<0.002 %		<lod< td=""></lod<>
13		tert-butyl methyl ether; M 2-methoxy-2-methylpropa 603-181-00-X 216-65	TBE; ine 53-1	1634-04-4	_	<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
14		benzene 601-020-00-8 200-75	53-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
15		toluene 601-021-00-3 203-62	25-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.000005 %		<lod< td=""></lod<>



_	~							_	
#		Determinand	Note	User entered data	Conv.	Compound conc.	Classification	Applied	Conc. Not
		EU CLP index EC Number CAS Number	CLP		1 40101		Value	MC	OSCU
16		ethylbenzene		<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		
		601-023-00-4 202-849-4 100-41-4		<0.000 mg/kg		<0.000 mg/kg	<0.0000000 78		
		xylene							
17		601-022-00-9 202-422-2 [1] 95-47-6 [1] 203-396-5 [2] 106-42-3 [2] 203-576-3 [3] 108-38-3 [3] 215-535-7 [4] 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<lod< td=""></lod<>
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }			<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<lod< td=""></lod<>
		006-007-00-5							
19		pН		49 pH		49 pH	4.9 pH		
		PH							
20		naphthalene		<0.05 ma/ka		<0.05 ma/ka	<0.000005 %		<lod< td=""></lod<>
		601-052-00-2 202-049-5 91-20-3							
21	۲	acenaphthylene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
		205-917-1 208-96-8							
22	۲	acenaphthene	_	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
		201-469-6 83-32-9	_						
23	۲	201 605 5 k6 73 7	-	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
-	_	phenanthrene							
24	۲	201-581-5 85-01-8	-	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
		anthracene	+						
25		204-371-1 120-12-7	-	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
		fluoranthene		0.05		0.05	0.000005.0/		
20		205-912-4 206-44-0	-	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
27		pyrene		<0.05 mg/kg		<0.05 mg/kg	<0.00005.%		
21		204-927-3 129-00-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 /8		LOD
28		benzo[a]anthracene		<0.05 ma/ka		<0.05 ma/ka	<0.000005 %		<i od<="" td=""></i>
		601-033-00-9 200-280-6 56-55-3		10.00 mg/kg					
29		chrysene		<0.05 mg/ka		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
		601-048-00-0 205-923-4 218-01-9	-						
30		benzo[b]fluoranthene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
		601-034-00-4 205-911-9 205-99-2	_						
31			-	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
-	_	601-036-00-5 205-916-6 207-08-9							
32			-	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
-	_	indeno[123-cd]pvrene	+						
33	۲	205-893-2 193-39-5	_	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
-		dibenz[a h]anthracene	+						
34		601-041-00-2 200-181-8 53-70-3	-	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
05		benzo[ghi]perylene	\uparrow	0.05 "		0.05 "	0.000005.0/		1.00
35		205-883-8 191-24-2	1	<0.05 mg/kg		<0.05 mg/kg	kg <0.000005 %		<lod< td=""></lod<>
26		monohydric phenols		<1 ma/ka		<1 ma/ka	<0.0001.%		
		P1186		<1 mg/kg		CT Hig/kg	<0.0001 %		
	_					Total	0.027 %		-

Key

User supplied data

Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

< ≺LOD Below limit of detection



Classification of sample: TP5-D1-12072023-0.30



Sample details

Sample name:	LoW Code:	
TP5-D1-12072023-0.30	Chapter:	17: Construction and Demolition Wastes (including excavated soil
Moisture content:		from contaminated sites)
7.4%	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05
(wet weight correction)		03)

Hazard properties

None identified

Determinands

Moisture content: 7.4% Wet Weight Moisture Correction applied (MC)

#		EU CLP index EC Nu number	iinand Imber	CAS Number	CLP Note	User entere	d data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	*	arsenic { arsenic trioxide }	1	1327-53-3		14	mg/kg	1.32	17.117	mg/kg	0.00171 %	\checkmark	
2	\$	boron { diboron trioxide; borio	<mark>c oxide</mark> }	1303-86-2		0.8	mg/kg	3.22	2.385	mg/kg	0.000239 %	\checkmark	
3	\$	cadmium { cadmium oxide } 048-002-00-0 215-146-2	2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<lod< td=""></lod<>
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				30	mg/kg	1.462	40.602	mg/kg	0.00406 %	~		
5	4	chromium in chromium(VI) cd compounds, with the exception of compounds specified elsew 024-017-00-8	ompound on of bar where in	s { chromium (VI) ium chromate and this Annex }	-	<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<lod< td=""></lod<>
6	4	copper { dicopper oxide; copp 029-002-00-X 215-270-7	<mark>per (I) ox</mark> 7	<mark>ide</mark> } 1317-39-1	_	19	mg/kg	1.126	19.809	mg/kg	0.00198 %	\checkmark	
7	Ical Compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	24	mg/kg		22.224	mg/kg	0.00222 %	~		
8	\$	mercury { mercury dichloride 080-010-00-X 231-299-8	}	7487-94-7	-	<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<lod< td=""></lod<>
9	\$	nickel { nickel(IV) oxide (nicke 028-004-00-8 234-823-3	<mark>el dioxide</mark> 3) 12035-36-8	-	14	mg/kg	1.545	20.032	mg/kg	0.002 %	\checkmark	
10	4	selenium { nickel selenate } 028-031-00-5 239-125-2	2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<lod< td=""></lod<>
11	4	zinc { zinc oxide }	5	1314-13-2		190	mg/kg	1.245	218.995	mg/kg	0.0219 %	\checkmark	
12	8	TPH (C6 to C40) petroleum g	group	ТРН		<20	mg/kg		<20	mg/kg	<0.002 %		<lod< td=""></lod<>
13		tert-butyl methyl ether; MTBE 2-methoxy-2-methylpropane 603-181-00-X 216-653-1	≣; 1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.000005 %		<lod< td=""></lod<>
14		benzene 601-020-00-8 200-753-7	7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
15		toluene 601-021-00-3 203-625-9	9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.000005 %		<lod< td=""></lod<>



	÷	8 N 2 9 F 1 1 N 9								
#		Determinand			User entered data	Conv.	Compound conc.	Classification	Applied	Conc. Not
		EU CLP index EC Number C number	CAS Number	CLP		1 actor		Value	MC	USEU
16		ethylbenzene			<0.005 ma/ka		<0.005 ma/ka	<0.0000005 %		<lod< td=""></lod<>
		601-023-00-4 202-849-4 100-	-41-4							
		xylene								
17		601-022-00-9 202-422-2 [1] 95-4 203-396-5 [2] 106- 203-576-3 [3] 108- 215-535-7 [4] 1330	47-6 [1] -42-3 [2] -38-3 [3] 0-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<lod< td=""></lod<>
18	~	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those area find a leave that a find a harm in this Analysis.			<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<lod< td=""></lod<>
		006-007-00-5								
		H								
19	-	PH			6.6 pH		6.6 pH	6.6 pH		
		naphthalene					0.05 //			
20		601-052-00-2 202-049-5 91-2	20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
		acenaphthylene			0.05		0.05	0.000005.0/		1.00
21		205-917-1 208-	-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
22		acenaphthene			<0.05 mg/kg		<0.05 mg/kg	<0.00005 %		
		201-469-6 83-3	32-9		<0.00 mg/ng		<0.00 mg/kg	<0.000000 /0		LOD
23	۲	fluorene			<0.05 ma/ka		<0.05 ma/ka	<0.000005 %		<lod< td=""></lod<>
		201-695-5 86-7	73-7							_
24	۲	phenanthrene			0.1 mg/kg		0.0926 mg/kg	0.00000926 %	\checkmark	
_		201-581-5 85-0	01-8							
25	8	anthracene 204-371-1 120-	-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
26	8	fluoranthene 205-912-4 206-	-44-0		0.11 mg/kg		0.102 mg/kg	0.0000102 %	\checkmark	
07		pyrene			0.44		0.400	0.0000400.0/	,	
21		204-927-3 129-	-00-0		0.11 mg/kg		0.102 mg/kg	0.0000102 %	\checkmark	
28		benzo[a]anthracene		<0.05	<0.05 mg/kg		<0.05 mg/kg	<0.00005 %		
20		601-033-00-9 200-280-6 56-5	55-3		<0.03 Hig/kg		<0.03 mg/kg	<0.000003 /8		
29		chrysene			<0.05 ma/ka		<0.05 ma/ka	<0.000005 %		<lod< td=""></lod<>
_		601-048-00-0 205-923-4 218-	-01-9							
30		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
<u> </u>	-	601-034-00-4 205-911-9 205-	-99-2						Ц	
31		benzo[k]fluoranthene	00.0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
-		001-030-00-5 205-916-6 207-	-00-9	_					\square	
32			22-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
-		indepo[122.cd]pyropo	52-0	_			<u>.</u>			
33	۲	205-803-2 103-	-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
		dibenz[a,h]anthracene	000							
34		601-041-00-2 200-181-8 53-7	70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
05		benzo[ghi]perylene			0.05		0.05	0.000005.0/		
35		205-883-8 191-	-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<lod< td=""></lod<>
36		monohydric phenols			c1 ma/ka		<1 ma/ka	<0.0001 %		
		P11	86			<1		10.0001 //		
37	4	potassium { potassium cyanate }	00.0		1900 mg/kg	2.075	3650.131 mg/kg	0.365 %	\checkmark	
\vdash		1010-010-00-9 ×00-070-3 × 590-	-20-3				Total	0 402 %		
							i Jiai.			

Key

Rey	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
0	Determinand defined or amended by HazWasteOnline (see Appendix A)
4	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<lod< td=""><td>Below limit of detection</td></lod<>	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification



Classification of sample: TP5-D2-12072023-0.90



Sample details

Sample name:	LoW Code:	
TP5-D2-12072023-0.90	Chapter:	17: Construction and Demolition Wastes (including excavated soil
Moisture content:		from contaminated sites)
18%	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05
(wet weight correction)		03)
(not noight concern))

Hazard properties

None identified

Determinands

Moisture content: 18% Wet Weight Moisture Correction applied (MC)

#		EU CLP index number	Determinand EC Number	CAS Number	CLP Note	User entere	d data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	4	arsenic { arsenic tr	ioxide }			24	mg/kg	1.32	25.984	mg/kg	0.0026 %	~	
		033-003-00-0	215-481-4	1327-53-3									
2	~		215-125-8	1303-86-2	-	0.5	mg/kg	3.22	1.32	mg/kg	0.000132 %	\checkmark	
	æ	cadmium { cadmiu	m oxide }	1000 00 2									
3	~	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<lod< td=""></lod<>
4	<pre>chromium in chromium(III) compounds { chromium(III) oxide (worst case) }</pre>				61	mg/kg	1.462	73.107	mg/kg	0.00731 %	~		
5	4	chromium in chron compounds, with the of compounds spe 024-017-00-8	nium(VI) compound he exception of bar cified elsewhere in	IS { chromium (VI) ium chromate and this Annex }	-	<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<lod< td=""></lod<>
6	4	copper { dicopper {	oxide; copper (I) ox 215-270-7	<mark>ide</mark> } 1317-39-1	-	16	mg/kg	1.126	14.772	mg/kg	0.00148 %	~	
7	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }		1	16	mg/kg		13.12	mg/kg	0.00131 %	\checkmark			
		082-001-00-6	diablarida)										
8	44	mercury { mercury	bal 200.8	7/97 0/ 7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<lod< td=""></lod<>
		nickel { nickel(IV) c	vide (nickel dioxide	1407-94-7									
9	*	028-004-00-8	234-823-3	12035-36-8		36	mg/kg	1.545	45.614	mg/kg	0.00456 %	\checkmark	
10	æ	selenium { nickel s	elenate }	1				0.554	0.554		0.000055.0/		1.00
10		028-031-00-5	239-125-2	15060-62-5		<1	тід/кд	2.554	<2.554	тід/кд	<0.000255 %		<lod< td=""></lod<>
11	4	zinc { zinc oxide }	215-222-5	1314-13-2		150	mg/kg	1.245	153.1	mg/kg	0.0153 %	\checkmark	
		TPH (C6 to C40) p	etroleum aroup	1014 10 2									
12			3.11	ТРН		12	mg/kg		9.84	mg/kg	0.000984 %	\checkmark	
13		tert-butyl methyl et 2-methoxy-2-methy	her; MTBE; ylpropane	1		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
		603-181-00-X	216-653-1	1634-04-4									
14		benzene	000 750 7	F		<0.005	mg/kg		<0.005	mg/kg	<0.000005 %		<lod< td=""></lod<>
	-	601-020-00-8	200-753-7	/1-43-2	-							\vdash	
15		601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
		55. 0EI 00 0	U		_								



	÷.	8 11 2 8 E 1 1 11 4											
#		Determinand			o Note	User entered	d data	Conv. Factor	Compound	conc.	Classification value	Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number	CLF							MC	
16	0	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<lod< td=""></lod<>
		601-023-00-4	202-849-4	100-41-4									
		xylene											
17		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<lod< td=""></lod<>
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<lod< td=""></lod<>	
		006-007-00-5											
10		pН				5.9	рН		5 9	nH	59 nH		
13				PH		5.5	pri		5.5	pri	0.9 pm		
20		naphthalene				<0.05	ma/ka		<0.05	ma/ka	<0.00005.94		
20		601-052-00-2	202-049-5	91-20-3	1	<0.05	шу/ку		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
21		acenaphthylene		··		<0.05	ma/ka		<0.05	ma/ka	<0.00005.%		
21			205-917-1	208-96-8	1	<0.05	шу/ку		<0.05	mg/kg	<0.000003 /8		LOD
22	۰	acenaphthene				<0.05	ma/ka		<0.05	ma/ka	<0.00005 %		
22			201-469-6	83-32-9		<0.05	iiig/kg		<0.05	iiig/kg	<0.000000 /8		LOD
23	۲	fluorene				<0.05	ma/ka		<0.05	ma/ka	<0.00005 %		
20			201-695-5	86-73-7		<0.05	шу/ку		<0.05	iiig/kg			LOD
24		phenanthrene		~		0.09	ma/ka		0.0738	ma/ka	0.0000738 %		
24			201-581-5	85-01-8		0.09	шу/ку		0.0738	шу/ку	0.00000738 /8	~	
25	8	anthracene	004 074 4	100 10 7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
\vdash		fluoronthono	204-371-1	120-12-7	+								
26	8		205 012 4	206 44 0	_	0.08	mg/kg		0.0656	mg/kg	0.00000656 %	\checkmark	
	-	Durono.	205-912-4	200-44-0	-								
27		ругене	204 027 2	120.00.0	_	0.07	mg/kg		0.0574	mg/kg	0.00000574 %	\checkmark	
		bonzolalanthracan	204-927-3	129-00-0									
28			200 280 6	56 55 3	_	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
		chrysono	200-200-0	00-00-0									
29		601-048-00-0	205-923-4	218-01-9	-	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
-		benzo[b]fluoranthe	ne	-10 01 3								\vdash	
30		601-034-00-4	205-911-9	205-99-2	-	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
		benzo[k]fluoranthe	ne	1	+								
31		601-036-00-5	205-916-6	207-08-9	-	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
		benzolalovrene: be	enzoldeflchrvsene		+								
32		601-032-00-3	200-028-5	50-32-8	-	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
		indeno[123-cd]pyre		00020	+								
33			205-893-2	193-39-5	_	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
		dibenz[a.h]anthrac	ene										
34		601-041-00-2	200-181-8	53-70-3	_	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<lod< td=""></lod<>
		benzolahilpervlene)	1									
35			205-883-8	191-24-2	-	<0.05	mg/kg		<0.05	mg/kg	kg <0.000005 %		<lod< td=""></lod<>
	0	monohydric pheno	ls										
36				P1186	-	<1	mg/kg		<1	mg/kg	<0.0001 %		<lod< td=""></lod<>
	<u>ـــــ</u>			1						Total	0.0348 %		1

Key

User supplied data

Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

< ≺LOD Below limit of detection



Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because HP3 Flammable has been discounted as a viable Hazardous Property as the soils considered within this assessment are a solid waste without a free draining liquid phase. Advice from the laboratory indicates that testing for flammability was not appropriate due to the low level of TPH. The waste does not display this hazardous property.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00098%)



Report created by Gemma Heyworth on 15 Aug 2023

Appendix A: Classifier defined and non GB MCL determinands

• chromium(III) oxide (worst case) (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database

Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Repr. 1B; H360FD , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

Iead compounds with the exception of those specified elsewhere in this Annex (worst case)

GB MCL index number: 082-001-00-6

Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A

Additional Hazard Statement(s): Carc. 1A; H350

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

• TPH (C6 to C40) petroleum group (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

• ethylbenzene (EC Number: 202-849-4, CAS Number: 100-41-4)

GB MCL index number: 601-023-00-4 Description/Comments: Additional Hazard Statement(s): Carc. 2; H351 Reason for additional Hazards Statement(s): 20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

• salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex

GB MCL index number: 006-007-00-5 Description/Comments: Conversion factor based on a worst case compound: sodium cyanide Additional Hazard Statement(s): EUH032 >= 0.2 % Reason for additional Hazards Statement(s): 20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

• pH (CAS Number: PH) Description/Comments: Appendix C4 Data source: WM3 1st Edition 2015 Data source date: 25 May 2015 Hazard Statements: None.

acenaphthylene (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database Data source date: 17 Jul 2015 Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

acenaphthene (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database Data source date: 17 Jul 2015 Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

• fluorene (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database

Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database Data source date: 06 Aug 2015 Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410





• phenanthrene (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database

Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database Data source date: 06 Aug 2015 Hazard Statements: Acute Tox, 4: H302, Eve Irrit, 2: H319, STOT SE 3: H335, Carc, 2: H351, Skin Sens, 1:

Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

^a anthracene (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database Data source date: 17 Jul 2015 Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• fluoranthene (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database Data source date: 21 Aug 2015 Hazard Statements: Acute Tox. 4: H302 , Aquatic Acute 1: H400 , Aquatic Chronic 1: H410

• pyrene (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014 Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database Data source date: 21 Aug 2015 Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• indeno[123-cd]pyrene (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database Data source date: 06 Aug 2015 Hazard Statements: Carc. 2; H351

• benzo[ghi]perylene (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015 Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database Data source date: 23 Jul 2015 Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

monohydric phenols (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)

Data source: CLP combined data

Data source date: 26 Mar 2019

Hazard Statements: Muta. 2; H341, Acute Tox. 3; H331, Acute Tox. 3; H311, Acute Tox. 3; H301, STOT RE 2; H373, Skin Corr. 1B; H314, Skin Corr. 1B; H314 >= 3%, Skin Irrit. 2; H315 1 £ conc. < 3%, Eye Irrit. 2; H319 1 £ conc. < 3%, Aquatic Chronic 2; H411

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Reasonable case CLP species based on hazard statements/molecular weight and most common (stable) oxide of arsenic.

boron {diboron trioxide; boric oxide}

Reasonable case CLP species based on hazard statements/ molecular weight, physical form and low solubility.

cadmium {cadmium oxide}

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history

chromium in chromium(III) compounds {chromium(III) oxide (worst case)}

Reasonable case species based on hazard statements/molecular weight.

chromium in chromium(VI) compounds {chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex}

Worst case species based on hazard statements/molecular weight

copper {dicopper oxide; copper (I) oxide}

Reasonable case CLP species based on hazard statements/molecular weight and insolubility in water. Worse case copper sulphate is very soluble and likely to have been leached away if ever present and/or not enough soluble sulphate detected.



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Report created by Gemma Heyworth on 15 Aug 2023

lead {lead compounds with the exception of those specified elsewhere in this Annex (worst case)}

Metallic compounds are not considered to be present in their chromate form as the laboratory analysis has demonstrated that insufficient concentrations of hexavalent chromium are present to enable the formation of chromates within the soils

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight

nickel {nickel(IV) oxide (nickel dioxide)}

Metallic compounds are not considered to be present in their chromate form as the laboratory analysis has demonstrated that insufficient concentrations of hexavalent chromium are present to enable the formation of chromates within the soils

selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight

zinc {zinc oxide}

Metallic compounds are not considered to be present in their chromate form as the laboratory analysis has demonstrated that insufficient concentrations of hexavalent chromium are present to enable the formation of chromates within the soils

cyanides {salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex}

Harmonised group entry used as most reasonable case as complex cyanides and those specified elsewhere in the annex are not likely to be present in this soil: [Note conversion factor based on a worst case compound: sodium cyanide]

potassium {potassium cyanate}

Metallic compounds are not considered to be present in their chromate form as the laboratory analysis has demonstrated that insufficient concentrations of hexavalent chromium are present to enable the formation of chromates within the soils. Historical agricultural use at the site.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021 HazWasteOnline Classification Engine Version: 2023.226.5717.10536 (14 Aug 2023) HazWasteOnline Database: 2023.226.5717.10536 (14 Aug 2023)

This classification utilises the following guidance and legislation: WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021 CLP Regulation - Regulation 1272/2008/EC of 16 December 2008 1st ATP - Regulation 790/2009/EC of 10 August 2009 2nd ATP - Regulation 286/2011/EC of 10 March 2011 3rd ATP - Regulation 618/2012/EU of 10 July 2012 4th ATP - Regulation 487/2013/EU of 8 May 2013 Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013 5th ATP - Regulation 944/2013/EU of 2 October 2013 6th ATP - Regulation 605/2014/EU of 5 June 2014 WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014 Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014 7th ATP - Regulation 2015/1221/EU of 24 July 2015 8th ATP - Regulation (EU) 2016/918 of 19 May 2016 9th ATP - Regulation (EU) 2016/1179 of 19 July 2016 10th ATP - Regulation (EU) 2017/776 of 4 May 2017 HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017 13th ATP - Regulation (EU) 2018/1480 of 4 October 2018 14th ATP - Regulation (EU) 2020/217 of 4 October 2019 15th ATP - Regulation (EU) 2020/1182 of 19 May 2020 The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020 The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020 GB MCL List - version 1.1 of 09 June 2021



2nd Floor North, Fitted Rigging House, The Historic Dockyard, Chatham, Kent, ME4 4TZ e: info@lustreconsulting.com | t: 01634 757 705 www.lustreconsulting.com