PARLIAMENT HILL, CAMDEN PHASE 2 SITE INVESTIGATION



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AUTHOR	MATTHEW LARKIN BSc (Hons) MSc MCIWEM C.WEM CSci SENIOR CONSULTANT	#0				
REVIEWER	JAMES MAY BSc (Hons) DIRECTOR	Junes Ha				
LUSTRE CONSULTING	Admirals Officest 01634 757 705The Historic Dockyarde info@lustreconsulting.comChatham Kent, ME4 4TZw lustreconsulting.com	Constructionline Build Graps (c)				
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REGISTRATION OF AMENDMENTS

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1.0 INTRODUCTION

- 1.1 Lustre Consulting Limited (Lustre) has been commissioned by Farrans Construction to undertake a Phase 2 Site Investigation with factual and interpretative environmental reporting for the proposed redevelopment of a site located off Highgate Road, in Camden, London (William Ellis School and Parliament Hill School). The assessment has been undertaken in accordance with our fee proposal and scope of works dated 02 June 2016, which was formally approved by Farrans Construction on 21 June 2016.
- 1.2 The site, irregular in plan, is centered at National Grid Reference 528369, 186019, and occupies an approximate area of 3.6ha as shown in Figure 1. The site currently comprises the William Ellis School and Parliament Hill School and is located within a predominantly residential area of north London, bordering Parliament Hill to the north and west. Farrans Construction requires this Phase 2 Site Investigation report to support a new planning application, involving the construction of several new school buildings and redevelopment of both school sites. Figure 2 illustrates the proposed development scheme.



Figure 1: Site Location Plan







Figure 2: Proposed Site Layout

1.3 As illustrated in the above drawing, the development proposal includes the demolition of several buildings (predominately within the Parliament Hill school area), followed by the construction of several new buildings, extensions and establishment of numerous multi-use game areas (MUGAs) and soft landscaping. It is also understood that the proposed development may also incorporate single storey basements over portions of the site.

Objective

1.4 The objectives of the site investigation were to provide information on the contaminative status of the site, noting any associated risks and liabilities with regard to the proposed future use, along with obtaining information on the shallow and deeper ground conditions present at the site. A preliminary Phase 2 Site Investigation was commissioned which had a limited scope which aimed to identify any site wide significant contamination issues and also target any specific point sources of potential contamination. Whilst dependent on the nature of the site





and other factors, this method does not normally constitute a full or detailed ground investigation, as it is often limited by the number of exploratory positons (i.e. site coverage), scope of laboratory testing etc. Further detail on the scope of works is given below.

Scope of Works

- 1.5 The scope of works was developed by the Client as set out in the Parliament Hill and William Ellis Schools, Highgate Road, London, Investigation Site Survey Tender Document prepared by Doran Consulting ¹. In addition, a Phase 1 Desk Study² has been undertaken by Lustre Consulting Limited which also supports the scope of works presented herein.
- 1.6 The scope of work adopted to meet the above objectives employed a non-targeted approach, as summarised below:
 - Ascertain the geological and hydrogeological conditions present at the site by drilling windowless sample boreholes and excavating trial pits;
 - Identify the chemical quality of soils / groundwater underlying the site with reference to current and historical land uses and determine the presence of any unacceptable risks through sample recovery, chemical analysis and assessment;
 - Assess the ground gas regime at the site with reference to potential sources of ground/landfill gas and determine the presence of any unacceptable risks by undertaking four rounds of gas monitoring;
 - Validate the preliminary conceptual site model and re-assess the risk ratings using the source – pathway – receptor methodology; and
 - Provide recommendations to effectively manage and mitigate any unacceptable risks or liabilities.
- 1.7 The Phase 2 Site Investigation has been prepared in keeping with best practice and current planning guidance. *The National Planning Policy Framework (NPPF)*³ advises regulatory consultees to ensure that adequate site investigation information is provided at the initial planning stage, whilst the Environment Agency's *Model Procedures for the Management of*



¹ Doran Consulting, Site Investigation Tender Document, Ref:152046, December 2015

² Lustre Consulting Limited, Phase 1 Desk Study June 2016

³ Department for Communities and Local Government, National Planning Policy Framework, March 2012.



Land Contamination (CLR11⁴) requires a phased, risk based approach when dealing with land affected by contamination in the UK.

1.8 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 the Phase 1 Desk Study. The methodology adopted in this Phase 2 site investigation is based on the source-pathway-receptor model as set out in *CLR11*². More information on Lustre's approach to such assessments can be found at the following link: www.lustreconsulting.com/Services/ContaminatedLandAssessment.aspx and in Appendix A.

Statutory Guidance

- 1.9 References to the term "contaminated land" in this report 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".
- 1.10 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).

Report Structure

1.11 Chapter 2 presents the site investigation methodology. The ground conditions encountered during the site works, including a factual account of the soil parameters, are set out in Chapter
3. Chapter 4 provides outline comments on geotechnical hazards whilst Chapter 5 presents a



⁴ DEFRA/Environment Agency, Model Procedures for the Management of Land Contamination, CLR11, September 2004.



geoenvironmental assessment of the analytical data gathered and Chapter 6 includes a conceptual model based on the findings of the intrusive site investigation works. Chapter 7 presents a summary of conclusions drawn from the investigation and any consequent recommendations are detailed in Chapter 8. An updated qualitative risk assessment is included after the report text.





2.0 SITE INVESTIGATION METHODOLOGY

Introduction

2.1 The site investigation was undertaken on 29th – 31th March 2016 and 8th April 2016 under the direct co-ordination of a suitably trained and qualified consultant employed by Lustre. The site investigation was carried out with due regard to existing standards and good practice guidelines including *BS10175: 2011+ A1:2013⁵*, *BS5930: 2015⁶* and guidance produced by the *AGS⁷*.

Preparatory Works

- 2.2 Prior to commencing the site works, the Client provided service location plans which were used to safely position the exploratory locations. The survey involved scanning the area with a cable avoidance tool (CAT) and ground penetrating radar (GPR) to detect any below ground features and/or services. Where possible, manhole covers were lifted and drainage runs approximately identified.
- 2.3 Unexploded Ordnance supervision was also provided throughout the intrusive investigation works by two experienced engineers from Dynasafe Ltd. In addition, an Intrusive Magnetometer Survey of all locations was undertaken. No UXO were identified during the works.
- 2.4 Exploratory holes were located in accordance with the Client supplied borehole and trial pit location plan. Drawing 1522-001 shows the positions of all exploratory locations.

Windowless Sampling

2.5 A total of ten windowless sample boreholes (WS1 to WS10) were drilled to a maximum depth of 8.0 meters below ground level (m bgl) through the Made Ground and into the underlying natural soils, using a Competitor Dart Terrier Rig. Standard Penetration Tests (SPTs) were



⁵ British Standard – Code of Practice for Investigation of potentially contaminated sites. BS 10175: 2011 + A1:2013.

⁶ British Standard – Code of Practice for Site Investigation. BS 5930: 2015.

⁷ Association of Geotechnical & Geoenvironmental Špecialists, AGS Guide to Environmental Sampling, 2010.



carried out at each location with the corresponding 'N' values included on the logs, presented in Appendix A.

- 2.6 Upon completion boreholes WS3, WS4, WS6, WS9 and WS10 were installed with monitoring wells to enable subsequent gas and groundwater monitoring. The wells comprised plain 50mm pipe up to 6m bgl, with a slotted 50mm diameter pipe to the base of the boreholes. The annulus surrounding the slotted pipe was filled with washed gravel, which was then plugged with a 0.5m bentonite seal surrounding the plain pipe. The monitoring wells were completed with a gas tap and a flush lockable cover and finished to match existing ground cover.
- 2.7 The remaining boreholes were backfilled and reinstated to match existing ground cover.

Trial Pits

- 2.8 A total of eleven trial pits (TP1 TP7, TP10 TP13) were excavated using a tracked miniexcavator to depths of up to 2.2m bgl with support from a hand pitting crew. Trial pits extended through the Made Ground and where possible proved natural strata. Trial pits were positioned by the Client at locations to expose the footings of the existing buildings.
- 2.9 Upon completion the trial pit excavations were backfilled with arisings and soils compacted with the excavator bucket, where locations were excavated though hardstanding, these were then finished with >100mm of poured concrete.
- 2.10 A copy of the inspection pit sketches and photographic record are enclosed in Appendix B and C respectively. The sketches comprise cross sections of the pits showing the recorded depth of the existing footings, arrangement and general ground conditions.

Pocket Penetrometer

2.11 A pocket penetrometer was used at various depths within the exploratory holes to record the estimated strength of the cohesive soils. The results of the penetrometer testing (converted to kN/m² from lbf/ft²) is shown on the exploratory hole logs enclosed in Appendix A.





Field Observations & Soil Sampling

- 2.12 All soil arisings recovered from the Made Ground and underlying natural soils were logged to *BS5930: 2015⁸*. Where possible, observations on groundwater ingress and excavation stability were made.
- 2.13 Soil arisings were inspected for visual and olfactory evidence of contamination with samples recovered at varying depths for chemical and geotechnical analysis. Samples were deposited in suitable containers, prepared and dispatched to a UKAS (United Kingdom Accreditation Service) accredited laboratory in accordance with good practice guidelines.

In-Situ Field Tests

- 2.14 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 photo-ionisation 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. The results are presented on the logs which are provided in Appendix A
- 2.15 A single location (TP08) located in the car park was subjected to a California Bearing Ratio test. The measuring apparatus for the test was a truck-mounted CBR. The Made Ground was excavated by hand enabling the test to be conducted on the natural ground, in this case at a depth of 0.45m bgl. A copy of the log is provided in Appendix A. The results are presented in Appendix E. Where vehicle access could not be gained at location TP09, a Direct Push Ratio test (DPR) was substituted in place of the CBR. The results are presented in Appendix E.

Return Monitoring

2.16 Four return monitoring visits were undertaken over a period of three weeks. Gas monitoring was undertaken using a calibrated GA5000 gas analyser. The four monitoring rounds were conducted on the 6th, 13th, 20th and 27th April 2016. On one occasion (20th April), access could



⁸ British Standard – Code of Practice for Site Investigation. BS 5939: 2015.



not be gained to BH1 located in the playground as school activities were occurring during school time and into the evening.

- 2.17 On the 13th April, bulk gas samples were also collected for confirmatory bulk gas analysis. The samples were collected in Tedlar bags and sent to ESG, an UKAS accredited laboratory for analysis.
- 2.18 Upon completion of each ground gas monitoring round, groundwater levels were recorded using an oil/water interface probe. Field monitoring records, which provide the results and conditions present at site during the monitoring visits, are presented in Appendix D.

Chemical Analysis

2.19 A total of 21 soil samples were scheduled for chemical testing. Samples were analysed for a standard suite of determinands, which considers the potential contaminants associated with the current/historical site uses, as follows:

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

- Metals: arsenic, cadmium, chromium (inc. hexavalent), mercury, lead, nickel, selenium, water soluble boron, copper and zinc;
- pH, water soluble sulphate and buried concrete SD1 suite;
- Total phenols;
- Speciated Polycyclic Aromatic Hydrocarbons (PAHs, total and speciated EPA 16);
- Speciated Total Petroleum Hydrocarbons (TPH CWG);
- BTEX (including MTBE);
- Asbestos screen; and
- Total Organic Carbon (TOC).
- 2.20 The results of the chemical analysis are reported in Chapter 5 and included in Appendix D.





3.0 **GROUND CONDITIONS**

Introduction

3.1 This chapter collates all the factual information from the site investigation, including field observations, in-situ testing and geotechnical laboratory analysis, to present a summary of the ground conditions encountered during the intrusive works.

Ground Cover

- 3.2 Ground cover across the site was variable comprising a mixture of open ground (Made Ground and Topsoil), tarmacadam and block paving. Tarmacadam, ranging between 0.05m and 0.18m in thickness was recorded at ground level in eleven exploratory positions (TP1, TP2, TP5 – TP8, BH1 – BH3, BH8 and BH9). Block paving was recorded in three locations (TP3, TP4 and TP10), which was underlain by 0.2m and 0.35m of concrete in TP3 and TP4 respectively; Made Ground was present below the paving at TP10.
- 3.3 Topsoil was recorded in TP13 and BH6 at thicknesses of 0.33m and 0.55m respectively. The topsoil encountered was typically described as dark brown slightly clayey slightly gravelly silt. The gravel component was angular to subangular fine to medium flint and the soils contained occasional roots and decaying plant matter.

Made Ground

- 3.4 Made Ground was encountered in 21 of the 22 exploratory holes (absent in BH6). The Made Ground was generally encountered as two distinct layers: an upper granular soil and a lower cohesive soil. In the majority of the exploratory positions both layers were encountered. However, in some instances, only granular Made Ground was observed (TP8 and BH4 – BH6), and occasionally only cohesive Made Ground (TP3 – TP5, BH3, BH6, BH7 and BH10). The total base depth of the Made Ground varied between 0.15m bgl to over 2.2m bgl (average 1.2m bgl).
- 3.5 The upper granular layer of Made Ground was typically described as a dark brownish black slightly silty variably clayey sandy subangular to subrounded fine to coarse GRAVEL. In some locations the granular layer was predominately a gravelly sand (slightly silty gravelly fine to coarse SAND). The gravel component was generally made up of brick, tarmacadam planings, clinker, flint and rare chalk with occasional brick and concrete cobbles. Minor man-made constituents included metal, plastic, tile, ceramic and coal. Pockets of ash were noted to be





common throughout the granular Made Ground. The base depth of this upper granular material ranged between 0.19m bgl and 1.2m bgl, being typically thicker where the lower cohesive Made Ground was absent.





Granular Made Ground (shallow, TP12)

Granular Made Ground (shallow, TP2)

- 3.6 The lower cohesive Made Ground was typically described as a dark greyish brown slightly gravelly CLAY. The gravel component was similar to the upper layer however the amount of gravel was considerably less. In addition to ashy pockets, decayed organic matter and rootlets were also frequently observed in this material.
- 3.7 Apart from the widespread presence of blackish ashy material and clinker within the Made Ground, no other visual or olfactory evidence of contamination was noted within the Made Ground. The exception to this is within TP13 where a hydrocarbon odour was recorded within the Made Ground. In-situ headspace readings within the Made Ground did not indicate the presence of volatile compounds with a maximum concentration of 1ppm recorded in two locations (TP13 and BH5).



Cohesive Lower Made Ground (BH3)



Cohesive Lower Made Ground (TP9)





London Clay Formation

- 3.8 Soils of the London Clay Formation were encountered in all exploratory positions where the base of the Made Ground was determined. Initially, soils were recovered as a soft to firm brown fissured CLAY. This description is typical of the upper weathered layer of the bedrock. Below this, from around 2.0m bgl, closely fissured grey mottled orangish brown CLAY was encountered. Within this material occasional pockets of orange mottled clay were noted along with rare fine rootlets, fine gravel-sized selenite crystals and pyrite.
- 3.9 No visual or olfactory evidence of contamination was noted within the London Clay Formation.



Weathered London Clay



Weathered London Clay

Groundwater

- 3.10 Groundwater seepages were recorded at four locations (TP2, TP7, TP10 and BH3) within the base of the Made Ground / top of the London Clay at depths of between 0.8m and 1.2m bgl in the trial pits and 4.3m bgl in the borehole. The groundwater observed is considered to be perched groundwater.
- 3.11 During the return monitoring, groundwater was recorded at depths between 0.96m and 1.71m bgl in boreholes BH1 and BH3 perched within the Made Ground and at depths of between 4.95m and 5.43m bgl within the London Clay Formation in BH10. Considering the above, the perched groundwater is likely discontinuous and as such a groundwater flow direction cannot be determined.





4.0 OUTLINE GEOTECHNICAL CONSIDERATIONS

Introduction

4.1 The purpose of this report is to provide information on environmental matters only – geotechnical matters from this investigation are being reported separately by others. As such, this Chapter provides general comments on identified ground hazards, including a buried concrete assessment only, and is not intended to be a comprehensive assessment of geotechnical aspects.

Geotechnical Hazards

Variable Ground (Composition and Thickness)

4.2 Made Ground was encountered in 21 of the 22 exploratory holes (absent in BH6). The Made Ground was generally encountered as two distinct layers: an upper granular soil and a lower cohesive soil. The total base depth of the Made Ground varied between 0.15m bgl to over 2.2m bgl (average 1.2m bgl).

Natural Cavities / Ground Dissolution / Underground Structures

4.3 No natural cavities, ground dissolution features or local underground structures were observed in the site investigation.

Existing Services

4.4 Consideration should be given to the potential for existing and / or redundant underground services to be present on site. Available service plans should be consulted prior to any excavation works in order to locate any old, remaining services.

Groundwater

4.5 Groundwater was not recorded during the site works and is not anticipated to significantly impact foundation design or construction. However, the potential for shallow perched groundwater to be present within the Made Ground and shallow natural soils should not be discounted and, if present, may need to be controlled by, say sump pumping, to allow excavation in the dry.





Stability of Excavations

4.6 Side support is unlikely to be required for service trench excavations within the relatively shallow Made Ground or in the underlying clay soils. However, as a matter of course, side support will be necessary where the depth of vertically sided excavations exceeds 1.2m in which construction personnel are required to enter as a statutory requirement to comply with Health and Safety Regulations.

Aggressive Chemical Environment for Buried Concrete

- 4.7 The analytical data for soil pH and water soluble sulphate is summarised in the Environmental Assessment Appendix, along with the corresponding BRE classification⁹. The 'brownfield' scenario was applied to the results from the Made Ground and the 'natural' scenario to results from the London Clay FormationError! Reference source not found.. A static groundwater scenario has been selected for the buried concrete assessment given the recorded groundwater conditions on site (i.e. absence of a continuous body of groundwater within both soil types).
- 4.8 From the Made Ground, 12 samples were tested along with nine samples from the natural soils. The characteristic values for the Made Ground for pH and water soluble sulphate were determined as 7.7 and 1.68g/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 7.7 and 2.92g/l respectively, giving a DS classification of DS3 and an associated ACEC classification of AC-2s.
- 4.9 The potential for oxidisable sulphides was calculated in order to assess the potential for pyritic soils to oxidise when the ground is disturbed that may consequently react with concrete. The percentage of oxidisable sulphides in the samples was more than 0.3% in all or some samples (maximum value of 0.43%) and therefore pyritic ground is considered a factor and suitable additional protective measures will be required in line with the above (DS3, AC-2s).
- 4.10 No consideration has been given in this assessment as to the proposed foundation types etc as this is beyond the scope of the environmental assessment.



⁹BRE Guidance Special Digest 1. Concrete in Aggressive Ground. 3rd Edition, 2005.



5.0 GEOENVIRONMENTAL ASSESSMENT

- 5.1 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 E and summarised in this Chapter. The assessments undertaken include:
 - Generic quantitative risk assessment (GQRA, human health);
 - Water pipeline suitability test;
 - Phytotoxicity assessment;
 - Waste classification assessment (WM3); and
 - Ground gas assessment.

Generic quantitative risk assessment (GQRA, human health)

- 5.2 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.
- 5.3 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 Defra ¹⁰ 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



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



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.

- 5.4 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 will be used in the first instance. Where an exceedance above these levels is identified, comparison against C4SLs will be undertaken, with consideration given to the applicability of a less conservative threshold.
- 5.5 Further information on Lustre's approach to human health risk assessment is provided in Appendix A.
- 5.6 There are no formal UK published risk assessment criteria for school sites. As such, SGVs and GACs for a Public Open Space (POS) scenario have been adopted which are suitable for areas of landscaping close to residential developments. This land use scenario is considered appropriate for this development option given that it considers children aged between 3 and 9 years and allows for the land to be regularly used by children for playing and informal sports. Exposure modelling for this land use scenario includes an assessment of the ingestion of soil and dust (outdoors and indoors, respectively), dermal contact with soil (outdoors; and soil-derived dust indoors), inhalation of dust (outdoors and indoors) and the inhalation of vapours outdoors. A soil organic matter content parameter of 2.5% for the Made Ground and 1% for natural soils, has been selected based on site-specific organic matter content data.
- 5.7 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).



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

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, March 2012



Made Ground

- 5.8 A total of 12 samples recovered from the Made Ground underwent chemical analysis for a range of general determinands, including asbestos, inorganics, metals, PAH, and TPH.
- 5.9 Testing for asbestos was undertaken on all samples analysed from the Made Ground, and was found to be absent in all samples.
- 5.10 Of the determinands tested, a range of inorganics and metals (cyanide (total), cadmium, selenium), nine TPH fractions (out of 14), BTEX (benzene, toluene, ethylbenzene, m & p-xylene, o-xylene) and phenol were not recorded above the limit of detection (LOD).
- 5.11 Several determinands including a range of inorganics and metals (arsenic, chromium, copper, mercury, nickel, zinc), several PAH compounds, five TPH fractions (aliphatic >C16 C21, aliphatic >C21 C34, aromatic >C12 C16, aromatic >C16 C21 and aromatic >C21 C35), were recorded above the limit of detection but below their respective thresholds, as shown in the Environmental Assessment Appendix.
- 5.12 Concentrations of lead and three PAH compounds (benzo(b)fluoranthene, benzo(a)pyrene and di-benzo(a,h)anthracene) were recorded above their respective risk thresholds, as detailed below:
 - Lead was recorded at a maximum concentration of 1020mg/kg above an assessment criteria of 630mg/kg in a single sample in TP02 at 0.20 - 0.30m bgl. This sample was taken from the upper granular Made Ground which was recorded as black and slightly gravelly ashy fine to coarse SAND with clinker.
 - Di-benzo(a,h)anthracene was recorded at a maximum concentration of 2.11mg/kg above an assessment criteria of 0.57mg/kg in three samples: 0.72mg/kg in BH01 at 0.30m bgl, 2.11mg/kg in BH02 at 0.10m bgl and 1.07mg/kg in BH08 at 0.50 0.60m bgl.
 - Benzo(b)fluoranthene was recorded at a maximum concentration of 29.3mg/kg above an assessment criteria of 7.2mg/kg in four samples: 8.94mg/kg in BH01 at 0.30m bgl, 29.3mg/kg in BH02 at 0.10m bgl, 24mg/kg in BH08 at 0.50 - 0.60m bgl and 8.38mg/kg in TP02 at 0.20 - 0.30m bgl.
 - Benzo(a)pyrene was recorded at a maximum concentration of 20.7mg/kg above an assessment criteria of 5.7mg/kg in four samples: 6.73mg/kg in BH01 at 0.30m bgl,





20.7mg/kg in BH02 at 0.10m bgl, 14.4mg/kg in BH08 at 0.50 - 0.60m bgl and 6.41mg/kg in TP02 at 0.20 - 0.30m bgl.

5.13 For the above PAH compounds, concentrations exceeded the risk criteria in samples from the upper granular Made Ground only. Samples from the lower cohesive Made Ground did not detect concentrations of contaminants above the risk thresholds.

Natural Soils

- 5.14 A total of four samples recovered from the natural soils underwent chemical analysis for a range of general determinands, including inorganics, metals, PAH, and TPH.
- 5.15 Of the determinands tested, a range of inorganics and metals (cyanide (total), cadmium, mercury, selenium), all 16 PAH compounds, all TPH fractions, BTEX (benzene, toluene, ethylbenzene, m & p-xylene, o-xylene) and phenol were not recorded above the limit of detection (LOD).
- 5.16 Several determinands including a range of inorganics and metals (arsenic, chromium, copper, lead, nickel and zinc) were recorded above the limit of detection but below their respective thresholds, as shown in the Environmental Assessment Appendix.
- 5.17 In summary, none of the determinands analysed for in samples from the London Clay Formation exceeded the risk criteria.

Water Pipeline Suitability Test

- 5.18 The development is likely to require the installation of new potable water pipes. UK Water Industry Research (UKWIR) guidance¹⁴ sets chemical concentration thresholds that are used to specify a pipe design that is considered safe. Ideally, samples should be taken along the route of the proposed pipeline, but this is not always known or practicable at the time of the investigation. UKWIR also recommends that determinands tested are based on the historical use of the site.
- 5.19 Available analytical data taken from soils has been compared against the UKWIR thresholds. The assessment of volatile organic compounds (VOCs), semi-volatile organic compounds



¹⁴ 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



(SVOCs), ethers, nitrobenzene, ketones, aldehydes and amines were not considered applicable based on the historical use of the site (school). The assessment of mineral oil, in this case, comprises speciated TPH which provides a breakdown of the hydrocarbon fractions.

5.20 The available testing results indicate that soil concentrations pose a risk to potable water pipes. Soil data failed the tests relating to PE pipes for Group 3 (Light to mid-range hydrocarbons), Group 4 (Mid to heavy range hydrocarbons). In accordance with UKWIR Guidance, PE pipes are not considered suitable for the site and that PVC pipe will be required to prevent contamination of polymeric services.

Phytotoxicity Assessment

- 5.21 The recorded concentrations of copper, nickel and zinc have been compared against the BS3882: 2007¹⁵ thresholds for phytotoxic contaminants in soils to determine if a potential risk to healthy plant growth exists.
- 5.22 As shown in the Environmental Assessment Appendix, from the Made Ground, zinc was recorded above the phytotoxicity threshold of 300mg/kg in one sample at a maximum concentration of 317mg/kg: TP02 [0.20 0.30m bgl upper granular Made Ground]. Within this area, zinc is considered to be present at concentrations which may adversely impact plant growth.
- 5.23 Concentrations of copper and nickel were recorded below their phytotoxicity threshold values for samples from the Made Ground. Concentrations of copper, nickel and zinc were recorded below their phytotoxicity threshold values for samples from the natural soils.

Waste Classification Assessment

5.24 The development is likely to require soils to be removed as part of the initial groundworks including but not limited to the installation of services, new foundations or soil remedial action. Bulk excavation of soils may also be required during enabling works where final formation levels may change, with excess arisings generated. It is therefore necessary to consider whether soils arising from the site would be re-used on-site, or disposed of off-site.



¹⁵ British Standard BS 3882:2007 (Specification for topsoil and requirements for use)



- 5.25 Guidance set out in the Waste Framework Directive and the Environment Agency's *Technical Guidance WM3 Hazardous Waste*¹⁶, provides information and controls on how sites should manage and control waste soils. For soils to be re-used on site, these must be uncontaminated naturally occurring soils; natural soils are not considered a waste if re-used on the source site for the purposes of development under the Waste Framework Directive. Man-made or contaminated soils must be disposed of off-site. To enable off-site disposal, the waste soils must be assessed against a series of criteria to understand its hazardous properties and determine the most appropriate disposal route. It is also noted that the guidance requires any mixed wastes to be assessed separately and undergo a form of pre-treatment and/or segregation prior to disposal. Mixed wastes could include soils contaminated with ACM in this case both the ACM fragments and soils would require separate assessment. Mixing of hazardous wastes and soils with different hazardous substances (hydrocarbons, asbestos etc) is prohibited under the Waste Framework Directive.
- 5.26 The first stage of the waste assessment, as set out in Technical Guidance WM3 Hazardous Waste, requires soils to be tested to determine if the material 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.
- 5.27 The analytical suite adopted for the chemical testing and waste classification was based on the historic and current use of the site and any potential contaminants that may be present.
- 5.28 The results of the laboratory analysis were screened in a propriety hazardous waste assessment tool (CatWasteSoil) to determine if the soils would be considered hazardous from a waste disposal perspective. Concentrations of each contaminant were 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).
- 5.29 None of the determinands analysed for were present at concentrations above the hazardous thresholds and, as such, soils from both the Made Ground and natural soils are considered to be **not hazardous** for waste disposal.



¹⁶ Technical guidance WM3: Guidance on the Classification and Assessment of Waste (1st Edition 2015). Environment Agency.



5.30 Where waste is to be taken off-site for disposal, waste producers will be liable for landfill tax, chargeable at either a lower rate or a standard rate. The standard landfill rate tax is around £84.40 per tonne. The lower rate landfill tax which applies to less polluting wastes such as naturally occurring soils and rock, concrete etc is around £2.60 per tonne.

Ground Gas Assessment

- 5.31 Four rounds of ground gas monitoring were carried out as part of this investigation to gain an understanding of the ground gas regime at the site. A summary of the gas monitoring results is provided in the Environmental Assessment Appendix. The monitoring was undertaken over a range of atmospheric pressures between 1001mb and 1027mb and during periods of falling atmospheric pressure during the first three rounds.
- 5.32 Methane was detected at a maximum concentration of 0.3% v/v (BH01) and above the limit of detection in two wells. Maximum concentrations of carbon dioxide ranged between 1.5% and 4.4% v/v across the wells. Depleted concentrations of oxygen were not generally observed; in only one round in BH03 were concentrations of oxygen recorded below 10% v/v at 6.2% v/v. Maximum in-situ headspace (PID) readings ranged from 0.4ppm and 1ppm, with the maximum reading observed in BH03. Positive flow was recorded in two boreholes (BH10) at a peak flow of 4.8l/hr.
- 5.33 During one monitoring round, as discussed in Chapter 2, bulk gas samples were taken from each monitoring well and analysed for a range of gases including carbon dioxide, oxygen, carbon monoxide, hydrogen, hydrogen sulphide, methane, ethane, propane, iso-butane and n-butane. Concentrations of hydrogen, hydrogen sulphide, ethane, propane, iso-butane and n-butane were all below the limit of detection. Recorded concentrations of carbon dioxide, methane and oxygen were within the range observed during the field monitoring (maximum methane at 0.023% v/v and maximum carbon dioxide at 3.31% v/v.
- 5.34 Taking into account the gas monitoring results, in line with CIRIA Report C665, the risk from ground gas has been classified using the Modified Wilson and Card method. Gas Screening Values (GSVs) for carbon dioxide and methane were calculated using the maximum recorded values (as discussed above), and the peak flow reading. The GSV for carbon dioxide was calculated as 0.192l/hr and the GSV for methane was calculated as 0.0048l/hr. Based on the Modified Wilson and Card method and the calculated GSVs, the site has been classified as Characteristic Situation 1.
- 5.35 As such, a negligible ground gas regime has been identified and no special gas precaution measures are considered necessary.





6.0 PHASE 2 CONCEPTUAL MODEL & RISK ASSESSMENT

Introduction

6.1 The findings of the site investigation and subsequent semi-quantitative risk assessments have been used to inform the conceptual model and qualitative risk assessment. A summary of the conceptual model is provided below and the qualitative risk assessment is included at the end of this report.

Conceptual Model

- 6.2 The objective of the 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^{17,18} to assess any viable source-pathway-receptor pollution linkages. The potential for a pollution event to occur is then evaluated using a risk classification tool¹⁹. 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).
- 6.3 A preliminary conceptual site model was included within the previous Desk Study report¹, which identified several potential sources of contamination attributable to the historic/ current site use. 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).
- 6.4 A summary of the updated identified sources and receptors have been summarised in the following text.



¹⁷ Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66, NHBC, 2008.

¹⁸ Construction Industry Research and Information Association (CIRIA). Contaminated Land Risk Assessment. A Guide to Good Practice. CIRIA C552 2001.

¹⁹ 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.



Potential Sources of Contamination

- 6.5 The following potential sources of contamination have been identified based on the findings of the investigation, in-situ testing and laboratory results (e.g. elevated concentrations of contaminants in soils above assessment criteria):
 - Elevated PAHs (including benzo(a)pyrene) above the assessment criteria for a public open space land use scenario. A source of PAH contamination has been identified attributable to the ashy granular soils of the upper Made Ground. Concentrations above the criteria were identified in four of the 12 samples from exploratory positions located predominately in the northern part of the site (BH1, BH2, BH8 and TP2). However, based on the proposed development layout TP2 is located below proposed hardstanding (understood to be Bitmac), BH1 is located within the footprint of a proposed new structure at the William Ellis School, whilst BH8 is to be located below a building extension at the eastern end of the Ribbon Building. Only BH2 is located within an area of proposed soft landscaping. In areas of proposed hardstanding the pollutant linkages between end users and shallow soil contamination is broken (dermal contact, inhalation of dusts, ingestion of soils etc). As such, where hardstanding is present overlying an identified area of contamination the presence of contaminants above the assessment criteria are not considered to present a risk to end users (BH1, BH8 and TP2). Residual PAH contamination at BH2 however, located within an area of soft landscaping, remains a concern.
 - Low concentrations of hydrocarbons within the Made Ground present a risk to potable water pipes.
 - A single occurrence of zinc above the phytotoxicity criteria has been recorded in TP2. However, as stated above TP2 is located in an area of proposed hardstanding and, as such, the potential for plant update into flora is not considered appropriate. Elevated concentrations of zinc recorded in TP2 are not considered a concern.
- 6.6 Potential sources of contamination identified in the Phase 1 report which can now be discounted based on the information gained form the various assessments presented in this report include asbestos in soils, shallow groundwater contamination and elevated ground gases.

Identified Receptors and Pollutant Pathways

6.7 The receptors and potential pollutant pathways identified in the Phase 1 Desk Study are mostly considered to be viable. The exception to this is groundwater. Localised perched water was





only recorded at four locations (TP2, TP7, TP10 and BH3). This localised water body is not considered to represent controlled water and is discontinuous and of limited value/ sensitivity. Groundwater as a receptor has therefore been discounted from the risk assessment. Given the absence of a continuous body of groundwater, off-site sources have also been discounted. Based on the above, the CSM and qualitative risk assessment is presented at the rear of this report.





7.0 CONCLUSIONS

- 7.1 A Phase 2 Site Investigation has been undertaken to support the proposed redevelopment of the William Ellis School and Parliament Hill School site, in Camden, London. The objective of the works was to provide information on the contaminative status of the site whilst obtaining information on the ground conditions.
- 7.2 It is understood that Farrans Construction requires this report to support a new planning application, relating to the proposed development, which is understood to comprise the construction of several new school buildings and the redevelopment of both school sites.

Ground Contamination

- 7.3 The risk ratings assigned in the risk assessment table (rear of report) and summarised in this Chapter are based on information obtained from the intrusive works, chemical testing and field monitoring. The qualitative nature of the risk assessment is not absolute. Although very low and low risks may have been assigned to various pollutant linkages, the risk cannot be completely eliminated (i.e. "no risk"). Therefore, residual risks will remain which should not be discounted on the basis that the risk is low. A summary of the moderate/low risks and above are given hereafter:
 - Elevated concentrations of lead and PAH were initially identified above the assessment criteria for a POS land use scenario. However, after consideration of the proposed development layout and arrangement of hard and soft landscaped areas, only one localised area of contamination has been deemed to present an unacceptable risk to end users.

A **moderate** */low* risk has therefore been identified from ashy shallow Made Ground in the immediate vicinity of BH2. However, given the widespread occurrence of ashy Made Ground across the entire site (see Chapter 3), it is considered reasonable that other areas of similar PAH-type contamination may be present in other parts of the site not investigated. As such, additional recommendations are also made to address the potential for similar low-moderate levels of PAH and lead contamination within the ashy shallow (granular) Made Ground where *new soft landscaping is proposed*.

Recommendations to address this are given in Chapter 8.





Ground Gas Assessment

7.4 Based on the Modified Wilson and Card method and the calculated GSVs, the site has been classified as Characteristic Situation 1. As such, a negligible ground gas regime has been identified and no special gas precaution measures are considered necessary. A **very low** risk from ground gases has been identified.

Water Pipeline Suitability Assessment

7.5 The available testing results indicate that soil concentrations pose a risk to potable water pipes. Soil data failed the tests relating to PE pipes for Group 3 (Light to mid range hydrocarbons), Group 4 (Mid to heavy range hydrocarbons). In accordance with UKWIR Guidance, PE pipes are not considered suitable for the site and that PVC pipe will be required to prevent contamination of polymeric services. A **moderate/ low** risk to potable water pipes has been determined.

Asbestos Containing Materials (ACM) / Asbestos Containing Soils (ACS)

7.6 Testing for asbestos was undertaken on all samples analysed from the Made Ground, and was found to be absent in all samples. Based on the information collected as part of this investigation, limited to 12 samples taken from the Made Ground across the site, a **low** risk from asbestos contaminated soils has been identified.

Waste Classification Assessment

- 7.7 The results of the laboratory analysis were screened in a propriety hazardous waste assessment tool (CatWasteSoil) to determine if the soils would be considered hazardous from a waste disposal perspective. Concentrations of each contaminant were 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).
- 7.8 None of the determinands analysed for were present at concentrations above the hazardous thresholds and, as such, soils from both the Made Ground and natural soils are considered to be **not hazardous** for waste disposal.





Statutory Designation

7.9 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". It is our opinion that based on the findings of this Phase 2 Site Investigation; it is unlikely the site would be designated as statutory contaminated land by the Local Authority under the provision of the published Statutory Guidance. It is advisable however, that any recommendations made in Chapter 8 are implemented in line with current guidance and good practise, especially where verification of the risk assessment is necessary.





8.0 RECOMMENDATIONS

8.1 Based on the information collected as part of this investigation, the contaminative status of the site is not considered to be prohibitive to the proposed redevelopment of the site. However, localised remedial actions and development controls are considered necessary to address identified risks to future receptors. In addition, the management of unforeseen contamination requires formalising. In summary, the following is considered necessary to ensure the site is suitable for use:

Localised Contaminated Soil Removal

8.2 The shallow granular Made Ground at BH2 (recorded to 0.4m bgl) should be delineated and removed to either its full lateral extent or to the maximum extent of the proposed soft landscaping in this area, whichever is *smaller*. Clean imported soils (subsoil, topsoil) should be placed as backfill material in the resultant excavation. Any imported soils should be chemically validated to determine their suitability for use prior to placement, with a minimum of 150mm clean topsoil.

New Areas of Soft Landscaping

- 8.3 Given the potential for similar PAH impacted soils in the shallow ashy Made Ground across the wider site, surface soils (within 450mm) in any new areas of soft landscaping must be both chemically and physically suitable and fit for purpose. This includes the requirement for no significant quantity of putrescible material (including wood or paper) and no hazardous materials such as asbestos containing materials or general waste (such as glass, plastics, metals etc).
- 8.4 It is therefore recommended that as part of remedial works, confirmatory testing is carried out within areas of proposed soft landscaping. Where Made Ground is identified above the screening criteria then a clean cover system be implemented to involve the removal of the top 450mm surface soils and placement of clean, validated topsoil and subsoil. The thickness of the clean cover system has been determined using the BRE 2004 assessment tool. Any imported soils should be chemically validated to determine their suitability for use prior to placement, with a minimum of 150mm clean topsoil.





Redundant High Voltage Cable

8.5 The Phase 1 Desk Study identified a redundant high voltage cable that had been cut off within the basement workshop of the main building at the Parliament Hill site. The cable was noted to contain oils (a potential source of PCBs and hydrocarbons). It is recommended that the redundant cable is traced and if works are to be carried out along the route of the cable, then if should be removed by a competent contractor to ensure that all oils are contained and removed appropriately. If there are any visual or olfactory evidence of contamination, then an environmental consultant should be employed to delineate the impacted area and oversee its removal.

Unforeseen Ground Contamination

- 8.6 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 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 is still 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.
- 8.7 It would therefore be prudent to carry out a watching brief by an appropriate 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. If any suspected ground contamination such as unusual odours, visually impacted materials, 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. The management of unforeseen contamination should be provided in greater detail as part of a remediation strategy showing clear lines of communication and compliance.





Remediation Strategy and Validation Works

8.8 This Phase 2 Site Investigation sets out a broad approach to dealing with the contamination issues present at the site and managing any unforeseen contamination. Once this Phase 2 report has been approved by the local authority, a detailed Remediation Strategy, in report format, would need to be prepared to confirm the remedial works summarised above. The Remediation Strategy would formulate in detail the proposed remedial works based on final formation levels, depths, site layout etc. During the remedial works, verification would need to be undertaken which would include the soil sampling and inspection/testing of any imported materials/soils used to ensure its suitability for use. Records of any off-site disposal of excavated soils, with the conveyance and waste transfer notes would also be collected. This information would then be documented in a Verification Report in line with the Environment Agency's Evidence, Verification of Remediation of Land Contamination²⁰ to demonstrate that the remedial works have been undertaken to an acceptable level and in accordance with this report.



²⁰ Environment Agency, Evidence, Verification of Remediation of Land Contamination, SC030114/R1, 2010

CONCEPTUAL MODEL & RISK ASSESSMENT

DRAWINGS

APPENDIX A: CONTAMINATED LAND NOTES
CONTAMINATED LAND ASSESSMENT NOTES

LAND USE

This section establishes the former and current land uses which may have caused contamination or given rise to environmental concerns on the site. An inspection of the site has been undertaken to provide further details of the site and neighbouring activities and to observe environmental conditions.

Historical Maps

Information about the history of the site has been obtained primarily through an inspection of historical Ordnance Survey maps. These maps provide an excellent record of the historical uses of a site and can be very important in assessing potential liabilities. Historical maps can show past potentially contaminative uses at a site that would not necessary be obvious during a site inspection, for example storage tanks or previous usage such as a gas works or quarry.

Public Record Information

Information concerning environmental regulations relating to the site has been obtained from a public register which has been accessed from a commercially database operated by the Landmark Information Group. This is the quickest means of gathering publicly available information. The data is supplied from within a 1km radius of a given National Grid Reference of a site. The database contains information from the Environment Agency (EA) and other statutory authorities responsible for monitoring environmental protection measures within the area of a site under existing legislation (see below).

Information has also been obtained directly from the environmental regulators in order to gauge the environmental characteristics of the site in more detail and to establish whether there have been any breaches of environmental regulations or pollution incidents associated with the site. This is used to support the publicly available information gathered from the commercial database. The time in which responses are returned can vary between statutory authorities.

Environmental Legislation

The principal environmental legislation in England consists of the Environmental Protection Act 1990 (EPA 90), the Water Resources Act 1991 and the Environment Act 1995 (EA 95). These Acts prescribe protection measures for all the environmental media (land, water and air) and are regulated by the EA and the Local Authority. Part 1 of the EPA 1990 sets out the statutory framework for Integrated Pollution Control (IPC) and Air Pollution Control (APC).

ENVIRONMENTAL SETTING

This chapter assesses the environmental sensitivity of the site location to contamination / pollution. It is important to establish the environmental setting because, irrespective of the level of contamination on the site, if its location is not 'sensitive' to this contamination / pollution there is a reduced risk of an environmental liability arising.

The sensitivity is assessed using British Geological Survey (BGS) information (such as geological maps and data from the Environment Agency (<u>http://www.environment-agency.gov.uk/homeandleisure/117020.aspx</u>)* on groundwater and surface water. Data on abstractions have been obtained from publically available sources including information supply companies such as Landmark and GroundSure. The vulnerability of surface waters and groundwater is based on sensitivity to pollution, distance from abstractions, type and nature of groundwater and type of overlying strata.

Aquifer Designations

In 1 April 2010 the Environment Agency began using aquifer designations that are consistent with the Water Framework Directive. These designations reflect the importance of aquifers in terms of groundwater as a resource (drinking water supply) but also their role in supporting surface water flows and wetland ecosystems.

The BGS maps are generally split into two different type of aquifer designation:

- **Superficial (Drift)**: permeable unconsolidated (loose) deposits. For example, terrace sands and gravels.
- Bedrock: solid permeable formations e.g. sandstone, chalk and limestone.

The maps display the following aquifer designations, and the corresponding colours beside the text are also represented on the Environment Agency's website*:

Principal Aquifers (formally Major Aquifers)

These are highly permeable layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may be highly productive and able to support large abstractions, public water supply and/or river base flow on a strategic scale.

Secondary Aquifers (formally Minor Aquifers)

These include a wide range of rock layers or drift deposits with an equally wide range of water permeability and storage. Although these aquifers will not normally produce large quantities of water for abstraction, they are important for local supplies (such as irrigation) and supplying base flow to rivers. Secondary aquifers are subdivided into two types:

Secondary A: permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers; and

Secondary B: predominantly lower permeability layers which may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers.

Secondary Undifferentiated: has been assigned in cases where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type.

Unproductive Strata

These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

Source Protection Zones (SPZs)

The Environment Agency have defined Source Protection Zones (SPZs) for 2000 groundwater sources such as wells, boreholes and springs used for public drinking water supply. These zones show the risk of contamination from any activities that might cause pollution in the area. **The closer the activity, the greater the risk.** The maps show three main zones (inner, outer and total catchment) and a fourth zone of special interest, which we occasionally apply, to a groundwater source.

Flood Risk

The Flood Map combines detailed local data with information from a new national model of England and Wales and indicates where flooding from rivers, streams and watercourses is possible. Under Section 105 of the Water Resources Act 1991 the Environment Agency has a duty to survey matters relating to flooding.

RISK ASSESSMENT

This chapter assesses the potential for the site to give rise to environmental risks and whether or not the risks are acceptable or if further assessment or remedial action is required.

The qualitative risk assessment firstly considers the source of contamination and potential contaminants associated with the source(s) (or hazards). As well as the type of source, the extent, concentration and availability of a contaminant is also assessed.

The effect of a hazard on an identified receptor is largely governed by the sensitivity of a receptor. Receptors may typically include people, buildings, animals, plants and local resources (such as groundwater, surface waters, mines etc.

A change in the receptor should be considered if the end-use of the site changes, for example, if a commercial site is to be redeveloped into a residential housing estate as a residential occupier is considered more sensitive than a commercial occupier.

The presence of contamination (as a potential hazard) does not necessary mean that there is a risk. It is the exposure pathway and the quantity of contamination that reaches the receptor which may determine the effect on a receptor (such as the integrity of a barrier between a contamination source and receptor).

The risk classifications for both likelihood and consequence is based on methodology presented in Contaminated Land Risk Assessment, A Guide to Good Practice (CIRIA C552, 2001) and has been developed from procedures outlined in the EA's CLR11 Model Procedures. The DETR, with the EA and Institute of Environment & Health, has also published guidance on risk assessment (Guidelines for Environmental Risk Assessment and Management). The guidance states that the designation of risk is based upon a consideration of both:

- The magnitude of the potential consequence (severity) of risk occurring which takes into account both the potential severity of the hazard and the sensitivity of the receptor; and
- The likelihood of an event occurring (probability) which takes into account the both the presence of the hazard and receptor and the integrity of the pathway.

The magnitude of consequence (severity) and likelihood (probability) is defined in the CIRIA guidance, together with examples. The two classifications are then compared (as shown on Table 1) to obtain an estimation of risk for each pollution linkage, ranging from "very high risk" to "very low risk". A description of the risks and likely actions required is presented in Table 2. The benefit of estimating the risk in this way is that it can be revised after each investigation phase as the conceptual model and corresponding pollution linkages are refined.

			Consec	quence	
		Severe	Medium	Mild	Minor
	High likelihood	Very high risk	High risk	Moderate risk	Moderate/ low risk
elihood	Likely	High risk	Moderate risk	Moderate/ low risk	Low risk
Like	Low likelihood Moderate risk		Moderate/ low risk	Low risk	Very low risk
	Unlikely	Moderate/ low risk	Low risk	Very low risk	Very low Risk

Table 1: Comparison of Consequence VS. Probability

Table 2: Description of the Classified Risks and Likely Action Required

Level of Risk	Description of Classification
Very High Risk	There is a high probability that severe harm could arise to a designated receptor from an identified hazard, or, there is evidence that severe harm to a designated receptor is currently happening. If this risk is realised, it is likely to result in significant environmental and financial liability to current and/ or future site owners/ occupiers. Urgent investigation (if not already undertaken) and remediation is likely to be required.
High Risk	Harm is likely to arise to a designated receptor from an identified hazard. If risk is realised, it is likely to present a sizeable environmental and financial liability to current and/ or future site owners/ occupiers. Urgent investigation is required and remediation work may be necessary in the short term and likely over the longer term.
Moderate Risk	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely the harm would be relatively mild. Investigation is normally required to clarify the risk and determine the potential environmental liability. Some remedial works may be required over the longer term.
Low Risk	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild. Limited investigation may be recommended to clarify the risk, dependant on the sensitivity of the receptor and view point of those of interest. Any remedial works are likely to be fairly limited.
Very Low Risk	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is likely to be mild or minor.

The acceptability of risk will always depend upon the view point of those of interest, whether it is an occupier of a site, a regulator or stakeholder. As a result, it could be that action will be required to deal with a level of risk even if it is classified as very low.

APPENDIX B: EXPLORATORY HOLE LOGS

								Trialpit No		
L	USTRE ONSULTING					Tri	ial Pit Log	TP01		
Droise	4			Projec	at No		Co-orde:	Sheet 1 of 1		
Projec	erliame	ent Hill		1522	SUNO.		Level:	30-03-2016		
Locati	ion: Camden						Dimensions	Scale		
Loout							(m):	<u>1:15</u>		
Client	: Farrans	Construct	ion			-				
ke r	Sample	es and In	Situ Testing	Depth	Level	legend	Stratum Description			
Wa Stri	Depth	Туре	Results	(m)	(m)		тармасарам			
	0.30 - 0.40	D	PID=0	0.18			Dark brownish black slightly clayey sandy suba subrounded fine to coarse gravel of concrete, thand clinker. Sand is fine to coarse. Occasional and tile fragments. (MADE GROUND) Soft to firm light brown slightly gravelly clay. Grasubangular to subrounded fine to coarse brick, and flint. Black mottling and ashy pockets noted rootlets. (MADE GROUND)	ngular to		
	1.70 - 1.80	D	PID=0	2.18			Soft to firm brown fissured CLAY (LONDON CL FORMATION).	AY 1		
Rema Stabili	rks: ity:									

					Trialpit No					
L U 	S T R E					Tri	ial Pit Log	TP02	4	
Project				Proiec	t No		Co-ords' -	Sheet 1 of 1		
Name:	Parliam	ent Hill		1522			Level:	31-03-2016	3	
Locatio	n: Camder	n					Dimensions	Scale		
							(m): Depth	1:15		
Client:	Farrans	Construc	Situ Testing					Logged		
Water Strike	Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description			
				0.05			TARMACADAM. Black slightly gravelly ashy fine to coarse sand subangular to subrounded fine to coarse clinke GROUND). Soft brown slightly gravelly clay with frequent b cobbles (MADE GROUND). Soft brown slightly sandy fissured CLAY (LONE CLAY FORMATION). End of pit at 1.40 m	. Gravel is r (MADE rick DON 1	1	
									-	
				<u> </u>				3	3 -	
Remark Stability	Remarks: Perched groundwater seepage at 1.2m bgl.									

								Trialpit No	
L	USTRE onsulting					Tri	al Pit Log	TP03	
				Broio	ot No		Co. orde:	Sheet 1 of 1	
Name	ertiame	ent Hill		1522	SUNO.		Level:	30-03-2016	5
Locati	on: Camden			_			Dimensions	Scale	
Loouti	on. Gundon						(m):	1:15	
Client	: Farrans	Construct	tion				1.80	TC	
ke r	Sample	s and In	Situ Testing	Depth	Level	legend	Stratum Description		
Va Stri	Depth	Туре	Results	(m)	(m)				
	0.30 - 0.40	D	PID=0 PID=0	0.20 0.46			CONCRETE. Soft to firm light brown sandy clay. Sand is fine coarse. Frequent fragments of brick, clinker an tile. Frequent rootlets. (MADE GROUND) Soft to firm light brown mottled black gravelly of Gravel is subangular to subrounded fine to coa brick, flint and clinker with occasional ceramic t ashy pockets. Occasional rootlets. (MADE GROUND) Soft to firm dark brown fissured CLAY (LONDO FORMATION).	to d ceramic clay. rse chalk, iles and OUND) 1 N CLAY	
				1.80			End of pit at 1.80 m	2	2
Rema Stabili	rks: ity:	<u> </u>					,		E G

								Trialpit N	٩o		
L						Tri	al Pit Log	TP04			
	013021110			·			-	Sheet 1 c	of 1		
Projec	rt Parliame	ent Hill		Projec	CT NO.		CO-OFQS: -	Date 08-04-20	16		
				1022			Dimensions	Scale	10		
Locau	on: Camder	1					(m):	1:15			
Client	: Farrans	Construc	tion	1			2.20 Logged				
Vater Strike	Sample Depth	es and In	Results	Depth (m)	Level (m)	Legend	Stratum Description				
> 0)				0.05			Concrete paving slab.		-		
	0.40	D		0.35			CONCRETE. Soft to firm light brown slightly silty slightly grav Gravel is subangular to subrounded fine to coa and brick (MADE GROUND).	/elly clay. Irse flint			
	1.40	D		1.10			Soft dark brown slightly sandy slightly gravelly Gravel is subangular to subrounded fine to coa and brick. Occasional pockets of peaty silt (MA GROUND).	silty clay. Irse flint DE			
				2.20			End of pit at 2.20 m		2		
Remarks: Stability:											

								Trialpit	No
L U	JSTRE NSULTING					Tri	al Pit Log	TP0	5
				Broiog	t No		Co. ordo:	Sheet 1	of 1
Name:	Parliam	ent Hill		1522	i no.		Level:	08-04-20	016
Locatio	on [.] Camdei	n		1			Dimensions	Scale	9
Looune							(m):	1:15	d
Client:	Farrans	Constru	ction		1	1		Logge	u .
Water Strike	Sampl Depth	es and I Type	n Situ Testing Results	Depth (m)	Level (m)	Legend	Stratum Description		
				0.07			TARMACADAM	-	
	1.20	D		0.07			Reddish greyish brown sandy gravelly silt / clay is angular to subrounded fine to coarse brick, fi concrete, with frequent concrete and brick cobb boulders to 0.3m bgl (MADE GROUND).	y. Gravel int and oles and casional ONDON	
									3 -
Remar Stabilit	rks: Natu ty:	ral soils	not encountered.		,				T R E

								Trialpit No	
L	USTRE ONSULTING					Tri	ial Pit Log	TP06	
				Broioc			Co. ordo:	Sheet 1 of 1	
Name	e: Parliame	ent Hill		1522	,LINU.		Level:	30-03-2016	
Locati	ion: Camden						Dimensions	Scale	
							(m):	1:15	
Client	: Farrans	Construe	ction				1.17	TC	
er (e	Sample	es and li	າ Situ Testing	Depth	Level				
Wat Strik	Depth	Туре	Results	(m)	(m)				
	0.20 - 0.30	D	PID=0	0.12			Dark brownish black slightly clayey sandy suba subrounded fine to coarse gravel of brick, tarm clinker, flint and rare chalk with occasional brick cobbles. Frequent plastic fragment. Metal reinfibar. (MADE GROUND) Soft to firm light brown slightly gravelly clay. Gr subangular to subrounded fine to coarse flint, c clinker, brick. Rare ashy pockets. Occasional p fragments. (MADE GROUND) Soft to firm light brown fissured CLAY. (LONDC FORMATION) End of pit at 1.17 m	ngular to ac, and preement avel is halk, lastic I I I I I I I I I I I I I I I I I I I	
Rema Stabili	.rks: ity:							L U S T R E CONSULTING	

							Trialpit No		
L	USTRE ONSULTING					Tri	al Pit Log	TP07	
				Droio	+ N -		Co. order	Sheet 1 of 1	
Projec	et Parliame	ent Hill		1522	SUNO.			Date 29-03-2016	
	0			1022			Dimensions	Scale	
Locat	on: Camden						(m):	1:15	
Client	: Farrans	Construe	ction				1.14	Logged TC	
ke	Sample	es and Ir	n Situ Testing	Depth	Level	Legend	Stratum Description		
Wa Stri	Depth	Туре	Results	(m)	(m)		TARMACADAM.		
	0.15 - 0.25	D	PID=0	0.12 0.32			Black slightly silty gravelly fine to coarse sand. subangular to subrounded fine to coarse brick, flint and cobbles of brick. Rare ceramic pipe. (M GROUND) Soft to firm light brown mottled black slightly gra clay. Gravel is fine to coarse subangular to subb brick and flint. (REWORKED LONDON CLAY FORMATION) End of pit at 1.14 m	Gravel is clinker, IADE avelly rounded	
								3-	
Remarks: Perched groundwater encountered at 1.05m bgl. Stability:									

								Trialpit No	
LU						Tri	al Pit Log	TP08	
				<u> </u>				Sheet 1 of 1	
Project Name:	t Parliam	ent Hill		Projec	ct No.		Co-ords: -	Date 29-03-2016	
1 4: -		_		1022			Dimensions	Scale	
Localic	on: Camder	1					(m):	1:15	
Client:	Farrans	Construct	ion			1	0.55	Logged	
Nater Strike	Sampl Depth	es and In : Type	Situ Testing Results	Depth (m)	Level (m)	Legend	Stratum Description		
	0.20	D		0.07			TARMACADAM. Whitish reddish light brown slightly silty sandy subrounded to subangular fine to coarse grave and concrete (MADE GROUND). Soft greyish brown slightly sandy slightly grave fissured CLAY. Gravel is fine to medium subrou (LONDON CLAY FORMATION). End of pit at 0.55 m	l of brick	
Stabilit	.y:		wea at 0.40111 byl.						

								Trialpit N	٩٥	
L	USTRE					Tri	al Pit Log	TP10)	
				Ducies	4 1.1-		Que enviro	Sheet 1 c	of 1	
Projec Name	et Parliame	ent Hill		Projec	t NO.		CO-OFQS: -	Date 29-03-20	116	
Locati	ioni Comdon			1.022			Dimensions Scale			
Locau	on: Camden						(m):	1:15		
Client	: Farrans	Construct	tion		1		0.85	Logged TC	1	
ater rike	Sample	es and In	Situ Testing	Depth (m)	Level (m)	Legenc	Stratum Description			
≥ છ	Depth	туре	Results	()	()		Brick paving.			
	0.30 - 0.40	D	PID=0 PID=0	0.28 0.40 0.85			End of pit at 0.85 m	avel is lare metal avelly COUND)	1	
Pome	rke: Darah		dwater encountered	t 0 0~	bal				3 —	
Remarks: Perched groundwater encountered at 0.8m bgl. Stability:										

L						Bo	or	ehol	e Log	Borehole N BH0 ⁴ Sheet 1 of	lo. 1 f 1	
Projec	t Name				Project	No.		Co-ords: -			Hole Type	
Locati	on:	Camden			1522			Lev	vel:		Scale 1:50	
Client	:	Farrans Co	nstructio	on				Da	tes:	30-03-2016 -	Logged E JM	Зу
Well	Water	Samp	les and	In Situ Testing	9	Depth	Lev	el	Legend	Stratum Descriptic	n	
	Strikes	Depth (m) 0.30 1.30 2.30 2.50 - 2.70 2.70 - 3.00 4.00 4.00 4.00 4.70 - 5.00 6.00 6.70 - 7.00 7.50 - 7.70 7.70 - 8.00 8.00	Type D D U D U U D U U D U U D U D U D U D	Results N=4 (0,0/1,1 N=5 (1,/0,1, N=8 (1,/0,2, N=13 (4,/3,3 N=13 (4,/3,3 N=13 (4,/3,3 N=16 (4,/3,4 N=18 (6,/4,5 N=18 (5,/4,5	,,1,1) (2,2) (3,3,3) (3,3,4) (3,3,4) (5,4,5) (5,4,5) (5,5,4)	(m) 0.05 0.40 0.90 1.50 8.40	(m			TARMACADAM. Black, grey and red slightly silt gravelly ashy sand. Gravel is s to subrounded fine to coarse b and slate (MADE GROUND). Soft greyish brown slightly silty gravelly clay. Gravel is subroun flint (REWORKED LONDON C Soft very dark grey slightly san gravelly silt with rare pockets of brown pseudo-fibrous peat. Gr subrounded fine to medium flin sandstone (MADE GROUND). Medium (becoming stiff from 3 brown slightly silty CLAY with of mottling between 2.5-4.0m bgl darker with depth. Occasional fine selenite crystals (LONDON FORMATION).	y slightly ubangular rick, clinker, r slightly nded fine LAY). dy slightly if dark avel is it, brick and m bgl) Jark grey Becoming subangular N CLAY	
Rema	rks										L U S T consult	9

LI							Во	ore	ehol	e Log	Borehole No BH02 Sheet 1 of	o. 2 1
Projec	t Name			P	Project N	lo.		Co-d	ords:	-	Hole Typ	e
Locatio	on:	Camden		1	1522			Leve	el:		Scale	
Client:		Farrans Co	nstructi	on				Date	es:	30-03-2016 -	Logged B	Зу
	W/ater	Sampl	es and	I In Situ Testing		Denth					AN	
Well	Strikes	Depth (m)	Туре	Results		(m)	(m)		Legend	Stratum Description	on	
		0.10	D	PID=0		0.05				TARMACADAM. Black ashy slightly sandy grav	el. Gravel is	1
		0.50 - 0.60	D	PID=0		0.40				angular to subangular fine to c clinker, roadstone and tarmac.	oarse coal, (MADE	.
		0 90 - 1 00								GROUND) Light orange slightly sandy col	ble of brick.	
		1.10 - 1.20	D	N=4 (1,/1,1,1, PID=0	1)					(MADE GROUND) Soft dark grevish brown mottle	d reddish	1 -
		1.40	PP	98		1.40				brown slightly gravelly clay. Gr	avel is	
		1.50 - 1.60 1 80	PP	PID=0				F		and brick. Rare small ashy poor	ckets and	/
		1.00		N=8 (1,/1,2,2,3	3)			E		rootlets. (MADE GROUND)	m hal and	2 -
		2.30	PP	49						very stiff from 4m bgl) brown n	nottled	
		2.30 - 2.40								CLAY. Pocket of orangish yello	w friable silt	-
		2		N=12 (4 /3 3 3	3)					at 3.7m bgl. Rare fine selenite from 4m to 4.5m bgl. Rare small	crystals all speckles	3 -
		3.20	PP	245	,0)					of red discolouration. (LONDO FORMATION).	N CLAY	
		3.20 - 3.30						E				-
		3.80	PP	147								
				N=15 (4,/3,4,4,	,4)			E				4 -
		4.30	PP	294								.
		4.70 - 5.00	D					E				
				N=17 (5,/3,5,5,	,4)							5 -
		5.20	PP	245								
		5.50 - 5.60	D									-
		5.80	PP	343 N=21 (5 /4 5 6	6)							6 -
		6.30	PP	392	,0)							
												-
		6.70 - 7.00	D									
				50 (25 for 100mr for 150mm)	m/50	7.00				End of borehole at 7.00	m	- 7 -
												-
												8 -
												-
												9 -
												-
												10 -
Remar	·ks											10 -
												R E N G

L							Bo	ore	eho	le Log	Borehole N BH0: Sheet 1 of	o. 3 f 1
Projec Parlia	t Name ment Hill				Project N 1522	No.		Co-	ords:	-	Hole Typ WLS	e
Locati	on:	Camden						Lev	el:		Scale 1:50	
Client	:	Farrans Co	nstructio	n				Dat	es:	30-03-2016 -	Logged E	Зу
Woll	Water	Sampl	es and	In Situ Testing		Depth	Lev	el	Logond	Stratum Doscripti		
weii	Strikes	Depth (m)	Туре	Results		(m)	(m)				
Rema	rks	0.10 - 0.20 0.40 - 0.50 0.65 0.70 1.20 - 1.30 1.50 - 1.60 1.70 - 2.00 2.10 2.60 - 2.70 3.60 3.70 - 4.00 4.30 4.30 - 4.40 4.40 5.50 - 5.60	D PP C D C PP D PP C PP D PP	PID=0 PID=0 49 N=4 (1,/1,1,1 PID=0 N=5 (,1/1,2,1 147 PID=71 N=6 (,1/1,2,1 98 N=8 (3,/1,2,2 196 343 N=13 (5,/3,3,4 N=18 (5,/4,4,5)	(,1) (,1) (,2) (,3) (4,3) (5,5)	6.00				Soft dark greyish brown mottle slightly gravelly clay. Gravel is subangular fine to coarse flint and rare small shell fragments rootlets. Rare small ashy pock <u>GROUND</u>) Medium (becoming stiff from 5 brown slightly mottled blue an orange CLAY Lens of dark gro orange CLAY from 2.1-2.45m fine to medium crystals of sele (LONDON CLAY FORMATION End of borehole at 6.00	ed orange angular to clinker, brick s. Occasional kets. (MADE 5m bgl) d mottled by mottled bgl. Rare enite. N)	1 - 2 - 3 - 3 - - - 5 - - - 6 - - - 8 - 9 - . 10
Perch	ed water	from 4.3m bgl.	No rec	overy from 5.7-6	6.0m bgl.							R E

										Borehole No.	
L	USTRF						Bc	oreho	le Log	BH04	
с	ONSULTING									Sheet 1 of 1	
Projec Parlia	t Name ment Hill				Project	t No.		Co-ords:	-	Hole Type WI S	
Locati	on:	Camden						Level:		Scale	
Client		Farrans Co	nstructio	on				Dates:	31-03-2016 -	Logged By	
	Wator	Samp	les and	In Situ Testing	3	Dopth					
vven	Strikes	Depth (m) 0.20 - 0.30	Type D	Results	\$	(m)	(m)		Black gravelly fine to coarse s is angular to subangular fine to	and. Gravel	
		$\begin{array}{c} 1.20\\ 0.40 - 0.50\\ 0.70 - 0.80\\ \hline \\ 1.30 - 1.40\\ 1.40\\ 1.60\\ 1.70 - 2.00\\ \hline \\ 2.20\\ 2.30 - 2.40\\ 2.60\\ 2.80\\ 3.00\\ 3.20\\ 3.40\\ 3.60\\ 3.70 - 4.00\\ 4.00\\ 4.10 - 4.30\\ \hline \\ 4.00\\ 4.10 - 4.30\\ \hline \\ 4.60\\ 4.80\\ \hline \\ 5.20\\ 5.40\\ 5.60\\ 5.70 - 6.00\\ 5.80\\ 6.00\\ 6.20\\ 6.20\\ 6.20\\ 6.20\\ 6.20\\ 6.30\\ \hline \\ 6.80\\ 7.00\\ \hline \end{array}$	D D PPDPPPU PDPPPPPPPPPPPPPPPPPPPPPPPPP	N=12 (2,2/3, 147 147 147 172 N=10 (1,2/2, 147 147 172 196 N=12 (4f 77mm/2,3, 245 245 294 N=13 (1,2/2, 245 196 343 N=18 (3,3/3, 245 294 294 N=17 (2,3/3, 245 294 294 N=17 (2,3/3, 245 294 294 N=12 (4f, 4/5, 5) N=12 (3,4/5, 5) N=12 (4f, 7) N=12 (4f, 7	3,3,3) 2,3,3) or 4,3) 3,4,4) 5,5,5) 4,5,5)	0.34			 and brick (MADE GROUND). Whitish grey slightly silty grave coarse sand. Gravel is subang subrounded fine to coarse bric concrete. Rare ashy pockets. I pockets of dark grey and brow (MADE GROUND). Stiff (becoming very stiff from a brown mottled brownish orang fissured CLAY. Occasional fine Blue mottling from 2.3m bgl, w whitish brown very slightly sar and black organic discolourati small pocket of subangular cry selenite from 4.5m bgl (LOND FORMATION). 	m	1 - 2 - 3 - 3 - 4 - 5 - 6 - 7 - 8 - 9 -
Rema	rks										

							Bo	or	ehol	le Loa	Borehole N	o. 6
L C	USIRE							_			Sheet 1 of	1
Projec	t Name				Project	t No.		Со	-ords:	-	Hole Typ	е
Locatio		Camden			1922			ا م ا	vol·		Scale	
Locali	JII.	Canden						Lev			1:50	3v
Client:		Farrans Co	nstructio	on		1		Da	tes:	30-03-2016 -	AK	
Well	Water	Sampl	les and	In Situ Testing	J	Depth	Lev	el	Legend	Stratum Descripti	on	
	Surkes	Depth (m)	Туре	Results	;	(m)	(m)		Blackish dark brown slightly c	lavev slightly	
		0.10 - 0.30	D							gravelly silt. Gravel is angular subangular fine to medium flir	to to	
		0.60 - 0.80	D			0.55				Occasional roots. (TOPSOIL)	3m hal)	
				N=8 (1 2/1 2	3 2)					brown mottled blue and mottle	ed orange	.
		1.10 1.30 - 1.40	PP D	98	,0,2)					brown pockets of very fine sar	nd. Wet	
		1.50 - 1.40	PP	147						fine crystals of selenite. Mottle	y lens and ed blue to	.
		1.60 - 2.00	D							4.1m bgl. Becoming laminated bgl (LONDON CLAY FORMA)	d from 4.5m FION)	
				N=14 (2,2/3,3	3,4,4)							2 -
		2.20	PP	196						-		
		2.40 - 2.50								_		-
		2.80	PP	343								
		3.10 - 3.20	D	N=15 (2,3/3,4	1,4,4)							3 -
		2 50		204						-		
		3.60 - 4.00		294						-		
				N=15 (2 3/3 4	144)							4 -
		4.20	PP	245	.,.,,							
		4.00		202						-		-
		4.60		392						-		
		5 10	PP	N=20 (3,4/5,5	5,5,5)							5 -
		5.30	PP	196 392								
		5.50	D							-		-
		5.90	PP	343						-		
<u> </u>				N=20 (4,4/5,5	5,5,5)	6.00				End of borehole at 6.00	0 m	6 -
												7 -
												8 -
												9
												10 -
Remar	ˈks					1						
Hand p	oit excav	ated to 1.2m b	gl.									RE
											CONSULTI	NG

Project N Parliamen Location:	S T R E Name ent Hill	Camden Farrans Co	nstructio	20	Project 1522	No.	Bo	Co- Lev	ehol -ords: vel: tes:	e Log - 29-03-2016 -	Borehole No BH07 Sheet 1 of Hole Typ WLS Scale 1:50 Logged E	o. 7 1 e 3y
	Vater	Sampl	es and	In Situ Testing]	Depth	Lev	el			AK	
Well SI	Vater _ trikes	Depth (m) 0.10 0.20 - 0.30 0.50 0.60 - 1.00 1.20 - 1.30 1.30 2.10 - 2.20 2.50 2.60 - 3.00 3.10 3.60 - 4.00 4.10 4.30 - 4.40 5.20 5.60 - 6.00	Type D D PP C D PP D PP C PP C PP C PP C PP	Results PID=0 PID=0 49 N=7 (1,1/1,2 147 N=11 (1,2/2,3 294 N=15 (2,2/3,4 196 N=15 (3,3/3,4 245 343 N=15 (3,4/3,4 196 N=19 (3,4/4,5)	,2,2) 3,3,3) 4,4,4) 4,4,4) 4,4,4) 5,5,5)	6.00	(m)			Stratum Description Grass over dark brown slightly slightly gravelly clayey silt. Gra angular to subangular fine to o flint, sandstone and concrete v cobble. Frequent rootlets. (MA GROUND) Medium (becoming stiff from 2 very stiff from 2m bgl) mottled fissured CLAY. Occasional roo blue with sandy pockets from 1. Orangish brown nodule of ionis 2.1m and 2.4m bgl (LONDON FORMATION).	m sandy vvel is oarse brick, vith concrete DE m bgl, and orange tlets. Mottled I.4m bgl. 7-5.0m bgl. sed pyrite at CLAY	
Remarks	3											10 — R E N G

										Borehole No.	
L	USTRE						Bc	reho	ole Log	BH08	
Projec Parliar	t Name				Project	t No.		Co-ords:		Sheet 1 of 1 Hole Type WLS	
Locatio	on:	Camden						Level:		Scale	
Client:		Farrans Co	nstructio	on				Dates:	31-03-2016 -	Logged By AK	
Woll	Water	Samp	les and	In Situ Testing	J	Depth	Leve		nd Stratum Descripti	on l	
	Strikes	Depth (m)	Туре	Results	;	(m)	(m)				
		0.10 - 0.20 0.50 - 0.60	D D			0.40			Black ashy sandy angular to s fine to coarse gravel of brick, tarmac, roadstone, coal and fl	ubangular clinker, int with flint	
		1.10 - 1.20	D	N=4 (1 fc 75mm/1,1,7	or 1,1)	1.00			cobbles. (MADE GROUND) Greyish blackish light brown s gravelly fine to coarse sand. C angular to subangular fine to flint, sandstone, tarmac, coal.	lightly clayey Gravel is coarse brick, Frequent	1 -
		1.80 1.80 - 1.90 1.90 - 2.00 2.20 2.40 2.60 2.70 - 3.00	PP D D PP PP PP U	N=12 (2,2/2,3 147 196 196	3,3,4)	1.80			GROUND) Soft light brown slightly sandy gravelly fissured clay. Gravel subangular fine to coarse flint and coal. Rare very small mol ashy pockets. (REWORKED I CLAY) Stiff (becoming very stiff from	slightly s angular to brick, chalk tled brown CONDON	2 -
		3.20 3.40 3.60 3.70 - 4.00	PP PP PP U	N=14 (2,2/3,3 245 245 245 245	3,4,4)				mottled grey and orangish brc CLAY. Occasional pockets of mottling. Rare fine roots. Rare pockets of fine selenite crysta small fragments of ionised pyr (LONDON CLAY FORMATIO)	wn fissured orange e small ls. Rare ite. N)	3 -
		4.20 4.20 - 4.30 4.40 4.60 4.80	PP D PP PP PP	N=14 (2,2/2,3 245 245 245 294	3,4,5)						4 -
		5.20 5.40 5.60 5.70 - 6.00	PP PP PP U	N=17 (3,3/4,4 343 343 392	1,5,4)						5 -
		6.20 6.40 6.40 - 6.50 6.60 6.80	PP PP D PP PP	N=18 (3,3/4,4 343 392 392 441	1,5,5)	7.00					6 -
				N=25 (5,5/6,5	5,7,7)	7.00			End of borehole at 7.00	m	7 -
											8 -
											9 -
										1	10 -
Remai	rks					1	I				E

L		:					Bc	oreh	ol	e Log	Borehole N BH0	lo. 9
Projec Parliai	t Name ment Hill				Project 1522	No.		Co-ords	:	-	Hole Typ WLS	be
Locati	on:	Camden			-			Level:			Scale	
Client	:	Farrans Co	nstructio	on				Dates:		30-03-2016 -	Logged E	Зу
Well	Water	Samp	les and	In Situ Testing		Depth	Leve	Lege	end	Stratum Descriptio	'n	
	Strikes	Depth (m)	Туре	Results		(m)	(m)					_
		0.20 - 0.30 0.70 - 0.80 0.90 1.40 - 1.50 1.60 - 2.00 2.00 2.60 3.10 3.80 4.40 5.10 5.80	D D D V PP PP PP PP	PID=0 PID=0 PID=0 N=5 (1 for 75mm/1,2,1 PID=0 N=11 (1,2/2,3 196 N=9 (1,1/2,2, 196 N=9 (1,1/2,2, 196 N=9 (1,1/2,2, 196 N=13 (2,1/3,3 245 N=13 (2,1/3,3 147 294 N=15 (3,3/3,4)	r ,1) ,3,3) 2,3) ,3,4) ,3,4)	0.10 0.45 0.70 0.85 1.90				Reddish greyish black sandy a subrounded fine to coarse grav tarmac, flint, concrete and bricl cobbles. Pocket of yellowish lig fine sand. (MADE GROUND) Greyish dark brown slightly sar to subangular fine to coarse gr and concrete. (MADE GROUN Soft reddish brown slightly grav Gravel is angular to subangula medium flint and brick. (MADE Soft brown slightly silty slightly clay. Gravel is angular to suban to medium brick, flint. Small bla pockets. (MADE GROUND) Stiff (becoming very stiff from 6 brown mottled blue fissured CL Occasional veins of fine rootlet rare pockets of orangish whitis to medium sand to 3m bgl. Mo 4.5m bgl. Rare fine to medium selenite (LONDON CLAY FOR End of borehole at 6.00	mgular to vel of k with flint ght brown mdy angular avel of brick D) velly clay. r fine to GROUND) gravelly ngular fine ack ashy im bgl) .AY. is. Small h brown fine ttled blue to sands of MATION).	1
Rema	rks										L U S T CONSULT	RE

L Projec Parliai	USTRE ONSULTING t Name ment Hill				Project 1522	No.	Bo	or ₀	eho	e Log		Borehole N BH1 Sheet 1 o Hole Typ WLS	lo. 0 If 1 De
Locati	on:	Camden						Lev	/el:			Scale 1:50	
Client		Farrans Co	nstructio	on				Da	tes:	30-03-2016 -		Logged I AK	Ву
Well	Water	Samp	les and	In Situ Testing		Depth	Lev	el	Leaend	Stra	atum Descriptio	on	
		Depth (m) 0.10 - 0.20 0.30 - 0.40 0.60 0.60 - 0.70 1.20 1.40 - 1.50 2.10 2.10 - 2.20 2.50 2.60 - 3.00 3.20 3.80 4.30 4.70 - 5.00 5.50 - 5.60 5.50 6.10 6.10 6.50 6.90	Ivpe D D PP C PP D PP C PP C PP C PP D PP C PP C PP C PP C PP C PP	PID=0 PID=0 294 N=10 (1,2/2,3) 147 N=13 (2,2/3,3) 196 353 N=16 (2,2/3,4) 294 N=19 (3,4/4,5) 294 N=21 (3,4/5,5) 196 N=20 (3,4/4,5) 294 N=20 (3,4/4,5) 294 N=19 (4,4/4,5) N=19 (4,4/4,5) N=27 (5,5/6,6)	,2,3) ,3,4) ,5,4) ,5,5) ,5,6) ,5,6) ,5,5)	8.00				Grass over soft silty clay. Grave subrounded fine slag. Small ash GROUND) Stiff (becoming brown mottled b Occasional fine of fine to mediu bgl. Rare decay 1.3m bgl. Dark with rare fine to selenite. (LONE	dark brown slig e to medium bri y pockets. (MA very stiff from 3 blue fissured Cl roots at 0.4m k m orange sand brown clay from medium crysta DON CLAY FOF	ghtly gravelly to ck, flint and DE 3m bgl) _AY. bgl. Pockets from 1.0m terial at n 3.4m bgl ils of RMATION)	
Rema	rks											L U S T CONSULT	10

L	USTRE onsulting					Tri	al Pit Log	Trialpit I TP1	No 1
Proied	st			Projec	ct No.		Co-ords: -	Sneet 1 Date	
Name	Parliame	ent Hill		1522			Level:	29-03-20	016
Locati	on: Camden						Dimensions (m):	Scale	•
Client	: Farrans	Construe	ction				Depth	Logge	d
5 0	Sample	es and Ir	n Situ Testing	Depth				IC	
Nate Strik∈	Depth	Туре	Results	(m)	(m)	Legend	I Stratum Description		
	0.05 - 0.15	D	PID=0				Soft light brown slightly gravelly clay. Gravel is subangular to subrounded fine to coarse flint, b clinker. Frequent rootlets with fabric, membrane plastic fragments. (MADE GROUND)	rick and and rare	-
	0.60 - 0.70	D	PID=0	0.19			Soft brown gravelly clay. Gravel is subangular t subrounded fine to coarse flint, brick, concrete clinker with cobbles of concrete and brick. Rare fragments. Rare rootlets and decayed organic r (MADE GROUND)	o and ⊧ plastic matter.	
				0.80			End of pit at 0.80 m		
Rema	rks:							LUS	

								Trialpit No	
L	USTRE ONSULTING					Tri	al Pit Log	TP12	2
Projec	st.			Proiec	t No.		Co-ords: -	Date	1 1
Name	Parliame	ent Hill		1522			Level:	30-03-20)16
Locati	on: Camder	ı					Dimensions	Scale	
							(m): Depth	1:15 Loaged	
Client	: Farrans	Construc			1	1	1.49	ŤĊ	
ater rike	Sample	es and Ir	n Situ Testing	Depth	Level	Legend	Stratum Description		
S Q	Depth	Туре	Results	(11)	(11)		Brick paving.		
We Str	Depth 0.30 - 0.40 0.50 - 0.60	D	PID=0 PID=0	(m) 0.06 0.21 0.40 1.49	(m)		Brick paving. Yellow slightly gravelly fine to coarse sand. Grad subangular to subrounded fine flint. (MADE GR Blackish, reddish light brown slightly gravelly fir coarse sand. Gravel is fine to coarse angular to subangular tile, brick, ash, clinker and sandstor plastic and metal fragments. (MADE GROUND) Soft to firm light brown becoming dark brown sl gravelly clay. Gravel is subrounded fine flint. (M GROUND) Soft to firm light brown becoming dark brown sl gravelly clay. Gravel is subrounded fine flint. (M GROUND) End of pit at 1.49 m	vel is OUND) ne to he. Rare johtly ADE	
Rema Stabili	rks: ity:				<u> </u>				3

L	U S T R E					Tri	ial Pit Log	Trialpit No TP13
c	ONSULTING						J	Sheet 1 of 1
Projec Name	ct Parliame	ent Hill		Project 1522	ct No.		Co-ords: -	Date 29-03-2016
Locati	ion: Comdon			1022			Dimensions	Scale
LUCAL	ion. Camuen	I					(m):	1:15
Client	:: Farrans	Construct	tion				2.00	Logged TC
ter ke	Sample	es and In	Situ Testing	Depth	Level	legend	Stratum Description	
Water	Sample Depth 0.30 - 0.40 0.80 - 0.90	Type Type D	Situ Testing Results PID=0 PID=1	Depth (m) 0.33 0.40	Level (m)		Instruction Instruction Dark brown slightly sandy slightly gravelly silt, subangular to subrounded fine to coarse flint, brequent rootlets. Occasional decaying plant m (TOPSOIL) Grey fine to coarse sand. (MADE GROUND) Soft to firm light brown mottled black slightly greated black slightly greated black slightly greated black and rare chalk. Occasional large root decaying organic matter. (MADE GROUND) Soft to firm light brown mottled black slightly greated black and rare chalk. Occasional large root decaying organic matter. (MADE GROUND)	Gravel is rick. aatter.
								3 -
Rema Stabil	irks: Oily s	sheen on v	water. Strong sme	Il of oil/dies	sel.	I	1	L U S T R E C ON SULTING

FOUNDATION INSPECTION PIT TP1: WILLIAM ELLIS SCHOOL, REAR OF MAIN BUILDING BY PLAYGROUND



CAMDEN

Designed by Approved by тс JM

1522 002 Date **MARCH 2016**

to author.

Extent of excavator reach at 2.18m bgl, thickness of concrete footing not proved CONSULTING

LUSTRE

Lustre Consulting Limited Kent ME4 4TZ

t: 01634 757 705 e: info@lustreconsulting.com w: lustreconsulting.co.uk

FOUNDATION INSPECTION PIT TP2: WILLIAM ELLIS SCHOOL, REAR OF MAIN BUILDING BY GYM 9UNDER CANOPEE



Client / Project	Drawing Title	Project Number	Notes		Lustre Consulting Limited
FARRANS CONSTRUCTION	FOUNDATION INSPECTION	1522	Do not scale from this drawing.		The Historic Dockyard
PARLIAMENT HILL,		Drawing Number	Report all errors and omissions		Kent
CAMDEN		1522_003	to author. Extent of hand pitting capability.		ME4 4TZ
	Designed by Approved by	Date			t: 01634 757 705
	ТС ЈМ	MARCH 2016			w: lustreconsulting.co.uk

FOUNDATION INSPECTION PIT TP3: WILLIAM ELLIS SCHOOL, FRONT OF BUILDING NEAR ENTRANCE



Client / Project	Drawing Title	Project Number	Notes		Lustre Consulting Limited
FARRANS CONSTRUCTION	FOUNDATION INSPECTION	1522	Do not scale from this drawing.		The Historic Dockyard
PARLIAMENT HILL,		Drawing Number	Report all errors and omissions		Kent
CAMDEN Designed by Approved by TC JM		1522 004	to author.		ME4 4TZ
			LUJIKE	t: 01634 757 705	
	тс јм	Date		CONSULTING	e: info@lustreconsulting.com
		MARCH 2016			w: lustreconsulting.co.uk

FOUNDATION INSPECTION PIT TP4:

COURT-YARD



FOUNDATION INSPECTION PIT TP5: SOUTH ELEVATION OF WILLIAM ELLIS SCHOOL



Drawing Number 1522_006 Designed by Approved by Date

APRIL 2016

PIT

AR

JM

PARLIAMENT HILL,

CAMDEN

Approximate positions only. Report all errors and omissions

to author.



Admiral's Offices The Historic Dockyard Chatham Kent ME4 4TZ

t: 01634 757 705 e: info@lustreconsulting.com w: lustreconsulting.co.uk

FOUNDATION INSPECTION PIT TP6:

PARLIAMENT HILL SCHOOL, ALLEYWAY BETWEEN WILLIAM ELLIS SCHOOL



Client / Project	Drawing Title		Project Number	Notes		Lustre Consulting Limited
FARRANS CONSTRUCTION	FOUNDATION INSPECTION		1522	Do not scale from this drawing. Approximate positions only. Report all errors and omissions	\checkmark	The Historic Dockyard Chatham Kent
PARLIAMENT HILL, CAMDEN			Drawing Number			
		Approved by JM	1522 007	to author.	LUSTRE CONSULTING	ME4 4TZ
	Designed by		Date			t: 01634 757 705 e: info@lustreconsulting.com
	тс					
			MARCH 2016			w: lustreconsulting.co.uk

FOUNDATION INSPECTION PIT TP7: PARLIAMENT HILL SCHOOL, REAR OF MAIN BUILDING BY CAR PARK



Client / Project	Drawing Title		Project Number	Notes		Lustre Consulting Limited
FARRANS CONSTRUCTION	FOUNDATION INSPECTION		1522	Do not scale from this drawing.		The Historic Dockyard
PARLIAMENT HILL,			Drawing Number	Report all errors and omissions		Kent
CAMDEN	_	igned by Approved by	1522_008	to author.	LUSTRE CONSULTING	ME4 4TZ
	TC JM		Date			t: 01634 757 705 e: info@lustreconsulting.com w: lustreconsulting.co.uk
		JM	MARCH 2016			

FOUNDATION INSPECTION PIT TP10:

PARLIAMENT HILL SCHOOL, NEW BUILDING BY CAR PARK



Сі	ient / Project	Drawing Title		Project Number	Notes		Lustre Consulting Limited
FA	RRANS CONSTRUCTION		INSPECTION	1522	Do not scale from this drawing.		The Historic Dockyard
PA	ARLIAMENT HILL,	FII		Drawing Number	Report all errors and omissions		Kent
	AMDEN	Designed by Approved by	1522_009	to author.	LUSTRE	ME4 4TZ	
		TC		Date		CONSULTING	t: 01634 757 705 e: info@lustreconsulting.com
		10	UNI	MARCH 2016			w: lustreconsulting.co.uk

FOUNDATION INSPECTION PIT TP11:

PARLIAMENT HILL SCHOOL, REAR OF NEW BUILDING



Client / Project	Drawing Title	Project Number	Notes		Lustre Consulting Limited
FARRANS CONSTRUCTION	FOUNDATION INSPECTION	1522	Do not scale from this drawing.		The Historic Dockyard
PARLIAMENT HILL,		Drawing Number	Report all errors and omissions		Kent
CAMDEN		1522_010	to author.	LUSTRE	ME4 4TZ
	Designed by Approved by				t: 01634 757 705
	тс лм	Date		CONSULTING	e: info@lustreconsulting.com
		MARCH 2016			w: lustreconsulting.co.uk
FOUNDATION INSPECTION PIT TP12:

PARLIAMENT HILL SCHOOL, NEW BUILDING UNDER SHELTERED FOOTPATH



Client / Project	Drawing Title		Project Number	Notes		Lustre Consulting Limited
FARRANS CONSTRUCTION	FOUNDATION I	NSPECTION	1522	Do not scale from this drawing.		The Historic Dockyard
PARLIAMENT HILL,			Drawing Number	Report all errors and omissions	\prec	Kent
CAMDEN	Designed by Approved by	1522_011		LUSTRE	ME4 41Z	
	тс	JM	Date		CONSULTING	e: info@lustreconsulting.com
			MARCH 2016			w: lustreconsulting.co.uk

FOUNDATION INSPECTION PIT TP13:

PARLIAMENT HILL SCHOOL, CORNER OF REAR BUILDING NEAR STAIRWELL



Client / Project FARRANS CONSTRUCTION PARLIAMENT HILL, CAMDEN	Drawing Title FOUNDATION INSPECTION PIT	Project Number 1522 Drawing Number	Notes Do not scale from this drawing. Approximate positions only. Report all errors and omissions to author.	\swarrow	Lustre Consulting Limited Admiral's Offices The Historic Dockyard Chatham Kent ME4 4TZ	
	Designed byApproved byTCJM	1522_012 Date MARCH 2016		LUSTRE CONSULTING	ME4 4TZ t: 01634 757 705 e: info@lustreconsulting.cor w: lustreconsulting.co.uk	

APPENDIX C: LABORATORY TEST CERTIFICATES



Amy Khan Lustre Consulting Ltd Admiral's Offices The Historic Dockyard Chatham Kent ME4 4TZ



QTS Environmental Ltd Unit 1 Rose Lane Industrial Estate Rose Lane Lenham Heath Kent ME17 2JN t: 01622 850410 russell.jarvis@qtsenvironmental.com

QTS Environmental Report No: 16-42840

Site Reference:	Parliment Hill Camden
Site Reference.	r annihent min Camuer

Project / Job Ref: 1522

Order No: 1522

Sample Receipt Date: 01/04/2016

Sample Scheduled Date: 12/04/2016

Report Issue Number: 1

Reporting Date: 19/04/2016

Authorised by:

Russell Jarvis

Associate Director of Client Services On behalf of QTS Environmental Ltd Authorised by:

KOL Kevin Old Associate Director of Laboratory

On behalf of QTS Environmental Ltd





Soil Analysis Certificate						
QTS Environmental Report No: 16-42840	Date Sampled	30/03/16	30/03/16	30/03/16	30/03/16	30/03/16
Lustre Consulting Ltd	Time Sampled	None Supplied				
Site Reference: Parliment Hill Camden	TP / BH No	BH01	BH01	BH01	BH02	BH02
						1
Project / Job Ref: 1522	Additional Refs	MG	NAT	NAT	MG	MG
Order No: 1522	Depth (m)	0.30	2.30	8.00	0.10	0.50 - 0.60
Reporting Date: 19/04/2016	QTSE Sample No	201114	201115	201116	201117	201118

Determinand	Unit	RL	Accreditation					
Asbestos Screen	N/a	N/a	ISO17025	Not Detected	Not Detected		Not Detected	Not Detected
pH	pH Units	N/a	MCERTS	8.0	7.8	7.9	7.9	7.8
Total Cyanide	mg/kg	< 2	NONE	< 2	< 2		< 2	< 2
Total Sulphate as SO ₄	mg/kg	< 200	NONE			788		
Total Sulphate as SO ₄	%	< 0.02	NONE			0.08		
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	42	121	2920	237	46
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.04	0.12	2.92	0.24	0.05
Total Sulphur	%	< 0.02	NONE			0.02		
Total Organic Carbon (TOC)	%	< 0.1	MCERTS	7.1	0.4		8.5	1.4
Ammonium as NH ₄	mg/kg	< 0.5	NONE			33.7		
Ammonium as NH ₄	mg/l	< 0.05	NONE			3.37		
W/S Chloride (2:1)	mg/kg	< 1	MCERTS			111		
W/S Chloride (2:1)	mg/l	< 0.5	MCERTS			55.6		
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	< 3	MCERTS			< 3		
Water Soluble Nitrate (2:1) as NO ₃	mg/l	< 1.5	MCERTS			< 1.5		
Arsenic (As)	mg/kg	< 2	MCERTS	6	9		9	14
W/S Boron	mg/kg	< 1	NONE	< 1	< 1		< 1	< 1
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.2	< 0.2		< 0.2	< 0.2
Chromium (Cr)	mg/kg	< 2	MCERTS	19	49		23	35
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2		< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS	53	17		29	55
Lead (Pb)	mg/kg	< 3	MCERTS	17	12		140	349
W/S Magnesium	mg/l	< 0.1	NONE			190		
Mercury (Hg)	mg/kg	< 1	NONE	< 1	< 1		< 1	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	21	38		13	17
Selenium (Se)	mg/kg	< 3	NONE	< 3	< 3		< 3	< 3
Zinc (Zn)	mg/kg	< 3	MCERTS	60	65		119	83
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2		< 2	< 2

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30° C Analysis carried out on the dried sample is corrected for the stone content

The samples have been examined to identify the presence of asbestiform minerals by polarising light microscopy and dispersion staining technique to In-House Procedures QTSE600 Determination of Asbestos in Bulk Materials; Asbestos in Soils/Sediments (fibre screening and identification)

This report refers to samples as received, and QTS Environmental Ltd, takes no responsibility for the accuracy or competence of sampling by others.

The material description shall be regarded as tentative and is not included in our scope of UKAS Accreditation. Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

Asbestos Analyst: Marcus Jones

RL: Reporting Limit

Pinch Test: Where pinch test is positive it is reported "Loose Fibres - PT" with type(s). Subcontracted analysis $^{\rm (S)}$





Soil Analysis Certificate						
QTS Environmental Report No: 16-42840	Date Sampled	30/03/16	30/03/16	30/03/16	31/03/16	30/03/16
Lustre Consulting Ltd	Time Sampled	None Supplied				
Site Reference: Parliment Hill Camden	TP / BH No	BH02	BH02	BH03	BH04	BH05
Project / Job Ref: 1522	Additional Refs	NAT	NAT	NAT	MG	MG
Order No: 1522	Depth (m)	1.50 - 1.60	3.20 - 3.30	2.20 - 2.30	0.40 - 0.50	0.40 - 0.50
Reporting Date: 19/04/2016	QTSE Sample No	201119	201120	201121	201122	201123

Determinand	Unit	RL	Accreditation					
Asbestos Screen	N/a	N/a	ISO17025			Not Detected	Not Detected	Not Detected
pH	pH Units	N/a	MCERTS	7.8	7.9	7.8	8.8	7.8
Total Cyanide	mg/kg	< 2	NONE			< 2	< 2	< 2
Total Sulphate as SO ₄	mg/kg	< 200	NONE	340	15210			
Total Sulphate as SO ₄	%	< 0.02	NONE	0.03	1.52			
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	29	33	30	846	41
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.03	0.03	0.03	0.85	0.04
Total Sulphur	%	< 0.02	NONE	< 0.02	0.65			
Total Organic Carbon (TOC)	%	< 0.1	MCERTS			0.7	0.6	2
Ammonium as NH ₄	mg/kg	< 0.5	NONE	76.4	31.3			
Ammonium as NH ₄	mg/l	< 0.05	NONE	7.64	3.13			
W/S Chloride (2:1)	mg/kg	< 1	MCERTS	54	53			
W/S Chloride (2:1)	mg/l	< 0.5	MCERTS	27.1	26.3			
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	< 3	MCERTS	< 3	< 3			
Water Soluble Nitrate (2:1) as NO ₃	mg/l	< 1.5	MCERTS	< 1.5	< 1.5			
Arsenic (As)	mg/kg	< 2	MCERTS			13	10	16
W/S Boron	mg/kg	< 1	NONE			< 1	< 1	< 1
Cadmium (Cd)	mg/kg	< 0.2	MCERTS			< 0.2	< 0.2	< 0.2
Chromium (Cr)	mg/kg	< 2	MCERTS			48	17	30
Chromium (hexavalent)	mg/kg	< 2	NONE			< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS			12	16	71
Lead (Pb)	mg/kg	< 3	MCERTS			14	329	270
W/S Magnesium	mg/l	< 0.1	NONE	3.8	100			
Mercury (Hg)	mg/kg	< 1	NONE			< 1	< 1	1.6
Nickel (Ni)	mg/kg	< 3	MCERTS			14	11	19
Selenium (Se)	mg/kg	< 3	NONE			< 3	< 3	< 3
Zinc (Zn)	mg/kg	< 3	MCERTS			54	44	101
Total Phenols (monohydric)	mg/kg	< 2	NONE			< 2	< 2	< 2

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30° C Analysis carried out on the dried sample is corrected for the stone content

The samples have been examined to the form the presence of asbestform minerals by polarising light microscopy and dispersion staining technique to In-House Procedures QTSE600 Determination of Asbestos in Bulk Materials; Asbestos in Soils/Sediments (fibre screening and identification)

This report refers to samples as received, and QTS Environmental Ltd, takes no responsibility for the accuracy or competence of sampling by others. The material description shall be regarded as tentative and is not included in our scope of UKAS Accreditation. Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

Asbestos Analyst: Marcus Jones

RL: Reporting Limit

That topool and the product of the point test is positive it is reported "Loose Fibres - PT" with type(s). Subcontracted analysis $^{\rm (S)}$





Soil Analysis Certificate						
QTS Environmental Report No: 16-42840	Date Sampled	30/03/16	29/03/16	31/03/16	29/03/16	29/03/16
Lustre Consulting Ltd	Time Sampled	None Supplied				
Site Reference: Parliment Hill Camden	TP / BH No	BH05	BH07	BH08	BH09	BH09
						1
Project / Job Ref: 1522	Additional Refs	NAT	NAT	MG	MG	NAT
Order No: 1522	Depth (m)	3.40 - 3.50	4.30 - 4.40	0.50 - 0.60	0.90 - 1.00	2.00 - 2.10
Reporting Date: 19/04/2016	QTSE Sample No	201124	201125	201126	201127	201128

Determinand	Unit	RL	Accreditation					
Asbestos Screen	N/a	N/a	IS017025			Not Detected	Not Detected	Not Detected
pH	pH Units	N/a	MCERTS	7.8	7.9	8.1	7.4	7.8
Total Cyanide	mg/kg	< 2	NONE			< 2	< 2	< 2
Total Sulphate as SO ₄	mg/kg	< 200	NONE	5239	6277			
Total Sulphate as SO ₄	%	< 0.02	NONE	0.52	0.63			
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	2410	2630	209	42	2540
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	2.41	2.63	0.21	0.04	2.54
Total Sulphur	%	< 0.02	NONE	0.19	0.23			
Total Organic Carbon (TOC)	%	< 0.1	MCERTS			2.1	1.5	0.5
Ammonium as NH ₄	mg/kg	< 0.5	NONE	27.5	27.8			
Ammonium as NH ₄	mg/l	< 0.05	NONE	2.75	2.78			
W/S Chloride (2:1)	mg/kg	< 1	MCERTS	119	119			
W/S Chloride (2:1)	mg/l	< 0.5	MCERTS	59.3	59.7			
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	< 3	MCERTS	< 3	< 3			
Water Soluble Nitrate (2:1) as NO ₃	mg/l	< 1.5	MCERTS	< 1.5	< 1.5			
Arsenic (As)	mg/kg	< 2	MCERTS			13	16	11
W/S Boron	mg/kg	< 1	NONE			< 1	< 1	< 1
Cadmium (Cd)	mg/kg	< 0.2	MCERTS			< 0.2	< 0.2	< 0.2
Chromium (Cr)	mg/kg	< 2	MCERTS			20	33	41
Chromium (hexavalent)	mg/kg	< 2	NONE			< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS			25	46	21
Lead (Pb)	mg/kg	< 3	MCERTS			479	310	18
W/S Magnesium	mg/l	< 0.1	NONE	150	200			
Mercury (Hg)	mg/kg	< 1	NONE			< 1	1.2	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS			14	26	30
Selenium (Se)	mg/kg	< 3	NONE			< 3	< 3	< 3
Zinc (Zn)	mg/kg	< 3	MCERTS			70	104	66
Total Phenols (monohydric)	mg/kg	< 2	NONE			< 2	< 2	< 2

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30° C Analysis carried out on the dried sample is corrected for the stone content

The samples have been examined to identify the presence of asbestiform minerals by polarising light microscopy and dispersion staining technique to In-House Procedures QTSE600 Determination of Asbestos in Bulk Materials; Asbestos in Soils/Sediments (fibre screening and identification)

This report refers to samples as received, and QTS Environmental Ltd, takes no responsibility for the accuracy or competence of sampling by others. The material description shall be regarded as tentative and is not included in our scope of UKAS Accreditation. Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

Asbestos Analyst: Marcus Jones

RL: Reporting Limit

Pinch Test: Where pinch test is positive it is reported "Loose Fibres - PT" with type(s). Subcontracted analysis ^(S)





Soil Analysis Certificate						
QTS Environmental Report No: 16-42840	Date Sampled	29/03/16	31/03/16	31/03/16	30/03/16	29/03/16
Lustre Consulting Ltd	Time Sampled	None Supplied				
Site Reference: Parliment Hill Camden	TP / BH No	BH09	TP02	TP02	TP06	TP12
Project / Job Ref: 1522	Additional Refs	NAT	MG	MG	MG	MG
Order No: 1522	Depth (m)	3.20 - 3.30	0.20 - 0.30	1.20 - 1.30	0.80 - 0.90	0.30 - 0.40
Reporting Date: 19/04/2016	QTSE Sample No	201129	201130	201131	201132	201133

Determinand	Unit	RL	Accreditation					
Asbestos Screen	N/a	N/a	IS017025	Not Detected				
pH	pH Units	N/a	MCERTS	7.7	7.9	7.9	8.0	8.2
Total Cyanide	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
Total Sulphate as SO ₄	mg/kg	< 200	NONE					
Total Sulphate as SO ₄	%	< 0.02	NONE					
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	2580	301	95	93	1640
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	2.58	0.30	0.10	0.09	1.64
Total Sulphur	%	< 0.02	NONE					
Total Organic Carbon (TOC)	%	< 0.1	MCERTS	0.2	7.6	0.8	0.6	1
Ammonium as NH ₄	mg/kg	< 0.5	NONE					
Ammonium as NH ₄	mg/l	< 0.05	NONE					
W/S Chloride (2:1)	mg/kg	< 1	MCERTS					
W/S Chloride (2:1)	mg/l	< 0.5	MCERTS					
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	< 3	MCERTS					
Water Soluble Nitrate (2:1) as NO ₃	mg/l	< 1.5	MCERTS					
Arsenic (As)	mg/kg	< 2	MCERTS	12	8	10	17	8
W/S Boron	mg/kg	< 1	NONE	< 1	< 1	< 1	1.2	1.4
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (Cr)	mg/kg	< 2	MCERTS	52	11	40	44	16
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS	21	49	24	23	18
Lead (Pb)	mg/kg	< 3	MCERTS	13	1020	104	48	83
W/S Magnesium	mg/l	< 0.1	NONE					
Mercury (Hg)	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	32	10	25	29	7
Selenium (Se)	mg/kg	< 3	NONE	< 3	< 3	< 3	< 3	< 3
Zinc (Zn)	mg/kg	< 3	MCERTS	70	317	109	89	82
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30° C Analysis carried out on the dried sample is corrected for the stone content

The samples have been examined to identify the presence of asbestiform minerals by polarising light microscopy and dispersion staining technique to In-House Procedures QTSE600 Determination of Asbestos in Bulk Materials; Asbestos in Soils/Sediments (fibre screening and identification)

This report refers to samples as received, and QTS Environmental Ltd, takes no responsibility for the accuracy or competence of sampling by others.

The material description shall be regarded as tentative and is not included in our scope of UKAS Accreditation. Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

Asbestos Analyst: Marcus Jones

RL: Reporting Limit

Pinch Test: Where pinch test is positive it is reported "Loose Fibres - PT" with type(s). Subcontracted analysis $^{\rm (S)}$





Soil Analysis Certificate	- Speciated PAHs							
QTS Environmental Repor	t No: 16-42840		Date Sampled	30/03/16	30/03/16	30/03/16	30/03/16	30/03/16
Lustre Consulting Ltd		Time Sampled		None Supplied				
Site Reference: Parliment	t Hill Camden	TP / BH No		BH01	BH01	BH02	BH02	BH03
Project / Job Ref: 1522			Additional Refs	MG	NAT	MG	MG	NAT
Order No: 1522			Depth (m)	0.30	2.30	0.10	0.50 - 0.60	2.20 - 2.30
Reporting Date: 19/04/2	016	Q	TSE Sample No	201114	201115	201117	201118	201121
		_						
Determinand	Unit	RL	Accreditation					
Naphthalene	mg/kg	< 0.1	MCERTS	0.35	< 0.1	0.30	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	0.25	< 0.1	0.40	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	1.53	< 0.1	2.02	< 0.1	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	1.62	< 0.1	1.19	< 0.1	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	18.30	< 0.1	27.20	< 0.1	< 0.1
Anthracene	mg/kg	< 0.1	MCERTS	4.20	< 0.1	6.85	< 0.1	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	25.60	< 0.1	59.40	< 0.1	< 0.1
Pyrene	mg/kg	< 0.1	MCERTS	21.10	< 0.1	53	< 0.1	< 0.1
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	7.91	< 0.1	22.90	< 0.1	< 0.1
Chrysene	mg/kg	< 0.1	MCERTS	7.07	< 0.1	21.80	< 0.1	< 0.1
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	8.94	< 0.1	29.30	< 0.1	< 0.1
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	2.89	< 0.1	9.88	< 0.1	< 0.1
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	6.73	< 0.1	20.70	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	3.71	< 0.1	11.70	< 0.1	< 0.1
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	0.72	< 0.1	2.11	< 0.1	< 0.1
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	3.26	< 0.1	10.20	< 0.1	< 0.1
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	114	< 1.6	279	< 1.6	< 1.6





Soil Analysis Certificate	- Speciated PAHs							
QTS Environmental Repor	t No: 16-42840		Date Sampled	31/03/16	30/03/16	31/03/16	29/03/16	29/03/16
Lustre Consulting Ltd			Time Sampled	None Supplied				
Site Reference: Parliment Hill Camden			TP / BH No	BH04	BH05	BH08	BH09	BH09
Project / Job Ref: 1522			Additional Refs	MG	MG	MG	MG	NAT
Order No: 1522			Depth (m)	0.40 - 0.50	0.40 - 0.50	0.50 - 0.60	0.90 - 1.00	2.00 - 2.10
Reporting Date: 19/04/2	016	Q	TSE Sample No	201122	201123	201126	201127	201128
Determinand	Unit	RL	Accreditation	T			-	
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.19	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.27	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	1.67	< 0.1	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	1.36	< 0.1	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	0.59	< 0.1	10.30	< 0.1	< 0.1
Anthracene	mg/kg	< 0.1	MCERTS	0.13	< 0.1	4.17	< 0.1	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	0.91	< 0.1	44.30	< 0.1	< 0.1
Pyrene	mg/kg	< 0.1	MCERTS	0.82	< 0.1	42.60	< 0.1	< 0.1
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	0.41	< 0.1	20.10	< 0.1	< 0.1
Chrysene	mg/kg	< 0.1	MCERTS	0.48	< 0.1	22.40	< 0.1	< 0.1
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	0.66	< 0.1	24	< 0.1	< 0.1
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	0.23	< 0.1	9.01	< 0.1	< 0.1
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	0.47	< 0.1	14.40	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	0.33	< 0.1	8.82	< 0.1	< 0.1
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	1.07	< 0.1	< 0.1
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	0.38	< 0.1	7.45	< 0.1	< 0.1
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	5.4	< 1.6	212	< 1.6	< 1.6





Soil Analysis Certificate	- Speciated PAHs							
QTS Environmental Repor	t No: 16-42840		Date Sampled	29/03/16	31/03/16	31/03/16	30/03/16	29/03/16
Lustre Consulting Ltd			Time Sampled	None Supplied				
Site Reference: Parliment Hill Camden			TP / BH No	BH09	TP02	TP02	TP06	TP12
Project / Job Ref: 1522			Additional Refs	NAT	MG	MG	MG	MG
Order No: 1522			Depth (m)	3.20 - 3.30	0.20 - 0.30	1.20 - 1.30	0.80 - 0.90	0.30 - 0.40
Reporting Date: 19/04/2	016	Q	TSE Sample No	201129	201130	201131	201132	201133
Determinand	Unit	RL	Accreditation					
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	0.46	< 0.1	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	0.55	< 0.1	< 0.1	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	0.56	< 0.1	< 0.1	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	< 0.1	10.70	0.28	0.22	0.89
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	2.90	< 0.1	< 0.1	0.25
Fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	23.70	0.75	0.53	2.89
Pyrene	mg/kg	< 0.1	MCERTS	< 0.1	20.10	0.65	0.48	2.52
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	8.81	0.31	0.25	1.42
Chrysene	mg/kg	< 0.1	MCERTS	< 0.1	10.50	0.34	0.26	1.48
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	8.38	0.45	0.40	2.03
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	6.53	0.18	< 0.1	0.85
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	6.41	0.28	0.25	1.75
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	3.23	0.20	0.21	1.06
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	0.31	< 0.1	< 0.1	0.13
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1	3.01	0.16	0.19	1.04
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6	106	3.6	2.8	16.3





Soil Analysis Certificate	- TPH CWG Bande	d						
QTS Environmental Repor	t No: 16-42840		Date Sampled	30/03/16	30/03/16	30/03/16	30/03/16	30/03/16
Lustre Consulting Ltd			Time Sampled	None Supplied				
Site Reference: Parliment Hill Camden			TP / BH No	BH01	BH01	BH02	BH02	BH03
Project / Job Ref: 1522	ct / Job Ref: 1522 Additional Refs MG NAT MG MG					MG	NAT	
Order No: 1522			Depth (m)	0.30	2.30	0.10	0.50 - 0.60	2.20 - 2.30
Reporting Date: 19/04/2	016	Q	TSE Sample No	201114	201115	201117	201118	201121
Determinand	Unit	RL	Accreditation					
Aliphatic >C5 - C6	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C21 - C34	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C34)	mg/kg	< 21	NONE	< 21	< 21	< 21	< 21	< 21
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16	mg/kg	< 2	MCERTS	14	< 2	< 2	< 2	< 2
Aromatic >C16 - C21	mg/kg	< 3	MCERTS	112	< 3	89	< 3	< 3
Aromatic >C21 - C35	mg/kg	< 10	MCERTS	141	< 10	332	< 10	< 10
Aromatic (C5 - C35)	mg/kg	< 21	NONE	266	< 21	421	< 21	< 21
Total >C5 - C35	mg/kg	< 42	NONE	266	< 42	421	< 42	< 42





Soli Analysis Certificate	- TPH CWG Bande	a						
QTS Environmental Repor	t No: 16-42840		Date Sampled	31/03/16	30/03/16	31/03/16	29/03/16	29/03/16
Lustre Consulting Ltd			Time Sampled	None Supplied				
Site Reference: Parliment	t Hill Camden	TP / BH No		BH04	BH05	BH08	BH09	BH09
Project / Job Ref: 1522	Additional Refs MG MG					NAT		
Order No: 1522			Depth (m)	0.40 - 0.50	0.40 - 0.50	0.50 - 0.60	0.90 - 1.00	2.00 - 2.10
Reporting Date: 19/04/2	016	Q	TSE Sample No	201122	201123	201126	201127	201128
Determinand	Unit	RI	Accreditation					
Aliphatic >C5 - C6	ma/ka	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C21 - C34	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C34)	mg/kg	< 21	NONE	< 21	< 21	< 21	< 21	< 21
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16	mg/kg	< 2	MCERTS	< 2	< 2	18	< 2	< 2
Aromatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3	181	< 3	< 3
Aromatic >C21 - C35	mg/kg	< 10	MCERTS	< 10	< 10	448	< 10	< 10
Aromatic (C5 - C35)	mg/kg	< 21	NONE	< 21	< 21	647	< 21	< 21
Total >C5 - C35	mg/kg	< 42	NONE	< 42	< 42	647	< 42	< 42





Soil Analysis Certificate	- TPH CWG Bande	d						
QTS Environmental Repor	t No: 16-42840		Date Sampled	29/03/16	31/03/16	31/03/16	30/03/16	29/03/16
Lustre Consulting Ltd			Time Sampled	None Supplied				
Site Reference: Parliment	t Hill Camden		TP / BH No	BH09	TP02	TP02	TP06	TP12
Project / Job Ref: 1522			Additional Refs	NAT	MG	MG	MG	MG
Order No: 1522			Depth (m)	3.20 - 3.30	0.20 - 0.30	1.20 - 1.30	0.80 - 0.90	0.30 - 0.40
Reporting Date: 19/04/2	016	Q	TSE Sample No	201129	201130	201131	201132	201133
Determinand	Unit	RL	Accreditation					
Aliphatic >C5 - C6	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	10	< 3	< 3	< 3
Aliphatic >C21 - C34	mg/kg	< 10	MCERTS	< 10	147	< 10	< 10	< 10
Aliphatic (C5 - C34)	mg/kg	< 21	NONE	< 21	157	< 21	< 21	< 21
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	70	< 3	< 3	10
Aromatic >C21 - C35	mg/kg	< 10	MCERTS	< 10	730	< 10	< 10	43
Aromatic (C5 - C35)	mg/kg	< 21	NONE	< 21	800	< 21	< 21	53
Total >C5 - C35	mg/kg	< 42	NONE	< 42	956	< 42	< 42	53





Soil Analysis Certificate	- BTEX / MTBE							
QTS Environmental Repor	t No: 16-42840		Date Sampled	30/03/16	30/03/16	30/03/16	30/03/16	30/03/16
Lustre Consulting Ltd			Time Sampled	None Supplied				
Site Reference: Parliment	t Hill Camden		TP / BH No	BH01	BH01	BH02	BH02	BH03
Project / Job Ref: 1522		1	Additional Refs	MG	NAT	MG	MG	NAT
Order No: 1522			Depth (m)	0.30	2.30	0.10	0.50 - 0.60	2.20 - 2.30
Reporting Date: 19/04/2016 QT			TSE Sample No	201114	201115	201117	201118	201121
Determinand	Unit	RL	Accreditation					
Benzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
o-xylene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE	ua/ka	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5





Soil Analysis Certificate	- BTEX / MTBE							
QTS Environmental Report	t No: 16-42840		Date Sampled	31/03/16	30/03/16	31/03/16	29/03/16	29/03/16
Lustre Consulting Ltd			Time Sampled	None Supplied				
Site Reference: Parliment		TP / BH No	BH04	BH05	BH08	BH09	BH09	
Project / Job Ref: 1522			Additional Refs	MG	MG	MG	MG	NAT
Order No: 1522			Depth (m)	0.40 - 0.50	0.40 - 0.50	0.50 - 0.60	0.90 - 1.00	2.00 - 2.10
Reporting Date: 19/04/2016			TSE Sample No	201122	201123	201126	201127	201128
Determinand	Unit	RL	Accreditation					
Benzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
o-xylene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE	ua/ka	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5





Soil Analysis Certificate	- BTEX / MTBE							
QTS Environmental Repor	t No: 16-42840		Date Sampled	29/03/16	31/03/16	31/03/16	30/03/16	29/03/16
Lustre Consulting Ltd			Time Sampled	None Supplied				
Site Reference: Parliment		TP / BH No	BH09	TP02	TP02	TP06	TP12	
Project / Job Ref: 1522		Additional Refs	NAT	MG	MG	MG	MG	
Order No: 1522			Depth (m)	3.20 - 3.30	0.20 - 0.30	1.20 - 1.30	0.80 - 0.90	0.30 - 0.40
Reporting Date: 19/04/2016 (TSE Sample No	201129	201130	201131	201132	201133
Determinand	Unit	RL	Accreditation					
Benzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
o-xylene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE	ua/ka	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5





Soil Analysis Certificate - Sample Descriptions	
QTS Environmental Report No: 16-42840	
Lustre Consulting Ltd	
Site Reference: Parliment Hill Camden	
Project / Job Ref: 1522	
Order No: 1522	
Reporting Date: 19/04/2016	

OTSE Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture	Sample Matrix Description
4				Content (%)	··· •·· •·· •··
\$ 201114	BH01	MG	0.30	12.4	Black sandy clay with concrete
\$ 201115	BH01	NAT	2.30	20.6	Light brown clay
\$ 201116	BH01	NAT	8.00	19	Brown clay
&\$ 201117	BH02	MG	0.10	10.2	Black sandy clay with brick and concrete
\$ 201118	BH02	MG	0.50 - 0.60	21.1	Brown clay
\$ 201119	BH02	NAT	1.50 - 1.60	25.1	Brown clay
\$ 201120	BH02	NAT	3.20 - 3.30	22.5	Brown clay
&\$ 201121	BH03	NAT	2.20 - 2.30	24.5	Brown clay
\$ 201122	BH04	MG	0.40 - 0.50	11.1	Light brown sand with brick and concrete
\$ 201123	BH05	MG	0.40 - 0.50	16.2	Brown clay with vegetation and brick
\$ 201124	BH05	NAT	3.40 - 3.50	18.2	Light brown clay
\$ 201125	BH07	NAT	4.30 - 4.40	20.9	Light brown clay
\$ 201126	BH08	MG	0.50 - 0.60	12.1	Grey sandy clay with brick and concrete
\$ 201127	BH09	MG	0.90 - 1.00	20.6	Brown clay with brick
\$ 201128	BH09	NAT	2.00 - 2.10	19.5	Light brown clay
&\$ 201129	BH09	NAT	3.20 - 3.30	21.7	Light brown clay
\$ 201130	TP02	MG	0.20 - 0.30	8	Black sandy clay with concrete and coal
\$ 201131	TP02	MG	1.20 - 1.30	25.1	Brown clay with brick
\$ 201132	TP06	MG	0.80 - 0.90	24.2	Brown clay
\$ 201133	TP12	MG	0.30 - 0.40	8.1	Light grey sandy clay

Moisture content is part of procedure E003 & is not an accredited test Insufficient Sample^{1/5} & samples received in inappropriate containers for hydrocarbon analysis

\$ samples exceeded recommended holding times





Soil Analysis Certificate - Methodology & Miscellaneous Information
QTS Environmental Report No: 16-42840
Lustre Consulting Ltd
Site Reference: Parliment Hill Camden
Project / Job Ref: 1522
Order No: 1522
Reporting Date: 19/04/2016

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by agua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1.5 diphenvlcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 – C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Coil	AD	EPH TEXAS (C6-C8, C8-C10, C10-C12,	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by	E004
5011	AK	C12-C16, C16-C21, C21-C40)	headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soll	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-DES	E014
50II Coil	AK	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	AR	SVOC	Determination of total sulphur by extraction with adua-regia followed by ICP-OES Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by	E024
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of forrig pitrate followed by coloringtry	E017
Soil	D	Toluene Extractable Matter (TEM)	audition of reme fill ale followed by colorified y Gravimetrically determined through extraction with toluene	F011
3011	D		Determination of organic matter by ovidising with potassium dichromate followed by titration with	LUII
Soil	D	Total Organic Carbon (TOC)	iron (II) sulphate	E010
Soil	AR	TPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

D Dried

AR As Received

Our Ref: EFS/163252 (Ver. 1) Your Ref: 1519

May 4, 2016



Environmental Chemistry

ESG Bretby Business Park Ashby Road Burton-on-Trent Staffordshire DE15 0YZ

Telephone: 01283 554400 Facsimile: 01283 554422

James May Lustre Consulting The Historic Dockyard Chatham Kent ME4 4TZ

For the attention of James May

Dear James May

Sample Analysis - 1519 - Parliament Hill, Camden

Samples from the above site have been analysed in accordance with the schedule supplied. The sample details and the results of analyses for these samples are given in the appended report.

An invoice for this work will follow under a separate cover.

Where appropriate the samples will be kept until 03/06/16 when they will be discarded. Please call 01283 554458 for an extension of this date.

Please be aware that our policy for the retention of paper based laboratory records and analysis reports is 6 years.

The work was carried out in accordance with Environmental Scientifics Group Ltd (Multi-Sector Services) Standard Terms and Conditions of Contract.

If I can be of any further assistance please do not hesitate to contact me.

Yours sincerely

for ESG

ridate

J Chislett <u>Project Co-ordinator</u> 01283 554458

TEST REPORT

Report No. EFS/163252 (Ver. 1)

Lustre Consulting The Historic Dockyard Chatham Kent ME4 4TZ

Site: 1519 - Parliament Hill, Camden

The 5 samples described in this report were registered for analysis by ESG on 22-Apr-2016. This report supersedes any versions previously issued by the laboratory. The analysis was completed by: 04-May-2016

The following tables are contained in this report:

Table 1 Main Analysis Results (Page 2) Subcontracted Analysis Reports (Page 3) *The accreditation status of subcontracted analysis is displayed on the appended subcontracted analysis reports.* Analytical and Deviating Sample Overview (Page 4) Table of Method Descriptions (Page 5) Table of Report Notes (Page 6) Table of Sample Descriptions (Appendix A Page 1 of 1)

On behalf of ESG : Declan Burns

Managing Director Multi-Sector Services Date of Issue: 04-May-2016

Tests marked '^' have been subcontracted to another laboratory.

Where samples have been flagged as deviant on the Analytical and Deviating Sample Overview, for any reason, the data may not be representative of the sample at the point of sampling and the validity of the data may be affected. ESG accepts no responsibility for any sampling not carried out by our personnel.

	Un	s: %	%	%	%	%	%	%	%	%	%					
	Method Cod	s: Sub015	Sub015	Sub015	Sub015	Sub015	Sub015	Sub015	Sub015	Sub015	Sub015					
	Method Reporting Lim	s: 0.0005	0.02	0.0001	0.0005	0.0005	0.0001	0.0005	0.0005		0.0005					
LAB ID Number CL/	Client Sample Description	^Butane	^Carbon Dioxide	^Carbon Monoxide	^Ethane	^Hydrogen (Gas)	^Hydrogen Sulphide	^Iso-Butane	^ Methane	^Oxygen (Gas)	^Propane					
1613907	BH01 (1) 20-Apr	16 <0.0005	0.31	0.0010	<0.0005	<0.0005	<0.0001	<0.0005	0.0233	18.8	<0.0005					
1613908	BH03 (1) 20-Apr	16 <0.0005	2.76	0.0013	<0.0005	<0.0005	<0.0001	<0.0005	0.0013	11.5	<0.0005					
1613909	BH04 (1) 20-Apr	16 <0.0005	1.07	0.0009	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	20.0	<0.0005					
1613910	BH09 (1) 20-Apr	16 <0.0005	1.06	0.0020	<0.0005	<0.0005	<0.0001	<0.0005	<0.0005	20.0	<0.0005					
1613911	BH10 (1) 20-Apr	16 <0.0005	3.31	0.0018	<0.0005	<0.0005	<0.0001	<0.0005	0.0010	15.4	<0.0005					
	ESG 🔄	Client	Name	Lustre	Consulti av	ng						Sample Analysis				
	Bretby Business Park, Ashby Road	Jona	~		,						Date Prin	Printed 04-May-2016				
	Burton-on-Trent Staffordshire DE15.0V7							_		Report Number FES/163252						
	Tol + 44 (0) 1292 554400		1	519 - I	Parlia	ment	Hill, C	Camd	en			mhor		E	3/103232	
							,					mber			1	
	Fax +44 (0) 1283 554422															



TEST REPORT

GAS ANALYSIS

Customer: ESG - (BEC BRE), Environmental Chemistry

Date Received: 25 April 2016	Date Sample	d:								Report N ^o GA01244
Date Analysed: 29 April 2016	Site:	Lustre Cons	sulting, 1519 Parliar	nent Hill, Camden						
SAMPI F					Analysi	s % V/V				
REFERENCE	Carbon Dioxide (CO ₂)	Oxygen (O₂)	Carbon Monoxide (CO)	Hydrogen (H₂)	Hydrogen Sulphide (H₂S)†	Methane (CH₄)	Ethane (C₂H₅)	Propane (C₃Hଃ)	lso-Butane* (i-C₄H10)	n-Butane (n-C₄H10)
Method of Analysis	3	4	1	4	5	3	3	3	3	3
BH O1	0.31	18.8	0.0010	<0.0005	<0.0001	0.0233	<0.0005	<0.0005	<0.0005	<0.0005
ВН ОЗ	2.76	11.5	0.0013	<0.0005	<0.0001	0.0013	<0.0005	<0.0005	<0.0005	<0.0005
BH 04	1.07	20.0	0.0009	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
BH 09	1.06	20.0	0.0020	<0.0005	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
BH 10	3.31	15.4	0.0018	<0.0005	<0.0001	0.0010	<0.0005	<0.0005	<0.0005	<0.0005
Method of Analysis:- 1 Infr 3 G.C 4 G.C * Not I	a Red - ENV/GAS01 C. with F.I.D ENV/G C. with T.C.D ENV/G JKAS Accredited - Ca	AS03 or 09 GAS09 Iculated using h	5 G.C. with F.P	D. (Not UKAS Acc	redited) Accredited					
Customer Analytical Requiremer	nts							Authorised by		
$LU_2, U_2, UU, H_2, H_2S, UH_4, U_2H_6$, ∪ ₃ ⊓ ₈ , I-∪ ₄ H ₁₀ , N-∪ ₄	П ₁₀								

Comment Box Report No: 163252

DATE SAMPLED : 20/04/2016

Authorised by:

Rep Praal.

ESG accepts no responsibility for the collection of any of the samples referred to in this report.

Phil Shead, Operations Manager Direct Dial: 01 283 554461 Analyst: Daniel Bignell

Issue Date: 03 May 2016



Environmental Scientifics Group Limited Reg office: ESG House, Bretby Business Park, Ashby Road, Burton upon Trent, DE 15 0YZ Incorporated in England: 02880501

Page 1 of 1 End of report

Sample Analysis

ESG Environmental Chemistry Analytical and Deviating Sample Overview

S163252

Lustre Consulting Customer Site 1519 - Parliament Hill, Camden **Report No** S163252

Consignment No S55389 Date Logged 22-Apr-2016

•							Repo	ort Du	e 29-	Apr-2	016		
		MethodID	CustServ	Sub015									
ID Number	Description	Sampled	REPORT A	^Butane	Carbon Dioxide	^Carbon Monoxide	^ Ethane	^Hydrogen (Gas)	^Hydrogen Sulphide	[^] Iso-Butane	^Methane	^Oxygen (Gas)	^Propane
CL/1613907	BH01 (1)	20/04/16											
CL/1613908	BH03 (1)	20/04/16											
CL/1613909	BH04 (1)	20/04/16											
CL/1613910	BH09 (1)	20/04/16											
CL/1613911	BH10 (1)	20/04/16											

Note: For analysis where the scheduled turnaround is greater than the	Deviating Sample Key	
holding time we will do our utmost to prioritise these samples. However, it	A The sample was received in an inappropriate container for this analysis	
is possible that samples could become deviant whilst being processed in	B The sample was received without the correct preservation for this analysis	
the laboratory.	C Headspace present in the sample container	
	D The sampling date was not supplied so holding time may be compromised - applicable to all analysis	
In this instance please contact the laboratory immediately should you	E Sample processing did not commence within the appropriate holding time	
wish to discuss how you would like us to proceed. If you do not respond	F Sample processing did not commence within the appropriate handling time	
within 24 hours, we will proceed as originally requested.	Requested Analysis Key	
	Analysis Required	
	Analysis dependant upon trigger result - Note: due date may be affected if triggered	
	No analysis scheduled	
	Analysis Subcontracted - Note: due date may vary	

Method Descriptions

Matrix	MethodID	Analysis Basis	Method Description
Soil	SubCon*	*	Contact Laboratory for details of the methodology used by the sub- contractor.

Generic Notes

Soil/Solid Analysis

Unless stated otherwise,

- Results expressed as mg/kg have been calculated on the basis indicated in the Method Description table.
- All results on MCERTS reports are reported on a 105°C dry weight basis with the exception of pH and conductivity. Sulphate analysis not conducted in accordance with BS1377
- Water Soluble Sulphate is on a 2:1 water:soil extract

Waters Analysis

Unless stated otherwise results are expressed as mg/l **NiI**: Where "NiI" has been entered against Total Alkalinity or Total Acidity this indicates that a measurement was not required due to the inherent pH of the sample.

Oil analysis specific

Unless stated otherwise,

- Results are expressed as mg/kg
- SG is expressed as g/cm³@ 15°C

Gas (Tedlar bag) Analysis

Unless stated otherwise, results are expressed as ug/I

Asbestos Analysis

CH Denotes ChrysotileTR Denotes TremoliteCR Denotes CrocidoliteAC Denotes ActinoliteAM Denotes AmositeAN Denotes AnthophyliteNAIIS No Asbestos Identified in SampleNADIS No Asbestos Detected In Sample

Symbol Reference

^ Sub-contracted analysis.

\$\$ Unable to analyse due to the nature of the sample

- ¶ Samples submitted for this analyte were not preserved on site in accordance with laboratory protocols.
- This may have resulted in deterioration of the sample(s) during transit to the laboratory.

Consequently the reported data may not represent the concentration of the target analyte present in the sample at the time of sampling

¥ Results for guidance only due to possible interference

& Blank corrected result

I.S Insufficient sample to complete requested analysis

I.S(g) Insufficient sample to re-analyse, results for guidance only

Intf Unable to analyse due to interferences

N.D Not determined N.Det Not detected

N.F No Flow

NS Information Not Supplied

Req Analysis requested, see attached sheets for results

P Raised detection limit due to nature of the sample

* All accreditation has been removed by the laboratory for this result

‡ MCERTS accreditation has been removed for this result

§ accreditation has been removed for this result as it is a non-accredited matrix

Note: The Laboratory may only claim that data is accredited when all of the requirements of our Quality System have been met. Where these requirements have not been met the laboratory may elect to include the data in its final report and remove the accreditation from individual data items if it believes that the validity of the data has not been affected. If further details are required of the circumstances which have led to the removal of accreditation then please do not hesitate to contact the laboratory.

Sample Descriptions

Client : Site : Report Number :	Lustre Consulting 1519 - Parliament Hill, Camden S16_3252	
		Note: major constituent in upper case
Lab ID Number	Client ID	Description
CL/1613907	BH01 (1)	GAS
CL/1613908	BH03 (1)	GAS
CL/1613909	BH04 (1)	GAS
CL/1613910	BH09 (1)	GAS
CL/1613911	BH10 (1)	GAS

APPENDIX D: FIELD MONITORING RECORDS

SOILS GAS N	IONITORIN	IG											ROUND 1	L	_	1
Project Number:	15	22	Site Loc	ation:	Parliame	nt Hill, Ca	mden	Date:	06/04	1/2016	Logg	ed By:	Ą	١K	LUS	STRE
Atm. Pressure (start):		10	009	Atm. Pre	ssure (fin	ish):	1007			24 hr	Trend:	Decre	easing	CONS	ULTING
Monitoring Point Reference	Flow Range (Litres / hr)	Relative Pressure (mb)	Met %	hane V\V	Met % LEL Explosi	hane (Lower ve Limit)	Carbon %	Dioxide V\V	Oxy %	ygen V\V	CO	/H₂S	Water lev	rel (m bgl)	PID ((ppm)
			Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady	СО	H ₂ S	Тор	Base	Peak	Steady
BH01	0	0.07	0.2	0	4	0	1.1	0.4	20.4	21.4	11	0	1.12	4.82	0.7	0.5
BH03	0	0.05	0.1	0	2	0	0.5	0.5	19.3	19.3	0	0	1.06	6.08	1	1.3
BH04	0	0	0	0	0	0	1.7	1.7	19.8	19.8	0	0	DRY	5	0.4	0.4
BH09	0	0.03	0	0	0	0	1	1	20.7	20.7	0	0	DRY	5.8	0.7	0.7
BH10	0	-0.03	0	0	0	0	1.7	1.7	19.3	19.3	0	0	DRY	5.9	0.5	0.5
Remarks / Weathe	r: BH01 Carbor	n Monoxide pe	eaked at 11 l	but steady	at 3. Grab s	ample of g	roundwate	r taken at B	H01 and B	H03. Weath	ner- Overca	ast, 5 degre	es Celsius,	rain.		

SOILS GAS M Project Number: Atm. Pressure (s	IONITORIN 15. start):	I G 22	Site Loca	ation:	Parliame Atm. Pre	nt Hill, Car ssure (fin	mden i sh):	Date: 1001	13/04	1/2016	Logg 24 hr	ed By: Trend:	ROUND 2 T Decre	2 C easing	L U c o n	S T R E
Monitoring Point Reference	Flow Range (Litres / hr)	Relative Pressure (mb)	Met	hane V\V	Met % LEL Explosi	hane (Lower ve Limit)	Carbon %	Dioxide V\V	Oxy %	/gen V\V	co/	′H₂S	Water lev	vel (m bgl)	PID (ppm)
		(Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady	CO	H₂S	Тор	Base	Peak	Steady
BH01	0	28.65	0.3	0.3	6	6	2.8	2.8	14.5	14.5	1	0	1.71	4.8		
BH03	0	-0.12	0	0	0	0	3.4	3.4	14.6	14.5	0	1	1.01	6.08		
BH04	0.1	0.07	0	0	0	0	1.8	1.7	19.2	19.2	0	0	DRY	4.99		
BH09	0	-0.09	0	0	0	0	1.3	1.3	20.1	20	0	1	DRY	5.81		
BH10	0	0.07	0	0	0	0	2.9	2.9	17.8	17.8	0	1	DRY	5.91		
Remarks / Weathe	r: Approximatel	y 10 degrees (Celsius, wai	m, sunny,	with slight v	vind.										

SOILS GAS M Project Number: Atm. Pressure (s	IONITORIN 15 start):	I G 22	Site Loc	ation:)27	Parliame Atm. Pre	nt Hill, Car ssure (fin	nden ish):	Date: 1024	20/04	4/2016	Logg 24 hr	ed By: Trend:	ROUND 3 C Decre	₩ ₩	LU	S T R E
Monitoring Point Reference	Flow Range (Litres / hr)	Relative Pressure	Met %	hane V\V	Met % LEL Explosi	hane (Lower ve Limit)	Carbon %	Dioxide V\V	Oxy %	ygen V\V	CO/	′H₂S	Water lev	/el (m bgl)	PID (ppm)
		(1115)	Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady	СО	H₂S	Тор	Base	Peak	Steady
BH01	0	0.02	0	0	0	0	0.8	0.2	17	19	2	0	0.96	4.8		
BH03	0	0.14	0	0	0	0	3.8	3.4	10.7	10.7	3	0	1.56	6.08		
BH04	0	0.05	0	0	0	0	1.5	1.3	20.4	20.7	0	0	DRY	4.99		
BH09	0	-0.05	0	0	0	0	1.4	0.4	19.4	20.3	0	1	DRY	5.81		
BH10	4.8	7.71	0	0	0	0	4	0.7	15	20	0	1	5.43	5.91		
Remarks / Weathe	r: BH09 and BH	110 - CO2 dec	reasing and	I O2 increa	sing immed	liately after	peaking. V	/eather - w	arm, dry, s	unny, light b	oreeze.					

SOILS GAS M Project Number: Atm. Pressure (st Monitoring Point Peterance	IONITORIN 15. start):	I G 22	Site Loc	ation:	Parliame Atm. Pre	nt Hill, Car ssure (fin	mden i sh):	Date: 1008	27/04	4/2016	Logg 24 hr	ed By: Trend:	ROUND 4 T Incre	C asing	LU	S T R E
Monitoring Point Reference	Flow Range (Litres / hr)	Relative Pressure (mb)	Met %	hane V\V	Met % LEL Explosi	hane (Lower ve Limit)	Carbon %	Dioxide V\V	Oxy %	ygen V\V	CO	/ H ₂ S	Water lev	vel (m bgl)	PID (ppm)
		(Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady	СО	H ₂ S	Тор	Base	Peak	Steady
BH01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
BH03	0	0.17	0	0	0	0	4.1	4.1	6.2	6.2	4	1	1.66	6.08		
BH04	0	-0.14	0	0	0	0	1.6	1.6	19.2	19.2	1	0	DRY	5.01		
BH09	0	-0.07	0	0	0	0	1.5	1.5	20.2	20.2	0	0	DRY	5.81		
BH10	0.1	-0.03	0	0	0	0	4.4	4.4	15.3	15.3	0	0	4.95	5.91		
Remarks / Weathe	r: Unable to acc	cess BH01.	•			•		•								

APPENDIX E: ENVIRONMENTAL ASSESSMENT TABLES

HUMAN HEALTH QUANTITATIVE RISK ASSESSMENT - SOILS MADE GROUND

1522

Parliament Hill, Camden



Assessment Scenario: Assessment Criteria Source: Soil Organic Matter (%): POSresi SGVs, GACs and S4ULs SOM = 2.5%

DETERMINAND	LINITS	MINIMUM	AVERAGE	ΜΑΧΙΜΙΙΜ	No. of	ASSESSMENT	No. >	BH01	BH02	BH02	BH04	BH05	BH08	BH09	BH09	TP02	TP02	TP06	TP12
DETERMINAND	UNITS		AVENAGE	MAXIMOW	TESTS	CRITERIA	AC	0.30	0.10	0.50 - 0.60	0.40 - 0.50	0.40 - 0.50	0.50 - 0.60	0.90 - 1.00	2.00 - 2.10	0.20 - 0.30	1.20 - 1.30	0.80 - 0.90	0.30 - 0.40
Asbestos Screen	N/A	N/A	N/A	N/A	12	Detected	0	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
рН	no units	7.40	7.97	8.80	12	No Criteria	0	8	7.9	7.8	8.8	7.8	8.1	7.4	7.8	7.9	7.9	8	8.2
Total Cyanide	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>12</td><td>53.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>12</td><td>53.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>12</td><td>53.00</td><td>0</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<></td></lod<></td></lod<></td></lod<>	12	53.00	0	<lod< td=""><td><lod< td=""></lod<></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=""></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><lod< 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><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><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<>	<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 Organic Carbon (TOC)	mg/kg	0.50	2.81	8.50	12	No Criteria	0	7.1	8.5	1.4	0.6	2	2.1	1.5	0.5	7.6	0.8	0.6	1
Water Soluble Sulphate as SO4 (2:1)	mg/kg	0.04	0.51	2.54	12	No Criteria	0	0.04	0.24	0.05	0.85	0.04	0.21	0.04	2.54	0.3	0.1	0.09	1.64
Arsenic	mg/kg	6.00	11.50	17.00	12	79.00	0	6	9	14	10	16	13	16	11	8	10	17	8
Cadmium	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>12</td><td>120.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>12</td><td>120.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>12</td><td>120.00</td><td>0</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<></td></lod<></td></lod<></td></lod<>	12	120.00	0	<lod< td=""><td><lod< td=""></lod<></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=""></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><lod< 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><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><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<>	<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<>
Chromium	mg/kg	11.00	27.42	44.00	12	1500.00	0	19	23	35	17	30	20	33	41	11	40	44	16
Copper	mg/kg	16.00	35.83	71.00	12	12000.00	0	53	29	55	16	71	25	46	21	49	24	23	18
Lead	mg/kg	17.00	263.92	1020.00	12	630.00	1	17	140	349	329	270	479	310	18	1020	104	48	83
Mercury	mg/kg	<lod< td=""><td>0.65</td><td>1.60</td><td>12</td><td>170.00</td><td>0</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>1.6</td><td><lod< td=""><td>1.2</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<></td></lod<>	0.65	1.60	12	170.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>1.6</td><td><lod< td=""><td>1.2</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><lod< td=""><td>1.6</td><td><lod< td=""><td>1.2</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><lod< td=""><td>1.6</td><td><lod< td=""><td>1.2</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>1.6</td><td><lod< td=""><td>1.2</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<>	1.6	<lod< td=""><td>1.2</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<>	1.2	<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	mg/kg	7.00	18.50	30.00	12	230.00	0	21	13	17	11	19	14	26	30	10	25	29	7
Selenium	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>12</td><td>1100.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>12</td><td>1100.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>12</td><td>1100.00</td><td>0</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<></td></lod<></td></lod<></td></lod<>	12	1100.00	0	<lod< td=""><td><lod< td=""></lod<></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=""></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><lod< 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><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><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<>	<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<>
Zinc	mg/kg	44.00	103.67	317.00	12	81000.00	0	60	119	83	44	101	70	104	66	317	109	89	82
Naphthalene	mg/kg	<lod< td=""><td>0.11</td><td>0.35</td><td>12</td><td>4900.00</td><td>0</td><td>0.35</td><td>0.3</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>0.19</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<>	0.11	0.35	12	4900.00	0	0.35	0.3	<lod< td=""><td><lod< td=""><td><lod< td=""><td>0.19</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><lod< td=""><td>0.19</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<>	<lod< td=""><td>0.19</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<>	0.19	<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<>
Acenaphthylene	mg/kg	<lod< td=""><td>0.15</td><td>0.46</td><td>12</td><td>15000.00</td><td>0</td><td>0.25</td><td>0.4</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>0.27</td><td><lod< td=""><td><lod< td=""><td>0.46</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<>	0.15	0.46	12	15000.00	0	0.25	0.4	<lod< td=""><td><lod< td=""><td><lod< td=""><td>0.27</td><td><lod< td=""><td><lod< td=""><td>0.46</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>0.27</td><td><lod< td=""><td><lod< td=""><td>0.46</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>0.27</td><td><lod< td=""><td><lod< td=""><td>0.46</td><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	0.27	<lod< td=""><td><lod< td=""><td>0.46</td><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>0.46</td><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	0.46	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Acenaphthene	mg/kg	<lod< td=""><td>0.51</td><td>2.02</td><td>12</td><td>15000.00</td><td>0</td><td>1.53</td><td>2.02</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>1.67</td><td><lod< td=""><td><lod< td=""><td>0.55</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<>	0.51	2.02	12	15000.00	0	1.53	2.02	<lod< td=""><td><lod< td=""><td><lod< td=""><td>1.67</td><td><lod< td=""><td><lod< td=""><td>0.55</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>1.67</td><td><lod< td=""><td><lod< td=""><td>0.55</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>1.67</td><td><lod< td=""><td><lod< td=""><td>0.55</td><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	1.67	<lod< td=""><td><lod< td=""><td>0.55</td><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>0.55</td><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	0.55	<lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Fluorene	mg/kg	<lod< td=""><td>0.43</td><td>1.62</td><td>12</td><td>9900.00</td><td>0</td><td>1.62</td><td>1.19</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>1.36</td><td><lod< td=""><td><lod< td=""><td>0.56</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<>	0.43	1.62	12	9900.00	0	1.62	1.19	<lod< td=""><td><lod< td=""><td><lod< td=""><td>1.36</td><td><lod< td=""><td><lod< td=""><td>0.56</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>1.36</td><td><lod< td=""><td><lod< td=""><td>0.56</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>1.36</td><td><lod< td=""><td><lod< td=""><td>0.56</td><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	1.36	<lod< td=""><td><lod< td=""><td>0.56</td><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>0.56</td><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	0.56	<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>5.72</td><td>27.20</td><td>12</td><td>3100.00</td><td>0</td><td>18.3</td><td>27.2</td><td><lod< td=""><td>0.59</td><td><lod< td=""><td>10.3</td><td><lod< td=""><td><lod< td=""><td>10.7</td><td>0.28</td><td>0.22</td><td>0.89</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5.72	27.20	12	3100.00	0	18.3	27.2	<lod< td=""><td>0.59</td><td><lod< td=""><td>10.3</td><td><lod< td=""><td><lod< td=""><td>10.7</td><td>0.28</td><td>0.22</td><td>0.89</td></lod<></td></lod<></td></lod<></td></lod<>	0.59	<lod< td=""><td>10.3</td><td><lod< td=""><td><lod< td=""><td>10.7</td><td>0.28</td><td>0.22</td><td>0.89</td></lod<></td></lod<></td></lod<>	10.3	<lod< td=""><td><lod< td=""><td>10.7</td><td>0.28</td><td>0.22</td><td>0.89</td></lod<></td></lod<>	<lod< td=""><td>10.7</td><td>0.28</td><td>0.22</td><td>0.89</td></lod<>	10.7	0.28	0.22	0.89
Anthracene	mg/kg	<lod< td=""><td>1.57</td><td>6.85</td><td>12</td><td>74000.00</td><td>0</td><td>4.2</td><td>6.85</td><td><lod< td=""><td>0.13</td><td><lod< td=""><td>4.17</td><td><lod< td=""><td><lod< td=""><td>2.9</td><td><lod< td=""><td><lod< td=""><td>0.25</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	1.57	6.85	12	74000.00	0	4.2	6.85	<lod< td=""><td>0.13</td><td><lod< td=""><td>4.17</td><td><lod< td=""><td><lod< td=""><td>2.9</td><td><lod< td=""><td><lod< td=""><td>0.25</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	0.13	<lod< td=""><td>4.17</td><td><lod< td=""><td><lod< td=""><td>2.9</td><td><lod< td=""><td><lod< td=""><td>0.25</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4.17	<lod< td=""><td><lod< td=""><td>2.9</td><td><lod< td=""><td><lod< td=""><td>0.25</td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>2.9</td><td><lod< td=""><td><lod< td=""><td>0.25</td></lod<></td></lod<></td></lod<>	2.9	<lod< td=""><td><lod< td=""><td>0.25</td></lod<></td></lod<>	<lod< td=""><td>0.25</td></lod<>	0.25
Fluoranthene	mg/kg	<lod< td=""><td>13.19</td><td>59.40</td><td>12</td><td>3100.00</td><td>0</td><td>25.6</td><td>59.4</td><td><lod< td=""><td>0.91</td><td><lod< td=""><td>44.3</td><td><lod< td=""><td><lod< td=""><td>23.7</td><td>0.75</td><td>0.53</td><td>2.89</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	13.19	59.40	12	3100.00	0	25.6	59.4	<lod< td=""><td>0.91</td><td><lod< td=""><td>44.3</td><td><lod< td=""><td><lod< td=""><td>23.7</td><td>0.75</td><td>0.53</td><td>2.89</td></lod<></td></lod<></td></lod<></td></lod<>	0.91	<lod< td=""><td>44.3</td><td><lod< td=""><td><lod< td=""><td>23.7</td><td>0.75</td><td>0.53</td><td>2.89</td></lod<></td></lod<></td></lod<>	44.3	<lod< td=""><td><lod< td=""><td>23.7</td><td>0.75</td><td>0.53</td><td>2.89</td></lod<></td></lod<>	<lod< td=""><td>23.7</td><td>0.75</td><td>0.53</td><td>2.89</td></lod<>	23.7	0.75	0.53	2.89
Pyrene	mg/kg	<lod< td=""><td>11.79</td><td>53.00</td><td>12</td><td>7400.00</td><td>0</td><td>21.1</td><td>53</td><td><lod< td=""><td>0.82</td><td><lod< td=""><td>42.6</td><td><lod< td=""><td><lod< td=""><td>20.1</td><td>0.65</td><td>0.48</td><td>2.52</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	11.79	53.00	12	7400.00	0	21.1	53	<lod< td=""><td>0.82</td><td><lod< td=""><td>42.6</td><td><lod< td=""><td><lod< td=""><td>20.1</td><td>0.65</td><td>0.48</td><td>2.52</td></lod<></td></lod<></td></lod<></td></lod<>	0.82	<lod< td=""><td>42.6</td><td><lod< td=""><td><lod< td=""><td>20.1</td><td>0.65</td><td>0.48</td><td>2.52</td></lod<></td></lod<></td></lod<>	42.6	<lod< td=""><td><lod< td=""><td>20.1</td><td>0.65</td><td>0.48</td><td>2.52</td></lod<></td></lod<>	<lod< td=""><td>20.1</td><td>0.65</td><td>0.48</td><td>2.52</td></lod<>	20.1	0.65	0.48	2.52
Benzo(a)anthracene	mg/kg	<lod< td=""><td>5.19</td><td>22.90</td><td>12</td><td>29.00</td><td>0</td><td>7.91</td><td>22.9</td><td><lod< td=""><td>0.41</td><td><lod< td=""><td>20.1</td><td><lod< td=""><td><lod< td=""><td>8.81</td><td>0.31</td><td>0.25</td><td>1.42</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5.19	22.90	12	29.00	0	7.91	22.9	<lod< td=""><td>0.41</td><td><lod< td=""><td>20.1</td><td><lod< td=""><td><lod< td=""><td>8.81</td><td>0.31</td><td>0.25</td><td>1.42</td></lod<></td></lod<></td></lod<></td></lod<>	0.41	<lod< td=""><td>20.1</td><td><lod< td=""><td><lod< td=""><td>8.81</td><td>0.31</td><td>0.25</td><td>1.42</td></lod<></td></lod<></td></lod<>	20.1	<lod< td=""><td><lod< td=""><td>8.81</td><td>0.31</td><td>0.25</td><td>1.42</td></lod<></td></lod<>	<lod< td=""><td>8.81</td><td>0.31</td><td>0.25</td><td>1.42</td></lod<>	8.81	0.31	0.25	1.42
Chrysene	mg/kg	<lod< td=""><td>5.38</td><td>22.40</td><td>12</td><td>57.00</td><td>0</td><td>7.07</td><td>21.8</td><td><lod< td=""><td>0.48</td><td><lod< td=""><td>22.4</td><td><lod< td=""><td><lod< td=""><td>10.5</td><td>0.34</td><td>0.26</td><td>1.48</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	5.38	22.40	12	57.00	0	7.07	21.8	<lod< td=""><td>0.48</td><td><lod< td=""><td>22.4</td><td><lod< td=""><td><lod< td=""><td>10.5</td><td>0.34</td><td>0.26</td><td>1.48</td></lod<></td></lod<></td></lod<></td></lod<>	0.48	<lod< td=""><td>22.4</td><td><lod< td=""><td><lod< td=""><td>10.5</td><td>0.34</td><td>0.26</td><td>1.48</td></lod<></td></lod<></td></lod<>	22.4	<lod< td=""><td><lod< td=""><td>10.5</td><td>0.34</td><td>0.26</td><td>1.48</td></lod<></td></lod<>	<lod< td=""><td>10.5</td><td>0.34</td><td>0.26</td><td>1.48</td></lod<>	10.5	0.34	0.26	1.48
Benzo(b)fluoranthene	mg/kg	<lod< td=""><td>6.20</td><td>29.30</td><td>12</td><td>7.20</td><td>4</td><td>8.94</td><td>29.3</td><td><lod< td=""><td>0.66</td><td><lod< td=""><td>24</td><td><lod< td=""><td><lod< td=""><td>8.38</td><td>0.45</td><td>0.4</td><td>2.03</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	6.20	29.30	12	7.20	4	8.94	29.3	<lod< td=""><td>0.66</td><td><lod< td=""><td>24</td><td><lod< td=""><td><lod< td=""><td>8.38</td><td>0.45</td><td>0.4</td><td>2.03</td></lod<></td></lod<></td></lod<></td></lod<>	0.66	<lod< td=""><td>24</td><td><lod< td=""><td><lod< td=""><td>8.38</td><td>0.45</td><td>0.4</td><td>2.03</td></lod<></td></lod<></td></lod<>	24	<lod< td=""><td><lod< td=""><td>8.38</td><td>0.45</td><td>0.4</td><td>2.03</td></lod<></td></lod<>	<lod< td=""><td>8.38</td><td>0.45</td><td>0.4</td><td>2.03</td></lod<>	8.38	0.45	0.4	2.03
Benzo(k)fluoranthene	mg/kg	<lod< td=""><td>2.49</td><td>9.88</td><td>12</td><td>190.00</td><td>0</td><td>2.89</td><td>9.88</td><td><lod< td=""><td>0.23</td><td><lod< td=""><td>9.01</td><td><lod< td=""><td><lod< td=""><td>6.53</td><td>0.18</td><td><lod< td=""><td>0.85</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	2.49	9.88	12	190.00	0	2.89	9.88	<lod< td=""><td>0.23</td><td><lod< td=""><td>9.01</td><td><lod< td=""><td><lod< td=""><td>6.53</td><td>0.18</td><td><lod< td=""><td>0.85</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	0.23	<lod< td=""><td>9.01</td><td><lod< td=""><td><lod< td=""><td>6.53</td><td>0.18</td><td><lod< td=""><td>0.85</td></lod<></td></lod<></td></lod<></td></lod<>	9.01	<lod< td=""><td><lod< td=""><td>6.53</td><td>0.18</td><td><lod< td=""><td>0.85</td></lod<></td></lod<></td></lod<>	<lod< td=""><td>6.53</td><td>0.18</td><td><lod< td=""><td>0.85</td></lod<></td></lod<>	6.53	0.18	<lod< td=""><td>0.85</td></lod<>	0.85
Benzo(a)pyrene	mg/kg	<lod< td=""><td>4.27</td><td>20.70</td><td>12</td><td>5.70</td><td>4</td><td>6.73</td><td>20.7</td><td><lod< td=""><td>0.47</td><td><lod< td=""><td>14.4</td><td><lod< td=""><td><lod< td=""><td>6.41</td><td>0.28</td><td>0.25</td><td>1.75</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4.27	20.70	12	5.70	4	6.73	20.7	<lod< td=""><td>0.47</td><td><lod< td=""><td>14.4</td><td><lod< td=""><td><lod< td=""><td>6.41</td><td>0.28</td><td>0.25</td><td>1.75</td></lod<></td></lod<></td></lod<></td></lod<>	0.47	<lod< td=""><td>14.4</td><td><lod< td=""><td><lod< td=""><td>6.41</td><td>0.28</td><td>0.25</td><td>1.75</td></lod<></td></lod<></td></lod<>	14.4	<lod< td=""><td><lod< td=""><td>6.41</td><td>0.28</td><td>0.25</td><td>1.75</td></lod<></td></lod<>	<lod< td=""><td>6.41</td><td>0.28</td><td>0.25</td><td>1.75</td></lod<>	6.41	0.28	0.25	1.75
Indeno(1,2,3-cd)pyrene	mg/kg	<lod< td=""><td>2.46</td><td>11.70</td><td>12</td><td>82.00</td><td>0</td><td>3.71</td><td>11.7</td><td><lod< td=""><td>0.33</td><td><lod< td=""><td>8.82</td><td><lod< td=""><td><lod< td=""><td>3.23</td><td>0.2</td><td>0.21</td><td>1.06</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	2.46	11.70	12	82.00	0	3.71	11.7	<lod< td=""><td>0.33</td><td><lod< td=""><td>8.82</td><td><lod< td=""><td><lod< td=""><td>3.23</td><td>0.2</td><td>0.21</td><td>1.06</td></lod<></td></lod<></td></lod<></td></lod<>	0.33	<lod< td=""><td>8.82</td><td><lod< td=""><td><lod< td=""><td>3.23</td><td>0.2</td><td>0.21</td><td>1.06</td></lod<></td></lod<></td></lod<>	8.82	<lod< td=""><td><lod< td=""><td>3.23</td><td>0.2</td><td>0.21</td><td>1.06</td></lod<></td></lod<>	<lod< td=""><td>3.23</td><td>0.2</td><td>0.21</td><td>1.06</td></lod<>	3.23	0.2	0.21	1.06
Di-benzo(a,h)anthracene	mg/kg	<lod< td=""><td>0.39</td><td>2.11</td><td>12</td><td>0.57</td><td>3</td><td>0.72</td><td>2.11</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>1.07</td><td><lod< td=""><td><lod< td=""><td>0.31</td><td><lod< td=""><td><lod< td=""><td>0.13</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	0.39	2.11	12	0.57	3	0.72	2.11	<lod< td=""><td><lod< td=""><td><lod< td=""><td>1.07</td><td><lod< td=""><td><lod< td=""><td>0.31</td><td><lod< td=""><td><lod< td=""><td>0.13</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>1.07</td><td><lod< td=""><td><lod< td=""><td>0.31</td><td><lod< td=""><td><lod< td=""><td>0.13</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>1.07</td><td><lod< td=""><td><lod< td=""><td>0.31</td><td><lod< td=""><td><lod< td=""><td>0.13</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	1.07	<lod< td=""><td><lod< td=""><td>0.31</td><td><lod< td=""><td><lod< td=""><td>0.13</td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>0.31</td><td><lod< td=""><td><lod< td=""><td>0.13</td></lod<></td></lod<></td></lod<>	0.31	<lod< td=""><td><lod< td=""><td>0.13</td></lod<></td></lod<>	<lod< td=""><td>0.13</td></lod<>	0.13
Benzo(ghi)perylene	mg/kg	<lod< td=""><td>2.16</td><td>10.20</td><td>12</td><td>640.00</td><td>0</td><td>3.26</td><td>10.2</td><td><lod< td=""><td>0.38</td><td><lod< td=""><td>7.45</td><td><lod< td=""><td><lod< td=""><td>3.01</td><td>0.16</td><td>0.19</td><td>1.04</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	2.16	10.20	12	640.00	0	3.26	10.2	<lod< td=""><td>0.38</td><td><lod< td=""><td>7.45</td><td><lod< td=""><td><lod< td=""><td>3.01</td><td>0.16</td><td>0.19</td><td>1.04</td></lod<></td></lod<></td></lod<></td></lod<>	0.38	<lod< td=""><td>7.45</td><td><lod< td=""><td><lod< td=""><td>3.01</td><td>0.16</td><td>0.19</td><td>1.04</td></lod<></td></lod<></td></lod<>	7.45	<lod< td=""><td><lod< td=""><td>3.01</td><td>0.16</td><td>0.19</td><td>1.04</td></lod<></td></lod<>	<lod< td=""><td>3.01</td><td>0.16</td><td>0.19</td><td>1.04</td></lod<>	3.01	0.16	0.19	1.04
TPH CWG - Aliphatic >C5 - C6	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>12</td><td>590000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>12</td><td>590000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>12</td><td>590000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<>	12	590000.00	0	<lod< td=""><td><lod< td=""></lod<></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=""></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><lod< 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><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><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<>	<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 >C6 - C8	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>12</td><td>610000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>12</td><td>610000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>12</td><td>610000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<>	12	610000.00	0	<lod< td=""><td><lod< td=""></lod<></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=""></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><lod< 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><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><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<>	<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 >C8 - C10	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>12</td><td>13000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>12</td><td>13000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>12</td><td>13000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<>	12	13000.00	0	<lod< td=""><td><lod< td=""></lod<></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=""></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><lod< 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><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><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<>	<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 >C10 - C12	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>12</td><td>13000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>12</td><td>13000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>12</td><td>13000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<>	12	13000.00	0	<lod< td=""><td><lod< td=""></lod<></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=""></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><lod< 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><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><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<>	<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 >C12 - C16	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>12</td><td>13000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>12</td><td>13000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>12</td><td>13000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<>	12	13000.00	0	<lod< td=""><td><lod< td=""></lod<></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=""></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><lod< 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><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><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<>	<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 >C16 - C21	mg/kg	<lod< td=""><td>1.29</td><td>10.00</td><td>12</td><td>125000.00</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=""><td><lod< td=""><td>10</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<></td></lod<></td></lod<>	1.29	10.00	12	125000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>10</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<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>10</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><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>10</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><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>10</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><lod< td=""><td><lod< td=""><td>10</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>10</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>10</td><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>10</td><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	10	<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 - C34	mg/kg	<lod< td=""><td>15.00</td><td>147.00</td><td>12</td><td>125000.00</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=""><td><lod< td=""><td>147</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<></td></lod<></td></lod<>	15.00	147.00	12	125000.00	0	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>147</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<></td></lod<>	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>147</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><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>147</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><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>147</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><lod< td=""><td><lod< td=""><td>147</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>147</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>147</td><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>147</td><td><lod< td=""><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	147	<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	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>12</td><td>56000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>12</td><td>56000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>12</td><td>56000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<>	12	56000.00	0	<lod< td=""><td><lod< td=""></lod<></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=""></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><lod< 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><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><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<>	<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 >C7 - C8	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>12</td><td>56000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>12</td><td>56000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>12</td><td>56000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<>	12	56000.00	0	<lod< td=""><td><lod< td=""></lod<></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=""></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><lod< 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><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><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<>	<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 >C8 - C10	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>12</td><td>5000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>12</td><td>5000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>12</td><td>5000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<>	12	5000.00	0	<lod< td=""><td><lod< td=""></lod<></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=""></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><lod< 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><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><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<>	<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 >C10 - C12	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>12</td><td>5000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>12</td><td>5000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>12</td><td>5000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<>	12	5000.00	0	<lod< td=""><td><lod< td=""></lod<></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=""></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><lod< 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><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><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<>	<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<>
IPH CWG - Aromatic >C12 - C16	mg/kg	<lod< td=""><td>3.08</td><td>18.00</td><td>12</td><td>5100.00</td><td>0</td><td>14</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>18</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<></td></lod<>	3.08	18.00	12	5100.00	0	14	<lod< td=""><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>18</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><lod< td=""><td>18</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><lod< td=""><td>18</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<>	<lod< td=""><td>18</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<>	18	<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<>
IPH CWG - Aromatic >C16 - C21	mg/kg	<lod< td=""><td>38.79</td><td>181.00</td><td>12</td><td>3800.00</td><td>0</td><td>112</td><td>89</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>181</td><td><lod< td=""><td><lod< td=""><td>/0</td><td><lod< td=""><td><lod< td=""><td>10</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	38.79	181.00	12	3800.00	0	112	89	<lod< td=""><td><lod< td=""><td><lod< td=""><td>181</td><td><lod< td=""><td><lod< td=""><td>/0</td><td><lod< td=""><td><lod< td=""><td>10</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>181</td><td><lod< td=""><td><lod< td=""><td>/0</td><td><lod< td=""><td><lod< td=""><td>10</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>181</td><td><lod< td=""><td><lod< td=""><td>/0</td><td><lod< td=""><td><lod< td=""><td>10</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	181	<lod< td=""><td><lod< td=""><td>/0</td><td><lod< td=""><td><lod< td=""><td>10</td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>/0</td><td><lod< td=""><td><lod< td=""><td>10</td></lod<></td></lod<></td></lod<>	/0	<lod< td=""><td><lod< td=""><td>10</td></lod<></td></lod<>	<lod< td=""><td>10</td></lod<>	10
IPH CWG - Aromatic >C21 - C35	mg/kg	<lod< td=""><td>142.92</td><td>/30.00</td><td>12</td><td>3800.00</td><td>0</td><td>141</td><td>332</td><td><lod< td=""><td><lod< td=""><td><lod< td=""><td>448</td><td><lod< td=""><td><lod< td=""><td>/30</td><td><lod< td=""><td><lod< td=""><td>43</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	142.92	/30.00	12	3800.00	0	141	332	<lod< td=""><td><lod< td=""><td><lod< td=""><td>448</td><td><lod< td=""><td><lod< td=""><td>/30</td><td><lod< td=""><td><lod< td=""><td>43</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>448</td><td><lod< td=""><td><lod< td=""><td>/30</td><td><lod< td=""><td><lod< td=""><td>43</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>448</td><td><lod< td=""><td><lod< td=""><td>/30</td><td><lod< td=""><td><lod< td=""><td>43</td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	448	<lod< td=""><td><lod< td=""><td>/30</td><td><lod< td=""><td><lod< td=""><td>43</td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>/30</td><td><lod< td=""><td><lod< td=""><td>43</td></lod<></td></lod<></td></lod<>	/30	<lod< td=""><td><lod< td=""><td>43</td></lod<></td></lod<>	<lod< td=""><td>43</td></lod<>	43
Benzene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>12</td><td>/2.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>12</td><td>/2.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>12</td><td>/2.00</td><td>0</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<></td></lod<></td></lod<></td></lod<>	12	/2.00	0	<lod< td=""><td><lod< td=""></lod<></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=""></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><lod< 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><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><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<>	<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>12</td><td>56000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>12</td><td>56000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>12</td><td>56000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<>	12	56000.00	0	<lod< td=""><td><lod< td=""></lod<></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=""></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><lod< 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><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><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<>	<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>12</td><td>24000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>12</td><td>24000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>12</td><td>24000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<>	12	24000.00	0	<lod< td=""><td><lod< td=""></lod<></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=""></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><lod< 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><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><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<>	<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<>
m & p-xylene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>12</td><td>42000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>12</td><td>42000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>12</td><td>42000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<>	12	42000.00	0	<lod< td=""><td><lod< td=""></lod<></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=""></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><lod< 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><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><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<>	<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>12</td><td>42000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>12</td><td>42000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>12</td><td>42000.00</td><td>0</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<></td></lod<></td></lod<></td></lod<>	12	42000.00	0	<lod< td=""><td><lod< td=""></lod<></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=""></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><lod< 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><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><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<>	<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<>
Monohydric Phenols	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>12</td><td>690.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>12</td><td>690.00</td><td>0</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<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>12</td><td>690.00</td><td>0</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<></td></lod<></td></lod<></td></lod<>	12	690.00	0	<lod< td=""><td><lod< td=""></lod<></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=""></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><lod< 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><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><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<>	<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<>

HUMAN HEALTH QUANTITATIVE RISK ASSESSMENT - SOILS NATURAL GROUND

1522





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

					No. of	ASSESSMENT	No.>	BH01	BH01	BH02	BH02	BH03	BH05	BH07	BH09	BH09
DETERMINAND	UNITS	MINIMUM	AVERAGE	MAXIMUM	TESTS	CRITERIA	AC	2 30	8.00	1 50 - 1 60	3 20 - 3 30	2 20 - 2 30	3 40 - 3 50	4 30 - 4 40	2 00 - 2 10	3 20 - 3 30
Ashestos Screen	Ν/Δ	N/A	Ν/Δ	N/A	4	Detected	0	Not Detected	-	1.50 1.00	5.20 5.50	Not Detected			Not Detected	Not Detected
nH	no units	7.70	7.82	7.90	4 Q	No Criteria	0	7.8	79	7.8	79	7.8	7.8	79	7.8	77
Total Cvanide	mg/kg		<100		4	53.00	0	<1.00	-	-	-	<100	7.0	-		
Total Organic Carbon (TOC)	mg/kg	0.20	0.45	0.70	4	No Criteria	0	0.4		-		0.7	-	-	0.5	0.2
Total Sulphur (BRE SD1)	111g/ Kg		0.45	0.70	5	No Criteria	0	0.4	0.02		0.65	0.7	0.19	0.23	0.5	0.2
Water Soluble Sulphate as SO4 (2:1)	 mg/kg	0.03	1 /18	2 92	0	No Criteria	0	0.12	2 02	0.03	0.03	0.03	2.41	2.63	2.54	2 58
	mg/kg	9.00	11 25	13.00	1	79.00	0	0.12	2.52	0.05	0.05	13	2.41	2.05	11	12
Cadmium	mg/kg	5.00	<10D	15.00	4	120.00	0		-	-	-		-	-		
Chromium	mg/kg	41.00	47.50	52.00	4	120.00	0	<lod 40</lod 	-	-	-	49	-	-	41	52
Coppor	mg/kg	12.00	47.30	32.00	4	12000.00	0	45	-	-	-	40	-		21	21
Lond	mg/kg	12.00	1/./5	18.00	4	620.00	0	17	-	-	-	14	-		19	12
Moreup	mg/kg	12.00	14.23	18.00	4	170.00	0	12	-	-	-	14	-		100	13
Nickol	mg/kg	14.00	20 50	28.00	4	220.00	0	20	-	-	-	14	-	-	20	22
Colonium	mg/kg	14.00	20.30	56.00	4	230.00	0	30	-	-	-	14	-	-	50	52
Zinc	mg/kg	<lod< td=""><td><lud 62.75</lud </td><td>70.00</td><td>4</td><td>91000.00</td><td>0</td><td></td><td>-</td><td>-</td><td>-</td><td><lud E4</lud </td><td>-</td><td>-</td><td><lud 66<="" td=""><td>70</td></lud></td></lod<>	<lud 62.75</lud 	70.00	4	91000.00	0		-	-	-	<lud E4</lud 	-	-	<lud 66<="" td=""><td>70</td></lud>	70
	mg/kg	54.00	05.75	70.00	4	4000.00	0	C0	-	-	-	54	-	-		70
Accesshthulana	mg/kg				4	4900.00	0		-	-	-		-	-		
Acenaphthylene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>15000.00</td><td>0</td><td><lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<></td></lud<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>4</td><td>15000.00</td><td>0</td><td><lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<></td></lud<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>15000.00</td><td>0</td><td><lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<></td></lud<></td></lod<>	4	15000.00	0	<lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<></td></lud<>	-	-	-	<lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<>	-	-	<lod< td=""><td><lud< td=""></lud<></td></lod<>	<lud< td=""></lud<>
Acenaphthene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>15000.00</td><td>0</td><td><lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<></td></lud<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>4</td><td>15000.00</td><td>0</td><td><lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<></td></lud<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>15000.00</td><td>0</td><td><lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<></td></lud<></td></lod<>	4	15000.00	0	<lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<></td></lud<>	-	-	-	<lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<>	-	-	<lod< td=""><td><lud< td=""></lud<></td></lod<>	<lud< td=""></lud<>
Fluorene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>9900.00</td><td>0</td><td><lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<></td></lud<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>4</td><td>9900.00</td><td>0</td><td><lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<></td></lud<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>9900.00</td><td>0</td><td><lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<></td></lud<></td></lod<>	4	9900.00	0	<lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<></td></lud<>	-	-	-	<lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<>	-	-	<lod< td=""><td><lud< td=""></lud<></td></lod<>	<lud< td=""></lud<>
Phenanthrene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>3100.00</td><td>0</td><td><lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<></td></lud<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>4</td><td>3100.00</td><td>0</td><td><lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<></td></lud<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>3100.00</td><td>0</td><td><lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<></td></lud<></td></lod<>	4	3100.00	0	<lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<></td></lud<>	-	-	-	<lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lud< td=""></lud<></td></lod<></td></lod<>	-	-	<lod< td=""><td><lud< td=""></lud<></td></lod<>	<lud< td=""></lud<>
Anthracene	mg/kg	<lod< td=""><td><lud< td=""><td><lod< td=""><td>4</td><td>74000.00</td><td>0</td><td><lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lud<></td></lod<></td></lud<></td></lod<>	<lud< td=""><td><lod< td=""><td>4</td><td>74000.00</td><td>0</td><td><lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lud<></td></lod<></td></lud<>	<lod< td=""><td>4</td><td>74000.00</td><td>0</td><td><lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lud<></td></lod<>	4	74000.00	0	<lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lud<>	-	-	-	<lod< td=""><td>-</td><td>-</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	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>3100.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>3100.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>3100.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	3100.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	-	-	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Pyrene Pyrene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>7400.00</td><td>0</td><td><lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lud<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>4</td><td>7400.00</td><td>0</td><td><lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lud<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>7400.00</td><td>0</td><td><lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lud<></td></lod<>	4	7400.00	0	<lud< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lud<>	-	-	-	<lod< td=""><td>-</td><td>-</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)anthracene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>29.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>29.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>29.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	29.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	-	-	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Chrysene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>57.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>57.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>57.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	57.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>7.10</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>7.10</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>7.10</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	7.10	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>190.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>190.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>190.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	190.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>5.70</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>5.70</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>5.70</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	5.70	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>82.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>82.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>82.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	82.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	-	-	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Di-benzo(a,h)anthracene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>0.57</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>0.57</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>0.57</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	0.57	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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><lod< td=""><td><lod< td=""><td>4</td><td>640.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>640.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>640.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	640.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>570000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>570000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>570000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	570000.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>600000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>600000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>600000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	600000.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>13000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>13000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>13000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	13000.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>13000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>13000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>13000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	13000.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>13000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>13000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>13000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	13000.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>125000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>125000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>125000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	125000.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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 - C34	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>125000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>125000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>125000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	125000.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>56000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>56000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>56000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	56000.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>56000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>56000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>56000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	56000.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>5000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>5000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>5000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	5000.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>5000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>5000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>5000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	5000.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>5100.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>5100.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>5100.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	5100.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>3800.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>3800.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>3800.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	3800.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>3800.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>3800.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>3800.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	3800.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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>4</td><td>72.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>72.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>72.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	72.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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>4</td><td>56000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>56000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>56000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	56000.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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>4</td><td>24000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>24000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>24000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	24000.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	-	-	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
m & p-xylene	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>41000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>41000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>41000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	41000.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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>4</td><td>41000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>41000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>41000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	41000.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	-	-	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Monohydric Phenols	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>440.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>440.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>440.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	440.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	-	-	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
MTBE	mg/kg	<lod< td=""><td><lod< td=""><td><lod< td=""><td>4</td><td>49.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>49.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>49.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	49.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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>4</td><td>72.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>72.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>72.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	72.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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>4</td><td>56000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>56000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>56000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	56000.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</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>4</td><td>41000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</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>4</td><td>41000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	<lod< td=""><td>4</td><td>41000.00</td><td>0</td><td><lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<></td></lod<>	4	41000.00	0	<lod< td=""><td>-</td><td>-</td><td>-</td><td><lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<></td></lod<>	-	-	-	<lod< td=""><td>-</td><td>-</td><td><lod< td=""><td><lod< td=""></lod<></td></lod<></td></lod<>	-	-	<lod< td=""><td><lod< td=""></lod<></td></lod<>	<lod< td=""></lod<>
Total Sulphate as SO4 (BRE SD1)	%	-	-	1.52	5	No Criteria	0	-	0.08	0.03	1.52	-	0.52	0.63	-	-

BURIED CONCRETE ASSESSMENT

1522

Parliament Hill, Camden
TABLE SHOWING BURIED CONCRETE ASSESSMENT



SOIL GROUP	DETERMINAND	UNITS	NO. OF TESTS	MIN	МАХ	CHARACTERISTIC VALUE	BRE CLASSIFICATION
MADE GROUND (Brownfield)	Water Soluble Sulphate as SO4	g/l	12	0.04	2.54	1.68	DS1
	рН	-	12	7.4	8.8	7.7	AC-1s
NATURAL GROUND	Total Potential Sulfate	%	5	<lod< td=""><td>1.95</td><td>1.95</td><td rowspan="2">DS3</td></lod<>	1.95	1.95	DS3
	Water Soluble Sulphate as SO4	g/l	9	0.03	2.92	2.92	
	pH	-	9	7.7	7.9	7.7	AC-2s

OTHER FACTORS CONSIDERED:

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

Natural Ground - Based on the calculated oxidisable sulphides pyrite may be present. Oxidisable sulphides were recorded above the 0.3% threshold in a single sample (maximum oxidisable sulphide 0.43%).

GENERAL NOTES:

Where there are >10 results, the Characteristic Value is based on the mean of the highest 20% of values for SO4, or the mean of the lowest 20% of values for pH. Where there are <10 samples, 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.
PHYTOTOXICITY RISK ASSESSMENT

1522

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TABLE SHOWING PHYTOTOXICITY ASSESSMENT FOR MADE GROUND

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	16.00	35.83	71.00	12	200.00	0	-
Nickel	mg/kg	7.00	18.50	30.00	12	110.00	0	-
Zinc	mg/kg	44.00	103.67	317.00	12	300.00	1	TP02 [0.20 - 0.30m bgl] at 317mg/kg

TABLE SHOWING PHYTOTOXICITY ASSESSMENT FOR NATURAL SOILS

DETERMINAND	UNITS	MINIMUM	AVERAGE	MAXIMUM	No. of TESTS	ASSESSMENT CRITERIA	No. > AC	DETAILS
Copper	mg/kg	12.00	17.75	21.00	4	200.00	0	-
Nickel	mg/kg	14.00	28.50	38.00	4	110.00	0	-
Zinc	mg/kg	54.00	63.75	70.00	4	300.00	0	

POTABLE WATER PIPELINE RISK ASSESSMENT

1522



Parliament Hill, Camden
TABLE SHOWING WATER PIPELINE ASSESSMENT

	LINUTC	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	-	
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	<lod< td=""></lod<>	
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	209.00	
GROUP 4							
Mineral Oils (C21 to C40)	mg/kg	500.00	YES	No effect	NO	877.00	
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

GROUND GAS SUMMARY

1522 Parliament Hill, Camden

TABLE SHOWING SUMMARY MONITORING DATA



MONITORING ID	MAXIMUM FLOW (I/hr)	MAXIMUM METHANE (% v/v)	MAXIMUM CO2 (% v/v)	MINIMUM 02 (% v/v)	MAXIMUM PID	NO. OF ROUNDS MONITORED
BH01	0	0.3	2.8	14.5	0.7	3
BH03	0	0.1	4.1	6.2	1	4
BH04	0.1	0	1.8	19.2	0.4	4
BH09	0	0	1.5	19.4	0.7	4
BH10	4.8	0	4.4	15	0.5	4
MAXIMUM*	4.8	0.3	4.4	6.2	1	4

* Reported value for oxygen in minimum.

TABLE SHOWING GROUND GAS ASSESSMENT

		METHANE	CO2	RECOMMENDATION					
GAS SCREENIN	G VALUE (GSV)	0.0048	0.192	RECOMMENDATION					
MODIFIED WILSON & CARD	CHARACTERISTIC SITUATION	1	1	No special pressutions required					
	COMBINED:	:	1	no special precautions required.					
NHBC - LOW RISE RESIDENTIAL	CLASSIFICATION	Green	Green	Negligible gas regime identified and gas protection measures not considered					
	COMBINED:	Gre	een	necessary.					

Classification Assessment Tool of Soil Wastes - Hazard Summary Sheet

ATKINS CatWasteSoil

Site Name	Parliament Hill, Camden
Location	
Site ID	
Job Number	1522
Date	23/06/2016
User Name	Matthew.larkin@lustreconsulting.com
Company Name	Lustre Consulting

Hole ID	Sample Depth	Hazardous Waste Y/N	HP1	HP2	HP3	HP4	HP5	HP6	HP7	HP8	HP9	HP10	HP11	HP12	HP13	HP14	HP15	HP16
BH01	0.30	N	No	No	No	No	No	No	No									
BH02	0.10	N	No	No	No	No	No	No	No									
BH02	0.50 - 0.60	N	No	No	No	No	No	No	No									
BH04	0.40 - 0.50	N	No	No	No	No	No	No	No									
BH05	0.40 - 0.50	N	No	No	No	No	No	No	No									
BH08	0.50 - 0.60	N	No	No	No	No	No	No	No									
BH09	0.90 - 1.00	N	No	No	No	No	No	No	No									
BH09	2.00 - 2.10	N	No	No	No	No	No	No	No									
TP02	0.20 - 0.30	N	No	No	No	No	No	No	No									
TP02	1.20 - 1.30	N	No	No	No	No	No	No	No									
TP06	0.80 - 0.90	N	No	No	No	No	No	No	No									
TP12	0.30 - 0.40	N	No	No	No	No	No	No	No									

Classification Assessment Tool of Soil Wastes - Hazard Summary Sheet

ATKINS CatWasteSoil

Site Name	Parliament Hill, Camden
Location	
Site ID	
Job Number	1522
Date	23/06/2016
User Name	Matthew.larkin@lustreconsulting.com
Company Name	Lustre Consulting

Hole ID	Sample Depth	Hazardous Waste Y/N	HP1	HP2	HP3	HP4	HP5	HP6	HP7	HP8	HP9	HP10	HP11	HP12	HP13	HP14	HP15	HP16
BH01	2.30	N	No	No	No	No	No	No	No									
BH01	8.00	N	No	No	No	No	No	No	No									
BH02	1.50 - 1.60	N	No	No	No	No	No	No	No									
BH02	3.20 - 3.30	N	No	No	No	No	No	No	No									
BH03	2.20 - 2.30	N	No	No	No	No	No	No	No									
BH05	3.40 - 3.50	N	No	No	No	No	No	No	No									
BH07	4.30 - 4.40	N	No	No	No	No	No	No	No									
BH09	2.00 - 2.10	N	No	No	No	No	No	No	No									
BH09	3.20 - 3.30	N	No	No	No	No	No	No	No									

APPENDIX F: NOTES ON LIMITATIONS

LUSTRE CONSULTING, ENVIRONMENTAL AND GEOTECHNICAL CONSULTANCY SERVICES

NOTES ON LIMITATIONS

General

Lustre Consulting have completed the attached report for the use of the Client detailed on the front cover and those parties with whom a warranty agreement has been executed, or with whom an assignment has been agreed.

Third parties should not use or rely upon the contents of the report unless written approval has been gained from Lustre Consulting; (due to legal requirements, a charge may be levied against such approval).

Lustre Consulting accepts no responsibility or liability for:

- a) the consequences of this documentation being used for any purpose or project other than that for which it was commissioned, and
- b) this document to any third party with whom approval for use has not been agreed.

Phase I Environmental Risk Assessments, Desk Studies and Site Audits

The work completed and utilised to provide this report comprises a study of available documentation. The opinions and results presented in this report have been arrived at by utilising the finite amount of data available at the time of writing and are relevant only to the purpose for which the report was commissioned. The data which has been reviewed should not be considered exhaustive and has been accepted in good faith as providing true and representative information pertaining to site conditions. Should additional information become available which may affect the opinions expressed in this report, Lustre Consulting reserves the right to review this information and, if warranted, to modify the opinions presented in the report accordingly.

It should be noted that the risks which are identified in this report are perceived risks based on the available information at the time of writing and that the actual risks associated can only be assessed following a physical investigation of the site.

Phase II Site Investigations

The intrusive investigation has been completed to provide information concerning the type and degree of contamination present along with ground and groundwater conditions which facilitates a reasonable risk assessment to be completed. The stated objectives of the ground investigation have been limited to assessing the proven risks which are associated with potential human targets, building materials, the environment (including adjacent land), and to surface and groundwater.

The amount of exploratory work, chemical testing and monitoring completed as part of this project has potentially been restricted by the short timescale available, and the locations of exploratory holes undertaken have potentially been restricted to areas unoccupied by buildings(s) and buried services. A more comprehensive post demolition / decommission investigation may be required if the site is to be

redeveloped. For these reasons any costs included in relation to site remediation must be considered as tentative only at this time.

The exploratory holes investigate only a small volume of the ground in relation to the size of the site and therefore, can only provide a "snap shot" or general indication of ground conditions located on the site. The fact that the site has been investigated does not preclude the existence of localised "hotspots" of contamination where concentrations may be significantly higher than those actually encountered.

The risk assessment and opinions provided in this report take into account currently available guidance values relating to acceptable contamination concentrates; no liability can be accepted for the retrospective effects of any future changes or amendments to these values.



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